

H α SOLAR FLARES

JULY 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	HEMISPHERE PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.	
					LAT.	MER. DIST.											
GRP75776	01	0023>9	0033 0058	0104	N16	E38	.638	16117	3.9	41	-N						FU
CULG	01	0023	0033	0058	N15	E36	.609	16117	3.7	35	-F	C	0033	50	.6	T	
HOLL	01	0046	0058	0110	N18	E41	.681	16117	4.1	24	-B	3 C		53		U F	
777 CULG	01	0103	0207	0240	S27	E63	.924	16112	5.8	97	1F	C	0207	150	3.9	KTF	ZX
778 CULG	01	0106	0110	0125	S41	W07	.699		30.5	19	-F	C	0110	50	.7	G	ZX
779 CULG	01	0112	0114	0130	S10	W51	.792	16100	27.2	18	-F	C	0114	70	.9		ZX
780 CULG	01	0114	0131	0155	N15	E23	.434	16108	2.8	41	-F	C	0131	120	1.4	UY	ZX
781 CULG	01	0121	0125	0134	N22	W70	.942	16093	25.8	13	-F	C	0125	60			ZX
782 CULG	01	0249	0251	0257	S15	E59	.875	16118	5.5	8	-N	C	0251	40	.8	T	ZX
783 CULG	01	0259	0315	0420	S27	E63	.924	16112	5.8	81	2N	C	0315	300	7.7	TLH	ZX
GRP75784	01	0327	0341	0353D	N03	E62	.882	16115	5.8	26	1N			190	4.0	EU	
CULG	01	0327	0341	0430	N03	E60	.865	16115	5.6	63	1N	C	0341	160	3.3	U	
TACH	01	0335E	0353	0353	N03	E65	.906	16115	6.0	18	1N	V	0335	221		E	
GRP75785	01	0401	0404 0505	0530	N16	E34	.587	16117	3.7	89	-F						FHK
CULG	01	0401	0404	0530	N17	E35	.604	16117	3.8	89	-F	C	0404	50	.7	FKH	
CULG	01	0503	0505	0530	N16	E34	.587	16117	3.8	27	-F	* C	0505	80	1.0		
786 CULG	01	0415	0417	0422	N15	W03	.217	16104	1.0	7	-N	C	0417	120	1.2		ZX
787 CULG	01	0508	0513	0538	N03	E39	.629	16111	4.1	30	-F	C	0513	70	.9		ZX
788 CULG	01	0525	0528	0533	S05	W56	.834	16100	27.0	8	-F	C	0528	10	.2		ZX
789 CULG	01	0536	0540	0555	S28	E63	.926	16112	6.0	19	-F	C	0540	60		T	ZX
GRP75790	01	0624	0625	0650D	N07	E90	1.000	16122	8.0	26	1N						ADJV
ABST	01	0624	0625	0644D	N06	E90	1.000	16122	8.0	20D	1N	P	0625	131		ADJV	
CATA	01	0640E	0640	0650D	N08	E90	1.000	16122	8.0	100	1N	2 P	0640	56			
791 ABST	01	0638	0639	0644D	N18	E90	1.000	16121	8.0	6D	? N	P	0639	87		ADV	ZX
IMP.1 NO : MANI				CATA													
GRP75792	01	0655	0657+4	0715D	S15	E58	.867	16118	5.6	20	-N						FJ
ABST	01	0655	0657	0709D	S16	E59	.877	16118	5.7	14D	1N	P	0657	174	3.8	FJ	
MANI	01	0659E	0701	0715D	S15	E58	.867	16118	5.6	16D	-F	3 C		40		F	
GRP75793	01	0741	0745+1	0757	S14	E58	.865	16118	5.7	16	-F						DJ
ABST	01	0741	0746	0755	S15	E58	.867	16118	5.7	14	1N	C	0746	87	2.1	DJ	
MANI	01	0745E	0745U	0757	S14	E58	.865	16118	5.7	12D	-F	3 C		30			
ISTA	01	0750E	0800	0800	S13	E57	.855	16118	5.6	10D	-F	V				D	
GRP75794	01	0750E		0830	N23	E90	1.000	16121	8.1	40	-F						AE
TELV	01	0744	0748	0755	N22	E90	1.000	16121	8.1	11	-N	3 C					
ISTA	01	0750E		0830	N23	E90	1.000	16121	8.1	40D	-F	V					AE
GRP75795	01	0755>9	0818 0830+0	0838	N07	E90	1.000	16122	8.1	43	-B						AJK
ISTA	01	0755	0835	0835	N10	E90	1.000	16122	8.1	40	-B	V					AEK
ABST	01	0810	0818	0825	N06	E90	1.000	16122	8.1	15	1N	C	0818	87		ADJ	
CATA	01	0820	0830	0840D	N07	E90	1.000	16122	8.1	20D	1B	2 P	0830	56			
KANZ	01	0830E	0830	0847	N07	E90	1.000	16122	8.1	17D	-N	1					
796 ABST	01	0810	0814	0835	N18	E36	.621	16117	4.0	25	1N	C	0814	174	2.2	EJ	ZX
797 ABST	01	0818	0821	0825	N18	E45	.727	16117	4.7	7	-F	C	0821	87	1.3	DJ	ZX
798 ABST	01	0827	0838	0843D	N17	W79	.980	16093	25.4	16D	? F	P	0838	87		FJ	ZX
IMP.1 NO : CATA				KANZ													
799 KANZ	01	0834	0842	0853	S14	E55	.839	16118	5.5	19	-N	2					ZX
GRP75800	01	0856+4	0902+0	0930	N19	E38	.650	16117	4.2	34	-N			100	1.3	J	
ABST	01	0856	0902	0942D	N19	E38	.650	16117	4.2	46D	-B	P	0902	131	1.6	FJ	
ATHN	01	0900	0902	0918	N15	E38	.367	16117	4.2	18	-F	1	0902	66	.6		
KANZ	01	0902E	0902D	0902D	N19	E36	.626	16117	4.1		-B	2					D

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			MIN.		COND.	TYPE	TIME UT			MEAS. AREA	CORR. AREA
					LAT.	NER. DIST.														
801 ABST	01	0921	0927	0935	S15	E58	.867	16118	5.7	14	?B	C	0927	131	2.8	EJ	ZX			
		IMP.1 NO : CATA																		
802 KHAR	01	1110E		1138D	S12	E55	.835	16118	5.6	28D	-F	P	1115	110	1.7	BO	ZX			
803 KHAR	01	1115E	1119	1140D	N10	E89	1.000	16122	8.1	25D	-N	P	1115	80		D	ZX			
804 KHAR	01	1117	1118	1125D	N16	E31	.548	16117	3.8	80	-F	V	1118			DH	ZX			
805 KHAR	01	1145E	1148	1148D	S11	E57	.851	16118	5.8	3D	1N	V	1148			D	ZX			
	01	1148	1301	NO FLARE PATROL																
806 HUAN	01	1309	1317	1321	N06	E87	.998	16122	8.1	12	-F	1 C	1317	25		D	ZX			
807 HUAN	01	1354	1355	1358	N06	E87	.998	16122	8.1	4	-N	1 C	1355	20		D	ZX			
808 HUAN	01	1411	1413	1418	N18	E87	.998	16121	8.1	7	-F	1 C	1413	20		D	ZX			
	01	1451	1454	NO FLARE PATROL																
809 HUAN	01	1527	1529	1533	N08	E85	.996	16122	8.0	6	-N	1 C	1529	25		D	ZX			
810 HUAN	01	1619	1620	1629	N19	E39	.661	16117	4.6	10	-N	2 C	1620	40	.5	E	ZX			
811 HOLL	01	1748	1749	1759	S15	E53	.823	16118	5.7	11	-B	3 C		46		F	ZX			
812 HOLL	01	1825	1830	1834	N18	E32	.571	16117	4.2	9	-B	3 C		19		F	ZX			
813 HOLL	01	1829	1850	1851	S14	E52	.811	16118	5.7	22	-B	3 C		32			ZX			
GRP75814	01	1919+0	1921+2	1933	S26	E56	.877	16112	6.0	14	-N			60	1.2					
HOLL	01	1919	1921	1935	S27	E57	.887	16112	6.1	16	-B	3 C		53			FDE			
HUAN	01	1919	1923	1931	S26	E56	.877	16112	6.0	12	-N	2 C	1923	65	1.3	E				
815 HOLL	01	2007	2012	2019	N11	E80	.984	16122	7.8	12	-N	3 C					ZX			
GRP75816	01	2026+4	2030+1	2047	S27	E55	.873	16112	6.0	21	-N									
HOLL	01	2026	2031	2054	S27	E55	.873	16112	6.0	28	-B	3 C		79			F			
PALE	01	2030	2030	2040.	S28	E55	.876	16112	6.0	10	-N	3 C		26			DE			
GRP75817	01	2101+1	2101+1	2115	N18	E29	.533	16117	4.1	14	-B			40	.5					
HOLL	01	2101	2101	2115	N18	E30	.546	16117	4.1	14	-B	3 C		42			DE			
PALE	01	2102	2102	2115	N19	E28	.527	16117	4.0	13	-B	3 C		39			DE			
818 PALE	01	2146	2146	2210	N19	E28	.527	16117	4.0	24	-N	3 C		22			ZX			
GRP75819	01	2307E	2307+1	2315	N14	W12	.280	16104	1.1	8	-B			70	.7		H			
PALE	01	2307E	2308U	2315D	N12	W12	.259	16104	1.1	8D	-B	3 C		61			DE			
MANI	01	2307E	2307U	2312	N14	W12	.280	16104	1.1	5D	-B	2 C		60						
CULG	01	2312E	2312U	2340	N16	W13	.315	16104	1.0	28D	-N	P	2312	100	1.1	H				
820 CULG	02	0200	0203	0211	S10	W70	.945	16100	26.8	11	-N	C	0203	20			ZX			
821 CULG	02	0210	0211U	0211D	N19	E24	.476	16117	3.9	10	-N	P	0211	30	.4		ZX			
822 CULG	02	0222E	0222E	0255	S25	E43	.768	16112	5.3	33D	-N	P	0222	80	1.3		ZX			
823 CULG	02	0222E	0224U	0241	N18	E34	.595	16117	4.6	19D	-N	* P	0224	40	.5		ZX			
824 CULG	02	0302	0305	0321	S14	E47	.761	16118	5.7	19	-F	C	0305	30	.5	T	ZX			
825 CULG	02	0307	0310	0326	N09	E90	1.000	16122	8.9	19	-F	C	0310	20			ZX			
GRP75826	02	0309+5	0314+3	0331	N15	W15	.327	16104	1.0	22	-N									
CULG	02	0309	0317	0340D	N16	W16	.349	16104	30.9	31D	-N	P	0317	80	.9		F			
PALE	02	0314	0314	0321	N14	W15	.317	16104	1.0	7	-N	3 C		33			DE			
	02	0328	0330	NO FLARE PATROL																
827 CULG	02	0338	0339U	0340D	N18	E34	.595	16117	4.7	20	-F	P	0339	30	.4		ZX			
828 CULG	02	0439	0441	0448	S24	W22	.565	16103	30.5	9	-F	C	0441	10	.1		ZX			
GRP75829	02	0453	0503+3	0534	N06	E78	.977	16122	8.1	41	1N			200			DJ			
CULG	02	0453	0503	0534	N06	E78	.977	16122	8.1	41	1F	C	0503	140						
ABST	02	0505E	0506	0511D	N07	E78	.977	16122	8.1	6D	2N	P	0506	262			DJ			

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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.											
GRP75830	02	0859+1	0902+0	0914	N16	W17	.362	16104	1.1	15	-B			80	.9	H	
MONT	02	0859	0902	0916	N16	W19	.387	16104	30.9	17	-N	C	0902	50		H	
ATHN	02	0900	0902	0918	N15	W18	.366	16104	1.0	18	-B	3 C		64		DE	
MANI	02	0900	0902	0910	N16	W15	.337	16104	1.3	10	-B	3 V		100			
MANI	02	0903E	0903U	0911	N16	W17	.362	16104	1.1	80	-N	3 P		100	1.1		
831 KHAR	02	1018E		1058D	N14	W20	.385	16104	30.9	400	-F	P	1018			ZX	
832 KHAR	02	1103E		1103D	N16	E16	.349	16117	3.7		-F	P	1103	100	1.0	D ZX	
	02	1216	1225	NO FLARE PATROL													
	02	1232	1321	NO FLARE PATROL													
GRP75833	02	1406+3	1410+1	1417	N14	W20	.385	16104	1.1	11	-F					D	
LVOV	02	1406	1410	1419	N13	W20	.378	16104	1.1	13	-N	C	1410	150	1.7	D	
HUAN	02	1409	1411	1415	N15	W20	.392	16104	1.1	6	-F	1 C	1411	25	.3	D	
	02	1520	1658	NO FLARE PATROL													
GRP75834	02	1857+2	1902+2	1936	S28	E42	.776	16112	5.9	39	1B			130	2.1	H	
			1912														
MCMA	02	1845E		1955	S28	E42	.776	16112	5.9	700	1B	P	1903	125	2.1	E	
HUAN	02	1857	1904	1936	S27	E42	.770	16112	5.9	39	1N	1 C	1904	125	2.0	E	
PALE	02	1859	1902	1929	S29	E43	.789	16112	6.0	30	-B	3 C		135		H F	
RAMY	02	1912	1912	19190	S29	E41	.773	16112	5.9	70	1B	3 C		235		F	
835 HOLL	02	1946	1955	2004	N14	W26	.469	16104	30.9	18	-N	3 C		34		F ZX	
GRP75836	02	2010+0	2021+2	2046	N09	E65	.905	16122	7.7	36	-N			60	1.4		
HOLL	02	2010	2023	2037	N09	E66	.912	16122	7.8	27	-B	3 C		46		F	
MCMA	02	2010E	2021	2055	N10	E65	.905	16122	7.7	450	-N	C	2021	80	1.9	E	
837 MCMA	02	2035E		2047D	N16	W26	.480	16104	30.9	120	-F	P	2042	30	.4	D ZX	
838 BIGB	02	2149	2153	2209	S10	E00	.224		2.9	20	-F	2 C	2153	100	1.0	ZX	
839 HOLL	02	2150	2153	2157	N11	E72	.950	16122	8.3	7	-B	3 C		45		ZX	
840 CULG	02	2259	2311U	2354	N12	E02	.161	16126	3.1	55	-F	C	2311	60	.6	S ZX	
841 CULG	02	2314	2443	0200	S00	E35	.575	16115	5.6	166	?N	C	2443	350	4.5	FS ZX	
		IMP.1	NO	PALE													
842 CULG	02	2339	2351	0009	S20	E29	.596	16112	5.2	30	?F	P	2351	180	2.4	ZX	
		IMP.1	NO	E16B													
843 CULG	03	0053	0102	0140	S09	W85	.997	16100	26.7	47	-N	C	0102	60		T ZX	
844 CULG	03	0058	010E	0111	N25	E56	.849	16120	7.2	13	-N	C	010E	80	1.5	ZX	
845 CULG	03	0117	0125	0145	N17	E14	.335	16117	4.1	28	-F	C	0125	90	1.0	T ZX	
846 CULG	03	0138	0141	0148	N05	E18	.310	16111	4.4	10	-F	C	0141	30	.3	ZX	
847 CULG	03	0140	0152	0203	S15	E34	.619	16118	5.6	23	-F	C	0152	120	1.6	ZX	
848 CULG	03	0254	0303	0337	N08	E64	.898	16122	7.9	43	1F	C	0303	130	2.6	ZX	
849 CULG	03	0350	0357	0435	N08	E64	.898	16122	8.0	45	1F	C	0357	120	2.4	ZX	
850 CULG	03	0400	0407	0418	N19	E13	.348	16117	4.1	18	-F	C	0407	120	1.3	T ZX	
851 CULG	03	0413	0426	0438	S17	E14	.413	16112	4.2	25	-F	C	0426	30	.4	HT ZX	
852 CULG	03	0443	0452	0524	S16	E32	.601	16118	5.6	41	-F	C	0452	130	1.7	F ZX	
853 CULG	03	0526	0533	0543	S30	E34	.724	16112	5.8	17	-N	C	0533	80	1.2	ZX	
854 CULG	03	0555	0605	0613	S17	E13	.404	16112	4.2	18	-F	C	0605	50	.6	T ZX	
855 CULG	03	0603	0617	0637D	N06	E90	1.000	16123	10.0	340	-N	C	0617	40		ZX	
856 ABST	03	0703	0705	0710	N24	E90	1.000	16123	10.0	7	?N	C	0705	87		DJ ZX	
		IMP.1	NO	HTPR													
857 HTPR	03	0940E		0955	N05	E05	.093	16111	3.8	150	-F	C	0940	30	.3	E ZX	

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	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA		CORR. AREA		
					LAT.	MER. DIST.												Mill of Disk	Sq. Deg.
858 KHAR	03	1024E	1024	1030D	N12	E58	.849	16122	7.8	6D	-F	V	1024			D	ZX		
859 KHAR	03	1031E	1032	1038D	N10	E60	.865	16122	7.9	7D	-F	V	1032			DHL	ZX		
860 KHAR	03	1058E	1100	1108D	N11	E59	.857	16122	7.9	10D	-F	V	1100			EH	ZX		
GRP75861	03	1115E	1116	1133	N13	E56	.831	16122	7.7	18	-F					L			
		1128																	
KHAR	03	1115E	1116	1130D	N15	E57	.842	16122	7.7	15D	-F	P	1116			DL			
KHAR	03	1127	1128	1133	N11	E55	.820	16122	7.6	6	-F	*	P	1128	65	1.0	DL		
GRP75862	03	1125E	1132	1145D	N19	E07	.298	16117	4.0	2D	-F						E		
HTPR	03	1125E		1130D	N19	E08	.305	16117	4.1	5D	-F	C	112E	30	.3	E			
KHAR	03	1127E	1132	1145D	N20	E07	.313	16117	4.0	18D	-F	P	1132			E			
863 KHAR	03	1137	1138	1144	N08	W14	.255	16126	2.4	7	-F	P	1138			D	ZX		
864 KHAR	03	1150		1155D	N08	W14	.255	16126	2.4	5D	-F	P	1150			D	ZX		
GRP75865	03	1220+1	1222+2	1300	N08	E57	.838	16122	7.8	40	-B			110	2.0	EK			
		1230+3																	
HTPR	03	1220	1230	1300	N08	E56	.828	16122	7.7	40	-B	C	1230	100	1.7	E			
TELV	03	1220	1222	1256	N15	E57	.842	16122	7.8	36	1N	C	1233	120	2.3	K			
RAMY	03	1221	1224	1227D	N09	E57	.838	16122	7.8	6D	-B	3	C	134		F			
KHAR	03	1223E	1233	1300D	N08	E57	.838	16122	7.8	37D	1N	P				E			
GRP75866	03	1527+3	1530+1	1538	N14	E01	.190	16117	3.7	11	-N								
HTPR	03	1527	1530	1540	N15	E01	.207	16117	3.7	13	-B	C	1530	180	1.8				
HUAN	03	1530	1531	1535	N14	E02	.193	16117	3.8	5	-F	1	C	1531	65	.6			
867 HTPR	03	1615	1618	1630	N09	W15	.276	16126	2.6	15	-F	C	1618	20	.2	E	ZX		
868 HTPR	03	1730	1736	1750	N07	E61	.873	16122	8.3	20	-F	C	1736	10	.2		ZX		
GRP75869	03	1819+4	1823	1839	N15	00	.207	16117	3.8	20	-F			50	.5				
PALE	03	1819	1823	1840	N17	E02	.243	16117	3.9	21	-N	3	C	52		DE F			
HUAN	03	1823		1837	N14	W01	.190	16117	3.7	14	-F	1	C	1824	60	.6	E		
GRP75870	03	1911	1912	1916	N15	00	.207	16117	3.8	5	-N			80	.8				
HUAN	03	1911	1912	1915	N14	W01	.190	16117	3.7	4	-N	1	C	1912	60	.6			
PALE	03	1914E	1914U	1917	N17	E02	.243	16117	4.0	3D	-N	3	C	99		DE F			
871 HUAN	03	1925		1934	N14	W02	.193	16117	3.7	9	-F	1	C	1927	30	.3	E	ZX	
GRP75872	03	1958+1	2003	2019	N04	W01	.024	16111	3.8	21	-F								
PALE	03	1958	2003	2019	N05	W01	.038	16111	3.8	21	-N	3	C	51		DE F			
HUAN	03	1959		2012D	N04	W02	.038	16111	3.7	13D	-F	1	P			E			
GRP75873	03	2042+0	2045+1	2108	N17	E02	.243	16117	4.0	26	-N						J		
VORO	03	2042	2046	2108	N17	E03	.246	16117	4.1	26	1F	C	2046	206	2.1	EJ			
PALE	03	2042	2045	2108	N17	E01	.241	16117	3.9	26	-N	3	C	81		DE F			
874 VORO	03	2146	2146	2151	N17	E02	.243	16117	4.1	5	-N	C	2146	27	.3	D	ZX		
875 VORO	03	2150	2153	2202	N14	W40	.656	16104	30.9	12	-N	C	2153	108	1.4	E	ZX		
GRP75876	03	2208+4	2210+0	2215	N14	W02	.193	16117	3.8	7	-N			90	.9	EHU			
CULG	03	2208	2210	2214	N16	W03	.229	16117	3.7	6	-B	C	2210	100	1.0	H			
PALE	03	2209	2210	2216	N14	W02	.193	16117	3.8	7	-N	3	C	79		U H			
VORO	03	2212		2215	N13	W02	.176	16117	3.8	3	-N	P	2212	90	.9	ECH			
GRP75877	03	2225+7	2231+4	2259	N07	E55	.818	16122	8.1	34	-N			30	.5	D			
CULG	03	2225	2231	2340	N07	E55	.818	16122	8.1	75	-N	*	C	2231	40	.7			
VORO	03	2229	2235	2254	N07	E56	.828	16122	8.1	25	-N	*	C	2235	27	.4	D		
PALE	03	2232	2232	2259	N07	E55	.818	16122	8.1	27	-N	*	C	21					
878 CULG	03	2228	2235	2248	N09	E35	.578	16119	6.6	20	-F	C	2235	30	.5	T	ZX		
879 CULG	03	2241	2252	2310	S30	E25	.653	16112	5.8	29	-N	C	2252	50	.7		ZX		
GRP75880	03	2255+9	2308+4	2337	N04	W02	.038	16111	3.8	42	2N			550	5.5	FGIL			
CULG	03	2255	2308	2349	N05	W04	.077	16111	3.7	54	2B	*	C	2308	558	5.7	FI		
VORO	03	2301	2312	2337	N04	W02	.038	16111	3.8	36	2F	*	C	2312	556	5.6	EGL		
PALE	03	2304	2309U	2333	N03	W02	.035	16111	3.8	29	-N	*	C	158		F			
881 CULG	03	2257	2306	2321	N16	E79	.980	16123	9.9	24	-F	*	C	2306	40			ZX	

H α SOLAR FLARES

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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.											
GRP75898	04	0939+8	0954+4	1045	N17	W43	.700	16104	1.2	66	1N		360	5.1	GJ		
			1004+1														
TELV	04	0939	1004	1100	N15	W44	.706	16104	1.1	81	1B	C	1004	300	4.3		
YUNN	04	0940	0954	1045	N17	W42	.688	16104	1.3	65	2N	C		482			
KHAR	04	0945E		0955D	N17	W44	.711	16104	1.1	10D	1F	P			E		
MONT	04	0947	0958	1041	N16	W42	.685	16104	1.3	54	1N	C	0958	250			
CATA	04	0950E	1005	1025D	N18	W43	.703	16104	1.2	35D	2N	2	P	1005	393	5.6	
ABST	04	1033E	1036	1045D	N20	W40	.675	16104	1.4	12D	1N	P	1036	174	2.5	FJG	
GRP75899	04	1028+9	1041+1	1102	N15	W07	.237	16117	3.9	34	-F			140	1.4	EJU	
TELV	04	1028	1042	1102	N15	W10	.265	16117	3.7	34	-F	C	1042	120	1.2	U	
ABST	04	1038	1041	1045D	N16	W04	.232	16117	4.1	7D	-N	P	1041	174	1.9	EJ	
900 RAMY	04	1134E	1137	1140D	S28	E79	.990	16125	10.4	6D	-B	3	V		60		ZX
	04	1145	1150	NO FLARE PATROL													
901 ZURI	04	1150E	1151	1151D	S17	E78	.983	16124	10.3	1D	-N	P	1151	50		ZX	
	04	1151	1154	NO FLARE PATROL													
	04	1300	1326	NO FLARE PATROL													
902 MCMA	04	1343	1344	1347	N17	E47	.745	16121	8.1	4	-F	C	1344	40	.6	D	ZX
903 MCMA	04	1349	1358	1420	N10	E46	.721	16122	8.0	31	-N	C	1358	25	.4	D	ZX
904 MCMA	04	1411	1412	1427	N16	W08	.260	16117	4.0	16	-N	C	1412	40	.4	E	ZX
905 MCMA	04	1412	1414	1447	N13	W23	.419	16126	2.9	35	-F	C	1414	60	.7	E	ZX
GRP75906	04	1441+1	1443+2	1506	N10	E44	.697	16122	7.9	25	-B			70	1.0	E	
RAMY	04	1441	1443	1445D	N11	E44	.698	16122	7.9	4D	-B	3	V		68		
MCMA	04	1441	1443	1505	N10	E44	.697	16122	7.9	24	-B	C	1443	60	.9	E	
HUAN	04	1442		1445D	N10	E44	.697	16122	7.9	3D	-N	2	P	1443	45	.6	E
HOLL	04	1442	1445	1506	N11	E44	.698	16122	7.9	24	-B	3	C		79		DE
ZURI	04	1443E	1443	1459D	N10	E43	.685	16122	7.8	16D	1N	P	1443	180	2.6		
907 MCMA	04	1606	1609	1622	N14	W50	.772	16104	30.9	16	-N	C	1609	50	.8	DH	ZX
GRP75908	04	1635+1	1637+2	1647	N13	W50	.770	16104	30.9	12	-F			30	.5		
MCMA	04	1635	1639	1650	N14	W50	.772	16104	30.9	15	-N	C	1639	40	.7	E	
HUAN	04	1636	1637	1643	N13	W51	.781	16104	30.9	7	-F	1	C	1637	20	.3	D
GRP75909	04	1639+3	1644	1659	N08	E43	.683	16122	7.9	2D	-F			30	.4	E	
MCMA	04	1639	1644	1659	N09	E44	.696	16122	8.0	2D	-N	C	1644	30	.4	E	
HUAN	04	1642		1644D	N08	E43	.683	16122	7.9	2D	-F	1	P	1642	30	.4	E
910 MCMA	04	1701	1715	1730	S28	E16	.570	16112	5.9	29	-N	C	1715	60	.7	E	ZX
911 MCMA	04	1712	1745	1902	N16	W13	.311	16117	3.7	11D	-N	C	1745	125	1.4	EF	ZX
912 MCMA	04	1750	1753	1756D	S29	E76	.983	16125	10.4	6D	-N	C	1753	20	.9	D	ZX
	04	1804	1811	NO FLARE PATROL													
GRP75913	04	1903+4	1920+3	2110	N11	E36	.595	16122	7.5	127	1B			370	4.6	ILY	
			1942														
MCMA	04	1903	1942	2120D	N13	E35	.587	16122	7.4	137D	2B	C	1942	500	6.3	FILY	
HUAN	04	1904		1908D	N08	E43	.683	16122	8.0	4D	-F	1	P			E	
RAMY	04	1905	1920	1922D	N11	E39	.635	16122	7.7	17D	2B	3	V		482	F	
PALE	04	1907	1923	2059	N10	E33	.551	16122	7.3	112	1B	3	C		270	FDE	
HUAN	04	1917E		1943D	N14	E33	.564	16122	7.3	26D	1N	1	P	1934	290	3.5	CE
GRP75914	04	1937+3	1942+1	1958	S28	E69	.957	16125	10.0	21	-B			50		E	
PALE	04	1937E	1943U	1955	S28	E70	.961	16125	10.1	18D	-B	3	C		35	F	
MCMA	04	1937	1942	2001	S31	E71	.968	16125	10.1	24	-B	C	1942	40	1.6	E	
HUAN	04	1937		1943D	S29	E69	.958	16125	10.0	6D	-N	1	P			E	
RAMY	04	1940	1943	1945D	S27	E69	.956	16125	10.0	5D	-B	3	V		58		
915 CULG	04	2151E	2151U	2338	N10	E30	.508	16119	7.2	107D	?N	P	2232	340	4.4	IBF	ZX
		IMP.1 NO	PALE														
916 PALE	04	2216	2217	2222	N20	E65	.910	16123	9.8	6	-N	3	C		23	U F	ZX
917 CULG	04	2232E	2232U	2234	N07	E41	.656	16122	8.0	2D	-N	C	2232	130	1.7		ZX

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY				TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg.		
					LAT.	MER. DIST.											
GRP75918	05	0649+8	0654+5	0727	S29	E11	.559	16112	6.1	38	1N				190	2.3	E
MITK	05	0649E	0656	0735D	S29	E12	.563	16112	6.2	46D	-N	C	0656				E
HTPR	05	0650	0654	0715	S27	E10	.527	16112	6.0	25	-N	C	0654	180	2.0	E	
MONT	05	0651	0656	0706D	S30	E14	.586	16112	6.3	15D	1N	C	0656	250			
ATHN	05	0657	0659	0719	S31	E03	.565	16112	5.5	22	-N	1	0659	98	1.1		
CATA	05	0700E	0700	0740D	S29	E12	.563	16112	6.2	40D	1N	2	P	0700	196	2.4	
GRP75919	05	0744+0	0745 0752	0804	N19	W15	.366	16117	4.2	20	-F						E
YUNN	05	0744	0745	0800	N20	W15	.378	16117	4.2	16	1F	C		177			
KANZ	05	0744E	0752	0804	N19	W15	.366	16117	4.2	20D	-F	2					
MONT	05	0757E	0757	0810	N19	W14	.356	16117	4.3	13D	-F	C	0757	50			E
GRP75920	05	0927+1	0931+0	1018	S14	E02	.299	16118	5.5	51	-N			80	.8	E	
KANZ	05	0927	0931	1004D	S15	E03	.318	16118	5.6	37D	-N	2					
HTPR	05	0928		1001D	S14	E02	.299	16118	5.5	33D	-N	C	0933	70	.7	E	
MONT	05	0928	0931	1018	S14	E02	.299	16118	5.5	50	-N	C	0931	100			
GRP75921	05	0929+2	0931+2	0940	S18	W14	.428	16112	4.3	11	-F			50	.6	E	
HTPR	05	0929	0933	0940	S18	W14	.428	16112	4.3	11	-F	C	0933	50	.6	E	
MONT	05	0930	0931	0941	S17	W14	.415	16112	4.3	11	-F	C	0931	50		E	
KANZ	05	0931	0931	0939	S18	W14	.428	16112	4.3	8	-F	2					
922 MCMA	05	1428	1432	1436	S29	E66	.945	16125	10.6	8	-F	C	1432	30	.8	E	ZX
GRP75923	05	1758+3	1802+1	1819	S14	W03	.301	16118	5.5	21	-B			70	.7		
MCMA	05	1758E	1803	1820	S14	W03	.301	16118	5.5	22D	-B	C	1803	70	.8	E	
PALE	05	1801	1802	1817	S14	W03	.301	16118	5.5	16	-B	3	C	65			F
GRP75924	05	1834+2	1834+4	1855	S28	E61	.916	16125	10.3	21	-N			30			
MCMA	05	1834	1835	1855	S29	E62	.924	16125	10.4	21	-N	C	1835	25	.7	D	
PALE	05	1834	1834	1840	S28	E58	.898	16125	10.1	6	-N	3	C	29			
HOLL	05	1836	1838	1857	S27	E61	.914	16125	10.4	21	-B	3	C	27			F
GRP75925	05	1952+1	1954+3	2020	S28	E60	.910	16125	10.3	28	-N			50	1.2		
MCMA	05	1952	1957	2020	S29	E60	.913	16125	10.3	28	-N	C	1957	50	1.3	E	
HOLL	05	1952	1954	2032	S28	E59	.904	16125	10.3	40	-B	3	C	52			F
BIGB	05	1953	1954	2007	S25	E60	.904	16125	10.3	14	1N	2	C	1954	140	2.9	
GRP75926	05	2025+2	2036+0	2109	N21	E52	.804	16123	9.8	44	1N			130	2.2		
HOLL	05	2025	2036	2109	N22	E52	.806	16123	9.8	44	1B	3	C	163			F
MCMA	05	2027	2036	2103D	N21	E53	.814	16123	9.8	36D	-N	C	2036	100	1.7	E	
GRP75927	05	2116+1	2116+1	2127	N16	W26	.478	16117	3.9	11	-N			20	.2	F	
PALE	05	2116	2116	2124D	N16	W26	.478	16117	3.9	8D	-N	3	C	19			F
HOLL	05	2117	2117	2127	N16	W26	.478	16117	3.9	10	-B	3	C	24			F
928 HOLL	05	2129	2131	2140	N16	W42	.685	16108	2.7	11	-B	3	C	43			ZX
GRP75929	05	2144+5	2152+2	2253	N15	W33	.567	16117	3.4	69	-N			130	1.6	FU	
HOLL	05	2144	2154	2303	N15	W33	.567	16117	3.4	79	-B	3	C	115			U F
HOLL	05	2144	2203	2303	N15	W33	.567	16117	3.4	79	-N	3	C	61			U F
BIGB	05	2149	2152	2216	N13	W33	.560	16117	3.4	27	-N	2	P	2152	150	1.8	
BIGB	05	2213	2223	2258	N16	W37	.623	16117	3.2	45	-B	2	C	2223	130	1.7	
PALE	05	2235	2235	2244	N16	W28	.505	16117	3.8	9	-N	3	C	42			F
PALE	05	2245	2245	2248	N16	W28	.505	16117	3.8	3	-N	3	C	32			F
930 HOLL	05	2221	2229	2236	S26	E55	.872	16125	10.1	15	-B	3	C	82			ZX
931 HOLL	05	2321	2323	2333	N15	W65	.906	16104	1.1	12	-N	3	C	14			ZX
GRP75932	06	0007+0	0017	0038	S16	W04	.339	16118	5.7	31	-N						F
BIGB	06	0007	0017	0045	S17	W04	.355	16118	5.7	38	-N	2	C	0017	90	.9	
HOLL	06	0007	0024	0031	S16	W04	.339	16118	5.7	24	-B	3	C	34			F
GRP75933	06	0025+0	0028+1	0037	N15	W68	.926	16104	30.9	12	-N						
HOLL	06	0025	0028	0037	N15	W68	.926	16104	30.9	12	-B	3	C	24			
BIGB	06	0025	0029	0037	N15	W68	.926	16104	30.9	12	-N	2	C	0029	60		
934 HOLL	06	0132	0134	0200D	N18	W27	.503	16117	4.0	28D	-B	2	C	96			F ZX
935 ABST	06	0454E	0454	0458D	S17	W07	.367	16118	5.7	4D	-F	P	0454	140	1.5	BEJ	ZX
936 CATA	06	0750	0825	0915	S30	E44	.806	16125	9.6	85	? B	2	C	0825	281	4.8	ZX

IMP.1 NO : HTPR

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCARTH FLARE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA			CORR AREA
					LAT.	MER. DIST.												
937 MCMA	06	1401E	1401	1406	N13	E16	.317	16122	7.8	50	-F	C	1401	50	.5	EL	ZX	
GRP75938	06	1432+2	1437+4	1459	N22	E43	.715	16123	9.8	27	-N			35	.5			
MCMA	06	1432	1437	1503	N22	E45	.736	16123	10.0	31	-N	C	1437	40	.6	E		
HOLL	06	1434	1441	1455	N22	E42	.704	16123	9.8	21	-B	3 C		30		F		
GRP75939	06	1459+1	1500+1	1509	S30	W05	.555	16112	6.2	10	-F			45	.5	E		
BIGB	06	1459	1500	1510	S31	W05	.570	16112	6.2	11	-N	2 C	1500	60	.6			
HTPR	06	1500	1501	1507	S30	W06	.557	16112	6.2	7	-F	C	1501	30	.3	E		
GRP75940	06	1604+1	1606	1621	N18	W36	.618	16117	4.0	17	-F					E		
			1614															
MCMA	06	1604	1614	1630D	N18	W36	.618	16117	4.0	26D	-F	C	1614	50	.7	E		
HOLL	06	1605	1606	1611	N18	W37	.630	16117	3.9	6	-N	3 C		20				
941 MCMA	06	1605E	1618	1643D	S15	W15	.401	16118	5.5	38D	-N	C	1618	60	.7	E	ZX	
942 MCMA	06	1642	1647	1656D	N09	E13	.243	16122	7.7	14D	-F	C	1647	20	.2	D	ZX	
943 BIGB	06	1724	1725	1728	N12	W77	.973	16104	31.0	4	-F	2 C	1725	40		A	ZX	
944 HOLL	06	1817	1818	1825	N22	E40	.682	16123	9.8	8	-N	3 C		37			ZX	
945 MCMA	06	1843	1844	1856	S18	W13	.422	16118	5.8	13	-N	C	1844	50	.6	E	ZX	
946 HOLL	06	2019	2031U	2050	N22	E41	.693	16123	9.9	31	-B	3 C		85			ZX	
947 BIGB	06	2121	2123	2131	N15	W80	.983	16104	30.9	10	-F	2 C	2123	40		A	ZX	
948 HOLL	06	2142	2143	2207	N12	E13	.267	16122	7.9	25	-N	3 C		29			ZX	
949 HOLL	06	2214	2214	2229D	S27	E42	.773	16125	10.1	15D	-N	3 C		26		F	ZX	
950 PURP	07	0250	0300	0320	N11	W07	.177	16119	6.6	30	?N	C				G	ZX	
		IMP.1	NO : CULG	PALE														
GRP75951	07	0438+6	0438	0516	N17	W54	.815	16117	3.1	38	1N					E		
			0448															
PURP	07	0438E	0438	0450	N17	W47	.743	16117	3.7	12D	1N	P						
TACH	07	0444	0448	0516	N18	W54	.817	16117	3.1	32	1B	C	0448	177	3.1	E		
MITK	07	0457	0500	0520D	N17	W54	.815	16117	3.2	23D	1N	C	0500	130	2.2	E		
GRP75952	07	0744+1	0752	0859	S30	E45	.814	16125	10.7	75	1N					EH		
			0819															
MITK	07	0744E	0752	0825	S30	E45	.814	16125	10.7	41D	1N	C	0752	170	2.8	E		
BUCA	07	0745		0811D	S28	E42	.780	16125	10.5	26D	-N	C	0800	107	1.7	E		
ISTA	07	0802E		0840D	S30	E46	.822	16125	10.8	38D	1B	V				F		
MONT	07	0816E	0819	0918	S29	E43	.793	16125	10.6	62D	1B	C	0819	300		H		
ZURI	07	0845E	0858	0930	S32	E49	.852	16125	11.0	45D	-F	P	0858	90	1.8			
953 ZURI	07	1028	1032	1038	S28	W17	.581	16112	6.2	10	-F	C	1032	100	1.3		ZX	
GRP75954	07	1122+1	1123+1	1130	N28	E55	.845	16127	11.6	8	-N			30	.6	DH		
MCMA	07	1122	1124	1130	N28	E58	.869	16127	11.8	8	-N	C	1124	25	.5	DH		
RAMY	07	1123	1123	1129	N29	E52	.824	16127	11.4	6	-B	3 C		30				
GRP75955	07	1135+1	1140+2	1150	S16	E38	.673	16124	10.3	15	-N					E		
CATA	07	1135	1140	1150D	S17	E38	.679	16124	10.3	15D	-N	2 P	1140	140	1.9			
MCMA	07	1136	1142	1150	S16	E38	.673	16124	10.3	14	-N	C	1142	50	.7	E		
GRP75956	07	1257+0	1259+1	1312	N04	W48	.742	16111	3.9	15	-B					D		
RAMY	07	1257	1300	1313	N04	W48	.742	16111	3.9	16	-B	3 C		145				
MCMA	07	1257	1259	1310	N05	W48	.742	16111	3.9	13	-B	C	1259	50	.8	D		
957 HOLL	07	1531	1532	1544	S27	E38	.740	16125	10.5	13	-N	3 C		21			ZX	
958 HOLL	07	1531	1534	1541	S14	W28	.542	16118	5.5	10	-N	* C		22			ZX	
959 HOLL	07	1942	1951	2006	S23	W41	.743	16112	4.7	24	-B	3 C		39		F	ZX	
GRP75960	07	2200+2	2205+4	2221	S16	E30	.581	16124	10.2	21	-N			80	1.0			
VORO	07	2200		2227	S15	E30	.574	16124	10.2	27	1F	P	2219	224	2.8	E		
PALE	07	2201	2205	2220	S17	E30	.588	16124	10.2	19	-B	3 C		67		DE F		
BIGB	07	2202	2209	2221	S16	E31	.592	16124	10.2	19	-B	2 C	2209	100	1.2			

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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	CORR AREA		
					LAT.	MER. DIST.												Hit of Disk
GRP75981	08	1722>9	1747 1756+3	1806	N29	E38	.696	16127	11.6	44	-N			30	.4	F		
PALE	08	1722	1756	1803	N27	E36	.664	16127	11.4	41	-N	* C		24		F		
HOLL	08	1738	1759	1810	N29	E38	.696	16127	11.6	32	-B	* C		39				
RAMY	08	1745	1747	1806	N29	E38	.696	16127	11.6	21	-N	* C		23				
GRP75982	08	1723+6	1727+2	1740	N23	E16	.420	16123	9.9	17	-N			30	.3	E		
MCMA	08	1723	1749	1749D	N23	E16	.420	16123	9.9	26D	-F	P	1725	25	.3	E		
HOLL	08	1726	1727	1737	N22	E15	.398	16123	9.9	11	-N	3 C		26				
RAMY	08	1729	1729	1740	N23	E17	.429	16123	10.0	11	-N	3 C		40				
GRP75983	08	1833+0	1835+1	1843	N28	E36	.670	16127	11.5	10	-N			20	.3	F		
PALE	08	1833	1835	1842	N27	E35	.653	16127	11.4	9	-N	3 C		18		F		
HOLL	08	1833	1836	1844	N29	E37	.686	16127	11.5	11	-B	3 C		24				
GRP75984	08	1849+1	1853+1	1910	N23	W17	.429	16120	7.5	21	-N			100	1.1	F		
BIGB	08	1849	1853	1911	N24	W18	.451	16120	7.4	22	-N	1 P	1853	130	1.4	F		
HOLL	08	1850	1854	1908	N23	W17	.429	16120	7.5	18	-N	3 C		82		F		
985	BIGB	08	1918	1921	1954	S33	W34	.752	16112	6.3	36	-B	2 C	1921	120	1.5	G	ZX
986	HOLL	08	1926	1930	1942	N23	W17	.429	16120	7.5	16	-N	3 C		26		ZX	
987	HOLL	08	1949	1953	2004	S25	W55	.870	16112	4.7	15	-N	* C		22		ZX	
GRP75988	08	2008+4	2028+2	2115	N29	E38	.696	16127	11.7	67	1B			320	4.5	GKZ		
PALE	08	2008	2030	2112	N27	E35	.653	16127	11.5	64	1B	3 C		335		DE F		
HOLL	08	2012	2030	2116	N29	E38	.696	16127	11.7	64	1B	3 C		348		ZOE		
RAMY	08	2012	2028	2101D	N29	E38	.696	16127	11.7	490	1B	3 C		214				
BIGB	08	2027	2029	2115	N31	E38	.708	16127	11.7	48	1B	2 P	2029	390	3.8	GK		
989	RAMY	08	2012	2023	2047	S24	W56	.875	16112	4.6	35	-B	3 C		38		ZX	
GRP75990	08	2151+1	2152+1	2201	N29	E33	.647	16127	11.4	10	-B			30	.4	GK		
BIGB	08	2151	2153	2200	N29	E33	.647	16127	11.4	9	-B	2 P	2153	90	1.1	GK		
PALE	08	2152E	2153U	2201D	N27	E34	.643	16127	11.5	9D	-N	3 C		32		DE		
HOLL	08	2152	2152	2208	N30	E33	.654	16127	11.4	16	-B	3 C		19				
GRP75991	08	2200+1	2209+5	2313	N09	W13	.242	16122	7.9	73	-B			110	1.1			
BIGB	08	2200	2222	2313	N09	W12	.226	16122	8.0	73	-B	2 P	2222	170	1.8			
PALE	08	2201E	2209U	2242D	N09	W13	.242	16122	7.9	41D	-N	3 C		79		FDE		
HOLL	08	2201	2214	2258	N08	W13	.236	16122	7.9	57	-B	3 C		143		F		
BIGB	08	2252	2255	2329	N11	W14	.271	16122	7.9	37	-B	2 C	2255	50	.5			
GRP75992	08	2217+5	2223+1	2229	N28	E37	.680	16127	11.7	12	-B			110	1.5	G		
CULG	08	2217	2223	2230	N28	E38	.690	16127	11.8	13	1N	C	2223	140	2.0	T		
PALE	08	2218E	2224U	2236D	N27	E33	.633	16127	11.4	18D	-B	3 C		96		DE		
HOLL	08	2220	2224	2228	N29	E37	.686	16127	11.7	8	-B	3 C		43		DE		
BIGB	08	2222	2223	2227	N29	E37	.686	16127	11.7	5	-B	2 C	2223	120	1.5	G		
993	CULG	09	0000	0008	0023	N09	W15	.272	16122	7.9	23	-F	C	0008	60	.6	ZX	
994	CULG	09	0018	0025	0112	N13	W73	.954	16117	3.5	54	-F	C	0025	30		ZX	
995	PALE	09	0033E	0035U	0100D	N27	E32	.622	16127	11.4	27D	-N	3 C		46		DE	
996	CULG	09	0033	0042	0101	N10	W35	.578	16119	6.4	28	-F	C	0042	60	.7	F	
GRP75997	09	0036+0	0038+0	0112	N22	E11	.361	16123	9.8	36	-N					J		
CULG	09	0036	0038	0112	N23	E12	.383	16123	9.9	36	-N	C	0038	70	.8	J		
BIGB	09	0036	0038	0059E	N22	E10	.354	16123	9.8	23D	-N	1 P	0038	180	1.8			
998	CULG	09	0123	0126	0134D	N10	W34	.564	16119	6.5	11D	-N	C	0126	140	1.7	ZX	
		09	0135	0143	NO FLARE PATROL													
		09	0215	0222	NO FLARE PATROL													
		09	0258	0303	NO FLARE PATROL													
999	TACH	09	0330	0333	0338D	N28	W33	.639		6.7	8	?F	V	0333	159	2.1	0	
			IMP.1	NO	MITK												ZX	
0	ABST	09	0723E	0728	0739D	N10	W37	.605	16119	6.5	16D	-F	P	0728	87	1.1	0	
GRP76001	09	0723>9	0743 0826	0833	N28	E32	.629	16127	11.7	70	-F						0	
ABST	09	0723E	0743	0835D	N29	E34	.656	16127	11.9	72D	-F	* P	0743	105	1.4	0		
KANZ	09	0822	0826	0830	N28	E31	.619	16127	11.7	8	-F	* P						

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MEMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Milli of Disk	CORR AREA Sq Deg.			
					LAT.	MER. DIST.													
24 PALE	10	0146	0148	0156	N13	W29	.501	16122	7.9	10	-N	3	C		20		F	ZX	
25 YUNN	10	0223	0224	0225	N08	W57	.837	16115	5.8	2	?N		C		113			ZX	
		IMP.1 NO : MITK PALE																	
26 CULG	10	0411	0421	0436	S29	E02	.543	16125	10.3	25	-F		C	0421	20	.2		ZX	
27 CULG	10	0420E	0422U	0432	N21	W03	.300	16123	10.0	12D	-N		P	0422	40	.4	CT	ZX	
GRP76028	10	0441>9	0446	0519D	N10	W30	.506	16122	7.9	38	-F							DJK	
			0513																
CULG	10	0441	0446	0519	N10	W29	.491	16122	8.0	38	-F		C	0446	30	.3	KT		
ABST	10	0511	0513	0607D	N11	W32	.537	16122	7.8	56D	1F		P	0513	175	2.1	DJ		
29 CULG	10	0502	0503	0516	N18	W19	.397	16121	8.8	14	-F		C	0503	20	.2		ZX	
30 ABST	10	0546	0548	0550	N23	W39	.673	16120	7.3	4	-F		C	0547	131	1.8	FJ	ZX	
GRP76031	10	0553	0617	0654	N20	W05	.291	16123	9.9	61	-N							EJ	
ABST	10	0553	0617	0702	N21	W07	.317	16123	9.7	69	-F		C	0617	87	.9	DJ		
ABST	10	0553	0617	0702	N20	W03	.283	16123	10.0	69	-F		C	0617	87	.9	DJ		
ISTA	10	0620E		0645	N20	W06	.296	16123	9.8	25D	-B		V				E		
32 ABST	10	0706	0711	0732	N10	W30	.506	16122	8.0	26	-N		P	0711	87	.9	DJ	ZX	
33 KHAR	10	0800E		0840D	N11	E48	.744	16133	13.9	40D	-F		P	0816	40	.6	FGHLT	ZX	
34 KHAR	10	0810E		0827D	S15	W01	.323	16124	10.3	17D	-F		P				E	ZX	
35 KHAR	10	0816E		0816D	N08	W34	.560	16122	7.8		-F	*	P	0816	100	1.4		ZX	
36 KHAR	10	0816E		0816D	S28	W69	.959	16112	5.2		-F		P				D	ZX	
GRP76037	10	0851	0858+4	0935	N11	E48	.744	16133	14.0	44	-F							EGJL	
ABST	10	0851	0902	0935	N12	E50	.767	16133	14.1	44	-N		C	0902	96	1.5	DJ		
KHAR	10	0852E	0858	0900D	N11	E48	.744	16133	14.0	8D	-F		V	0858			EGLT		
KHAR	10	0907E		0917D	N11	E48	.744	16133	14.0	10D	-F		P	0907	20	.3	EGLT		
38 KHAF	10	0905E		0917D	N29	E16	.491	16127	11.6	12D	-F		P	0905			E	ZX	
39 MONT	10	0949	0953	1008	N23	W07	.348	16123	9.9	19	-N		C	0953	110			ZX	
GRP76040	10	1048+2	1051+9	1106	N22	W10	.352	16123	9.7	18	-F				80	.9	E		
TELV	10	1048	1051	1105	N22	W11	.360	16123	9.6	17	-F		C	1051	120	1.2			
HTPR	10	1049	1055	1106	N21	W08	.323	16123	9.9	17	-F		C	1055	60	.7	E		
CATA	10	1050	1100	1105D	N22	W10	.352	16123	9.7	15D	-N	1	P	1100	67	.7			
41 ZURI	10	1208	1220	1232D	N20	W11	.332	16123	9.7	24D	?N		P	1220	370	4.0		ZX	
		IMP.1 NO : HTPR																	
GRP76042	10	1303+1	1306+0	1330	N22	W09	.345	16123	9.9	27	-N							E	
			1313+1																
HTPR	10	1303	1306	1324	N22	W07	.332	16123	10.0	21	-F		C	1306	80	.9	E		
ZURI	10	1304	1306	1310D	N20	W11	.332	16123	9.7	6D	-N		P	1306	150	1.7			
RAMY	10	1304	1314	1346	N25	W08	.383	16123	9.9	42	-B	3	C		112		F		
MCMA	10	1308E		1335	N23	W09	.360	16123	9.9	27D	-N		P	1310	50	.5	BE		
HOLL	10	1310	1313	1318	N22	W09	.345	16123	9.9	8	-B	3	C		38				
43 BIG8	10	1448	1451	1503	N22	W09	.345	16123	9.9	15	-N	3	C	1451	70	.7	E	ZX	
44 HOLL	10	1517	1521	1525	N23	W11	.374	16123	9.8	8	-N	3	C		25			ZX	
45 HOLL	10	1729	1741	1759	N23	W43	.716	16120	7.5	30	-N	3	C		22			ZX	
46 HOLL	10	1944	1946	1953	N26	E11	.416	16127	11.6	9	-N	3	C		42			ZX	
47 MCMA	10	1958E	2002	2008	N23	W11	.374	16123	10.0	10D	-F		C	2002	40	.4	E	ZX	
GRP76048	10	2036	2039	2054	N22	W11	.360	16123	10.0	18	-N				50	.5			
HOLL	10	2036	2039	2053	N22	W12	.368	16123	10.0	17	-B	3	C		61		F		
MCMA	10	2037E		2055	N23	W11	.374	16123	10.0	18D	-N		C	2039	50	.5	E		
GRP76049	10	2123	2129	2212	N23	W12	.382	16123	10.0	49	-B							F	
			2155																
HOLL	10	2123	2129	2157	N23	W12	.382	16123	10.0	34	-B	3	C		90		F		
CULG	10	2153E	2155	2226	N23	W13	.390	16123	9.9	33D	1F		C	2155	180	2.0			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MEMATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq Deg.
					LAT.	MER. DIST.											
GRP76050	10	2240+5	2247+3	2256	S15	W09	.355	16124	10.3	16	-F		35	.4			
CULG	10	2240	2247	2255	S15	H10	.363	16124	10.2	15	-F	C	2247	50	.5	T	
HOLL	10	2245	2250	2257	S16	H09	.370	16124	10.3	12	-N	3 C		21			
GRP76051	10	2308+0	2310+3	2328	N23	H13	.390	16123	10.0	20	-N		180	2.0	F		
BIGB	10	2308	2313	2318	N23	H13	.390	16123	10.0	10	-N	3 C	2313	180	1.9		
HOLL	10	2308	2310	2328	N22	H15	.395	16123	9.8	20	-9	3 C		58		F	
CULG	10	2316E	2316U	2340	N23	H13	.390	16123	10.0	240	1N	P	2316	250	2.7	CT	
52 CULG	10	2316E	2321	2351	S35	E05	.999	16137	17.3	350	? N	P	2321	100		CG ZX	
		IMP. 1 NO	HOLL	BIGB													
53 CULG	11	0023	0028	0037	N05	H71	.944	16115	5.7	14	-F	C	0028	30		ZX	
GRP76054	11	0122+9	0127	0215	N22	H15	.394	16123	9.9	53	-N					H	
			0140+1														
CULG	11	0122	0151	0216	N22	H13	.375	16123	10.1	54	-N	C	0151	80	.9		
HOLL	11	0127	0140	01500	N22	H15	.394	16123	9.9	230	-B	2 C		79		F	
HOLL	11	0127	0127	01500	N22	H15	.394	16123	9.9	230	-F	2 C		28		F	
PURP	11	0130	0141	0200	N20	H15	.370	16123	9.9	30	1N	C					
VORO	11	0141E		0215	N23	H15	.406	16123	9.9	340	-N	C	0142	179	2.0	EH	
GRP76055	11	0142+3	0148+0	0203	N27	E07	.407	16127	11.6	21	-F					F	
CULG	11	0142	0148	0203	N27	E08	.412	16127	11.7	21	-F	C	0148	120	1.3		
HOLL	11	0145	0148	01500	N27	E06	.403	16127	11.5	50	-N	2 C		54		F	
56 CULG	11	0325	0353U	0413	S21	H52	.836		7.2	48	-F	C	0353	20	.4	G ZX	
57 CULG	11	0357	0417	0502U	N24	E15	.419	16127	12.3	650	-F	C	0417	70	.8	FL ZX	
58 ABST	11	0536	0540	05430	N10	H44	.695	16122	7.9	70	-F	P	0540	87	1.2	0 ZX	
GRP76059	11	0628>9	0717	08450	S26	E90	1.000	16137	18.0	137	1N					AFJK	
			0830														
ABST	11	0628	0717	08170	S25	E90	1.000	16137	18.0	1090	1N	P	0717	87		AFJK	
CATA	11	0810	0830	08450	S27	E90	1.000	16137	18.1	350	1N	2 P	0830	73			
60 ZURI	11	0846	0848	0852	N10	E35	.577	16133	14.0	6	-N	C	0848	80	1.0	ZX	
61 ZURI	11	0904	0904	0906	N10	E35	.577	16133	14.0	2	-N	C	0904	80	1.0	ZX	
GRP76062	11	1028+2	1029+3	1036	N21	H21	.448	16123	9.9	8	-N					E	
MONT	11	1028	1029	1035	N22	H21	.458	16123	9.9	7	-N	C	1029	80		E	
KANZ	11	1028	1032	10320	N21	H19	.425	16123	10.0	40	-N	1					
ZURI	11	1030	1030	1036	N20	H21	.439	16123	9.9	6	1N	C	1030	310	3.5		
63 ZURI	11	1046	1048	1050	N12	E29	.497	16133	13.6	4	-F	C	1048	80	1.0	ZX	
	11	1150	1153		NO FLARE PATROL												
	11	1156	1204		NO FLARE PATROL												
64 RAMY	11	1405	1425	1433	S27	E88	1.000	16137	18.2	28	-N	3 C				ZX	
65 RAMY	11	1436	1438	1508	N11	H23	.405	16123	9.9	32	-N	3 C		23		ZX	
66 KANZ	11	1449E	1452	1516	S28	E78	.989	16137	17.5	270	-N	1				ZX	
GRP76067	11	1516+0	1518+0	1530	N06	E09	.160	16130	12.3	14	-F					EG	
BIGB	11	1516	1518	1530	N06	E10	.177	16130	12.4	14	-N	2 C	1518	60	.7	G	
KANZ	11	1516	1518	1529	N06	E09	.160	16130	12.3	13	-F	2				E6	
68 KANZ	11	1539	1545	1554	S28	H13	.563	16125	10.7	15	-F	2				ZX	
69 HOLL	11	1831	1833	1855	N29	H01	.424	16127	11.7	24	-N	3 C		75		F ZX	
GRP76070	11	2005+9	2014+1	2024	N21	H58	.855	16120	7.5	19	-N			25	.5		
BIGB	11	2005	2015	2026	N19	H60	.870	16120	7.3	21	-N	1 C	2015	30	.6		
HOLL	11	2014	2014	2021	N23	H57	.850	16120	7.6	7	-N	3 C		19			
71 BIGB	11	2015	201E	2019	N18	H30	.538	16123	9.6	4	-F	2 C	2016	210	2.5	ZX	
72 BIGB	11	2146	2148	2152	S01	H86	.998	16115	5.5	6	-N	3 C	2148	60		A ZX	

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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.	HER. DIST										
GRP76073	11	2306+9	2314+3	2341	N12	W31	.526	16123	9.6	35	-N					FJ
CULG	11	2306U	2314	2316D	N13	W31	.529	16123	9.6	10D	-N	P	2314	120	1.4	J
BIGB	11	2309	2314	2348	N12	W31	.526	16123	9.6	39	-B	3 C	2314	130	1.6	
HOLL	11	2311	2317	2341	N12	W31	.526	16123	9.6	30	-B	2 C		98		F
PALE	11	2315	2315	2320	N12	W31	.526	16123	9.6	5	-N	3 C		33		F
74 HOLL	11	2354	2359	0008	N18	W47	.744	16121	8.5	14	-N	2 C		34		ZX
75 HOLL	11	2358	2400	0012	N07	W77	.973	16115	6.2	14	-B	2 C				F ZX
GRP76076	12	0021+1	0022+2	0046	N20	W28	.524	16123	9.9	25	-B					FZ
HOLL	12	0021	0023	0106	N20	W28	.524	16123	9.9	45	-B	2 C		104		F
BIGB	12	0022	0024	0059E	N20	W28	.524	16123	9.9	37D	18	3 C	0024	200	2.3	
PALE	12	0022	0022	0028	N21	W33	.592	16123	9.5	6	-B	3 C		43		F
HANI	12	0030E	0032	0035	N20	W26	.499	16123	10.1	50	-B	3 V		100		Z
PALE	12	0031	0033	0035	N21	W33	.592	16123	9.5	4	-N	3 C		39		F
PURP	12	0034	0035	0045	N20	W27	.512	16123	10.0	11	1N	P				
77 HOLL	12	0022	0023	0120	N12	W31	.525	16123	9.7	58	-B	2 C		66		F ZX
78 HOLL	12	0119	0120	0130	N07	W78	.977	16115	6.2	11	-N	2 C				ZX
79 PALE	12	0142	0144	0151	N05	W77	.973	16115	6.3	9	-N	3 C				F ZX
80 PALE	12	0155	0156	0208	N06	W78	.977	16115	6.2	13	-N	3 C				F ZX
81 PURP	12	0256	0258	0304	N04	W81	.987	16115	6.0	8	? F	C				ZX
IMP.1 NO : PALE																
82 PALE	12	0330	0331	0339	N05	W80	.984	16115	6.1	9	-N	3 C		25		ZX
83 PALE	12	0406	0407	0412	S26	E78	.988	16137	18.0	6	-N	3 C				ZX
84 YUNN	12	0544	0546	0555	N09	W82	.989	16115	6.1	11	? N	C		113		ZX
IMP.1 NO : TACH																
85 ISTA	12	0710		0720	N07	W78	.977	16115	6.4	10	-N	V				D ZX
86 ISTA	12	0720		0722	N16	W31	.541	16123	10.0	2	-N	V				D ZX
87 BIGB	12	1445	1448	1454	N06	W87	.998	16115	6.1	9	-N	2 C	1448	30		A ZX
GRP76088	12	1612+1	1618+0	1635	S26	E68	.952	16137	17.8	23	-F			40		E
BIGB	12	1612	1618	1635	S25	E69	.956	16137	17.9	23	-F	2 C	1618	50		
MCMA	12	1613	1618	1629D	S28	E67	.950	16137	17.7	160	-N	C	1618	30	.9	E
89 MCMA	12	1636		1639D	N23	W38	.660	16123	9.8	30	-F	C	1639	30	.4	E ZX
90 MCMA	12	1745	1751	1750	S28	E65	.941	16137	17.6	13	-F	C	1751	30	.9	E ZX
91 MCMA	12	1752	1803	1837D	N23	W40	.683	16123	9.7	45D	-F	C	1803	30	.4	D ZX
92 BIGB	12	2106	2109	2120	N09	E14	.255	16133	13.9	14	-N	2 C	2109	180	1.9	ZX
GRP76093	13	0110+3	0116+2	0137	S26	E61	.915	16137	17.6	27	1N					FU
CULG	13	0110	0125	0137	S28	E63	.931	16137	17.8	27	1F	C	0125	160		
HOLL	13	0113	0116	0136D	S25	E58	.894	16137	17.4	23D	-B	3 C		83		U F
HANI	13	0117E	0118	0122	S25	E60	.907	16137	17.6	50	-N	3 V		80	1.3	
PALE	13	0118E	0118U	0140	S27	E65	.939	16137	17.9	22D	18	3 C		147		F
94 CULG	13	0130	0137	0149	N22	W41	.689	16123	10.0	19	-F	C	0137	30	.4	ZX
GRP76095	13	0136+9	0142	0154D	N12	E74	.959		18.6	18	-F					FS
CULG	13	0136	0142	0230	N12	E75	.964		18.7	54	-N	C	0142	100		S
PALE	13	0151	0151	0154	N13	E74	.959		18.6	3	-F	3 C				F
GRP76096	13	0315+8	0331+3	0412	N12	E14	.275	16133	14.2	57	1N					FLSU
CULG	13	0315	0334	0550	N12	E13	.260	16133	14.1	155	1N	C	0334	440	4.5	SF
PALE	13	0322	0331	0412	N12	E14	.275	16133	14.2	50	-N	3 C		151		U F
TACH	13	0322		0330	N11	E11	.223	16133	14.0	8	1N	V	0322	442	4.6	FL
YUNN	13	0323	0325	0325D	N12	E14	.275	16133	14.2	20	1N	C		193		
PURP	13	0344	0355	0410	N11	E14	.267	16133	14.2	26	1N	P				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	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.										
97 CULG	13	0358	0405	0425	S28	E39	.759	16136	16.1	27	-F	C	0405	10	.2	ZX
98 CULG	13	0513 IMP.1 NO : TACH	0530	0618 CATA	S33	E44	.827	16136	16.5	65	?N	C	0530	140	2.5	S ZX
99 MCMA	13	1327	1331	1354	S31	E55	.891	16137	17.7	27	-F	C	1331	20	.5	E ZX
100 MCMA	13	1427E	1430	1452	N20	W51	.789	16123	9.8	250	-F	C	1430	60	1.0	E ZX
GRP76101	13	1654	1714 1731	1745	N20	W51	.789	16123	9.9	51	-N			25	.4	E
HOLL	13	1654	1731	1745	N20	W52	.799	16123	9.8	51	-B	3 C		24		
MCMA	13	1713E		17190	N20	W51	.789	16123	9.9	60	-F	P	1713	25	.4	E
HOLL	13	1714	1714	1721	N19	W51	.787	16123	9.9	7	-B	3 C		20		
102 MCMA	13	1749E		17540	N20	W51	.789	16123	9.9	50	-F	P	1750	60	1.0	E ZX
103 HUAN	13	1921	1925	1928	N08	W84	.994	16122	7.5	7	-F	1 C	1925	15		D ZX
GRP76104	14	0313+3	0317+1	0327	S28	E44	.801	16137	17.4	14	-N			80	1.3	
CULG	14	0313	0318	0335D	S29	E44	.806	16137	17.4	220	-N	P	0318	60	1.0	
PALE	14	0316	0317	0326	S28	E45	.809	16137	17.5	10	-N	2 C		84		FDE
YUNN	14	0316	0318	0327	S28	E44	.801	16137	17.4	11	1N	C		193		
105 ABST	14	0535E IMP.1 NO : TACH	0541	0632	N24	W90	1.000	16120	7.5	570	?N	P	0541	87		ADGJ ZX
106 ABST	14	0556	0558	0603	N21	W55	.828	16123	10.1	7	-N	C	0558	87	1.7	DJ ZX
107 ABST	14	0619	0627	0631	N31	W35	.675	16127	11.6	12	-F	C	0627	87	1.2	DJ ZX
108 ABST	14	0626	0628	0635	S27	E48	.828	16137	17.9	9	-F	C	0628	87	1.5	DJ ZX
109 ABST	14	0626	0631	0635	N21	W59	.863	16123	9.8	9	-N	C	0631	87	1.6	DJ ZX
110 ISTA	14	0725		0743	N17	W56	.832	16123	10.1	18	-N	V				D ZX
111 ABST	14	0834	0837	0848	N27	E66	.919	16139	19.3	14	-N	C	0837	87		DJ ZX
112 ABST	14	0841 IMP.1 NO : CATA	0844 MONT	0855	N19	W56	.834	16123	10.2	14	?N	C	0844	174	3.4	FJ ZX
113 ABST	14	0933 IMP.1 NO : CATA	0937 MONT	0950	N19	W60	.869	16123	9.9	17	?N	C	0937	174	3.4	FJ ZX
114 ABST	14	0943	0944	0950	S27	E44	.796	16137	17.7	7	-N	C	0944	87	1.4	DV ZX
115 HOLL	14	1349	1350	1356	S26	E40	.756	16137	17.6	7	-B	3 C		17		F ZX
GRP76116	14	1526	1531 1542	1643	N19	W63	.892	16123	9.9	77	-B					U
HOLL	14	1526	1531	1643	N19	W63	.892	16123	9.9	77	-N	3 C		50		U
HOLL	14	1526	1542	1643	N19	W63	.892	16123	9.9	77	-B	3 C		39		U
117 RAHY	14	1635	1637	1700	N27	E57	.856	16139	19.0	25	-N	3 C		15		ZX
GRP76118	14	1748+9	1754 1807	1809	N17	W64	.898	16123	9.9	21	-N					F
RAHY	14	1748	1754	1805	N18	W65	.906	16123	9.9	17	-N	3 C		19		
PALE	14	1759	1807	1813	N17	W64	.898	16123	9.9	14	-N	3 C		66		F
119 PALE	14	1833	1844	1846	N18	W65	.906	16123	9.9	13	-N	3 C		34		F H ZX
GRP76120	14	1841+1	1843+0	1851	N28	E58	.865	16139	19.1	10	-N					
BIGB	14	1841	1843	1852	N28	E59	.873	16139	19.2	11	1N	3 C	1843	210	4.2	
PALE	14	1842	1843	1850	N29	E58	.867	16139	19.1	8	-N	3 C		74		FDE
GRP76121	14	1846+4	1851+0 1930	1936	N19	W65	.906	16123	9.9	50	-N			25		F
RAHY	14	1846	1851	1940	N18	W65	.906	16123	9.9	54	-N	3 C		19		
PALE	14	1850	1851	1856	N21	W65	.908	16123	9.9	6	-N	3 C		28		F
PALE	14	1928	1930	1931	N18	W66	.913	16123	9.9	3	-N	3 C		21		F
122 MCMA	14	1923E		1924D	N27	E58	.864	16139	19.2	10	-N	P	1923	30	.6	E ZX

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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.												
GRP76123	14	2113+2	2117+1	2124	N29	E56	.852	16139	19.1	11	-B		30	.6				
RAMY	14	2113	2118	2124	N29	E56	.852	16139	19.1	11	-B	3	C	30				
PALE	14	2115	2117	2123	N29	E57	.860	16139	19.2	8	-B	3	C	34	FDE			
GRP76124	14	2206+1	2210+4	2238	N18	W69	.932	16123	9.7	32	1N			160	U			
CULG	14	2153E	2211	2245	N18	W70	.938	16123	9.7	520	1N		C	2211	240	F		
HOLL	14	2206	2210	2238	N18	W71	.943	16123	9.6	32	1B	3	C	119	UDE			
PALE	14	2206	2214	2223	N18	W67	.919	16123	9.9	17	1N	3	C	209	FDE			
RAMY	14	2207	2208U	2208D	N17	W69	.932	16123	9.7	10	-N	2	C	17				
125 CULG	14	2242	2250U	2322	N27	E55	.840	16139	19.1	40	-F		C	2250	40	.8	T	ZX
GRP76126	14	2312	2320+5	0034	S30	E37	.757	16137	17.7	82	1F						EHL	
CULG	14	2312	2320	0034	S33	E37	.778	16137	17.7	82	1N		C	2320	260	4.0	LH	
VORO	14	2320E		2338D	S31	E35	.749	16137	17.6	180	1F		P	2327	188	2.8	E	
MANI	14	2320E	2325U	2335D	S29	E37	.750	16137	17.7	150	-N	2	C	100				
MANI	14	2320E	2325U	2335D	S29	E37	.750	16137	17.7	150	-F	2	V	100	1.4			
127 CULG	14	2336	2345	0012	N20	W68	.927	16123	9.9	36	?F		C	2345	100			ZX
		IMP.1	NO	01G8		HOLL												
128 CULG	14	2338	2343U	2354	N30	E55	.847	16139	19.1	16	-F		C	2343	20	.4		ZX
GRP76129	15	0058	0122+3	0154	N19	W70	.938	16123	9.8	56	-N							K
CULG	15	0058	0125	0154	N20	W70	.938	16123	9.8	56	1F		P	0125	170			KT
PALE	15	0122E	0122U	0130D	N18	W70	.938	16123	9.8	80	-N	3	C	44				DE
130 CULG	15	0119	0123	0132	N26	W44	.735	16127	11.8	13	-F		C	0123	50	.8	T	ZX
131 CULG	15	0248	0302U	0337	N11	W14	.265	16133	14.1	49	-N		C	0302	100	1.1	S	ZX
132 ABST	15	0528	0531	0554	S28	E34	.719	16137	17.8	26	-F		P	0531	131	1.9	EJ	ZX
GRP76133	15	0609E	0609	0623	N25	W46	.752	16127	11.8	14	-N							DJ
ABST	15	0609E	0609	0625	N25	W46	.752	16127	11.8	160	-N		P	0609	87	1.4		DJ
CATA	15	0610E	0610	0620	N25	W46	.752	16127	11.8	100	-N	2	P	0610	28	.4		
134 ABST	15	0609E	0612	0630	N17	W80	.982	16123	9.3	210	?N		P	0612	131			DJ
		IMP.1	NO	01CATA														ZX
GRP76135	15	0644+6	0649	0715	N18	W73	.954	16123	9.8	31	1N			160				FJ
			0655+4															
ABST	15	0644	0649	0652D	N17	W76	.968	16123	9.6	80	1N		P	0649	174			FJ
CATA	15	0650	0655	0710	N17	W73	.954	16123	9.8	20	1N	2	C	0655	168			
WEND	15	0652E		0720D	N19	W72	.949	16123	9.9	280	1N		C	0654	150			F
ATHN	15	0654E	0659	0708	N20	W70	.938	16123	10.0	140	-N	1		0659	49	1.3		
KANZ	15	0718E		0750	N19	W75	.963	16123	9.7	320	-F	2						
GRP76136	15	0745+1	0747	0817	S29	E32	.711	16137	17.7	32	-F							DJK
			0754															
ABST	15	0745	0747	0755D	S29	E35	.735	16137	17.9	100	-N		P	0747	87	1.3		DJK
KANZ	15	0746	0754	0817	S30	E29	.696	16137	17.5	31	-F	2						
137 ABST	15	0832	0833	0836	N26	W37	.663	16127	12.6	4	-N		C	0833	87	1.2	DV	ZX
138 ABST	15	0848	0849	0915	N37	W36	.724		12.7	27	-N		C	0849	87	1.3	DGV	ZX
GRP76139	15	0848+9	0849	0908	N31	W23	.564		13.6	20	-F							GV
			0857+3															
ABST	15	0848	0849	0853	N33	W23	.585		13.6	5	-N		C	0849	87	1.2		DGV
CATA	15	0850	0900	0940	N30	W23	.554		13.6	50	-F	1	C	0900	56	.6		
KANZ	15	0857	0857	0908	N31	W21	.548		13.8	11	-F	2						E
GRP76140	15	1001+3	1006	1014	N27	E50	.796	16139	19.2	13	-N							J
ABST	15	1001	1006	1014	N27	E50	.796	16139	19.2	13	-N		C	1006	87	1.5		DJ
KANZ	15	1004		1008D	N27	E51	.805	16139	19.2	40	-N	2						E
141 BIGB	15	1701E	1710	1715	N17	W79	.979	16123	9.8	140	-N	3	C	1710	30			K
142 BIGB	15	1722	1723	1735	N13	W85	.995	16123	9.3	13	-N	3	C	1723	30			A
GRP76143	15	1736+8	1738	1755	N17	W79	.979	16123	9.8	19	-B							DK
			1745+1															
BIGB	15	1736	1738	1741	N16	W79	.979	16123	9.8	5	-N	3	C	1738	40			K
MCHA	15	1737E	1745	1855	N18	W83	.990	16123	9.5	780	-B		C	1745				D
RAMY	15	1744	1745	1753	N17	W74	.959	16123	10.2	9	-B	3	C					
BIGB	15	1744	1746	1755	N16	W79	.979	16123	9.8	11	-N	3	C	1746	40			K

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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.												
144	9IGB	15	1830	1832	1847	N18	W80	.982	16123	9.8	17	-N	3	C	1832	30		ZX
145	3IG5	15	1947	1948	1953	N27	E49	.787	16139	19.5	6	-F	3	C	1948	30	.5	ZX
146	MCMA	15	1955E		2003D	N18	W83	.990	16123	9.6	80	-F		C	1956			D ZX
GRP76147		15	2023	2031	2042	N19	W80	.982	16123	9.8	19	-N						D
	MCMA	15	2023	2031	2045	N21	W85	.994	16123	9.5	22	-N		C	2031			D
	PAMY	15	2035E	2035U	2038	N18	W76	.968	16123	10.2	30	-N	2	C		22		
GRP76148		15	2200+0	2201+0	2204	S28	E18	.597	16137	17.3	4	-N				60	.7	D
	CULG	15	2200	2201	2204	S29	E18	.609	16137	17.3	4	-N		C	2201	60	.6	
	VORO	15	2200	2201	2204	S28	E19	.604	16137	17.3	4	-N		C	2201	63	.7	D
GRP76149		15	2205+3	2210	2212	N20	W81	.985	16123	9.8	7	-F						DJ
	CULG	15	2205	2209U	2209C	N21	W83	.990	16123	9.7	40	-F		P	2209	10		
	VORO	15	2208	2210	2212	N20	W80	.982	16123	9.9	4	-F		C	2210	36		DJ
GRP76150		15	2243	2251	2318	N17	W85	.994	16123	9.6	35	1N				90		DMK
	CULG	15	2243	2251	2334	N17	W85	.994	16123	9.6	51	1N		C	2251	70		K
	VORO	15	2249E		2301	N17	W85	.994	16123	9.6	120	1F		C	2259	116		CH
	VORO	15	2304E		2318	N17	W85	.994	16123	9.6	140	-N		P	2304	27		CCH
151	CULG	15	2305	2308	2320	N27	E48	.778	16139	19.6	15	-F		C	2308	30	.5	HT ZX
GRP76152		15	2316	2322+5	0005	S28	E35	.728	16144	18.6	49	-9						UZ
	HOLL	15	2316	2327	0005	S28	E35	.728	16144	18.6	49	19	3	C		199		Z U
	PALE	15	2317E	2322U	2330D	S29	E36	.743	16144	18.7	130	-N	3	C		71		FJE
153	CULG	15	2356	2357	0006	H24	W49	.778	16127	12.3	10	-F		C	2357	10	.2	ZX
GRP76154		16	0000+2	0003+0	0005	S28	E17	.592	16137	17.3	5	-F				35	.4	DH
	CULG	16	0000	0003	0005	S29	E17	.604	16137	17.3	5	-N		C	0003	20	.3	
	VORO	16	0002	0003	0005	S28	E18	.598	16137	17.4	3	-F		C	0003	54	.6	DH
GRP76155		16	0038+1	0040+1	0050	N18	W85	.994	16123	9.7	12	1N				130		EH
	CULG	16	0038	0041	0114	N18	W85	.994	16123	9.7	36	1B		C	0041	130		H
	VORO	16	0039	0041	0047	N18	W85	.994	16123	9.7	8	1N		C	0041	134		EH
	MANI	16	0040E	0040U	0050C	N16	W89	.999	16123	9.4	100	-N	3	V				
156	CULG	16	0042	0048	0114	N22	W02	.304		15.9	32	-F		C	0048	60	.6	GH ZX
157	CULG	16	0348E	0354	0451	N12	W28	.480	16133	14.1	630	-N		C	0354	140	1.6	CSU ZX
GRP76158		16	0525+2	0536+7	0552	N19	W84	.998	16123	9.6	27	1B				180		AEJ
	ABST	16	0525	0536	0551	N20	W90	1.000	16123	9.5	26	1N		C	0536	175		AEJ
	CULG	16	0527	0540	0552	N18	W87	.997	16123	9.7	25	1B		C	0540	80		
	ABST	16	0536	0543	0549	N22	W88	.998	16123	9.6	13	1B		C	0543	175		ACJ
GRP76159		16	0705+9	0727+4	0733	N18	W88	.998	16123	9.7	28	1N						ADJ
	ABST	16	0705	0727	0748	N18	W88	.998	16123	9.7	43	2N		C	0727	349		ADJ
	YUNN	16	0729	0731	0733	N19	W84	.992	16123	10.0	4	1B		C		129		
	MONT	16	0730E	0730	0732	N18	W90	1.000	16123	9.6	20	-F		C	0730	50		
GRP76160		16	0809+6	0814+1	0829	N19	W85	.994	16123	10.0	20	1N						ADJ
	ABST	16	0809	0814	0828	N20	W80	.982	16123	10.3	19	1N		C	0814	175		ADJ
	CATA	16	0815	0815	0830	N19	W90	1.000	16123	9.6	15	1N	2	C	0815	67		
161	ABST	16	0914	0915	0917	N30	E31	.628	16139	18.7	3	-F		C	0915	87	1.1	DJV ZX
162	ZURI	16	1024	1026	1050	N17	E48	.751	16147	20.0	26	-N		C	1026	40	.6	ZX
GRP76163		16	1350+0	1351+1	1355	N28	E28	.582	16139	18.7	5	-F						E
	ZURI	16	1350E	1352	1354	N28	E28	.582	16139	18.7	40	-N		P	1352	90	1.2	
	MCMA	16	1350	1351	1356	N28	E28	.582	16139	18.7	6	-F		C	1351	25	.3	E
164	ZURI	16	1434	1438	1440	N09	W42	.668	16133	13.5	6	-F		C	1438	50	.7	ZX
165	HUAN	16	1917	1918	1919	N28	E27	.572	16139	18.8	2	-F	1	C	1918	15	.2	C ZX
GRP76166		16	2045		2055	S30	E01	.565	16136	16.9	10	-F						D
	HUAN	16	2045		2052	S30	E03	.567	16136	17.1	7	-F	1	P				E
	MCMA	16	2049E		2058D	S30	E00	.565	16136	16.9	90	-F		P	2055	60	.7	
167	VORO	16	2132	2133	2137	N12	W45	.709	16133	13.5	5	-F		C	2133	18	.2	D ZX

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	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														
GRP76158	16	2137+0	2138+2	2146	N27	E34	.636	16139	19.5	9	-N			60	.8	DH				
BIGB	16	2137	2140	2146	N27	E35	.647	16139	19.5	9	-N	3	C	2140	50	.6				
VORO	16	2137	2138	2145	N28	E33	.633	16139	19.4	8	-N		C	2138	72	.9	DH			
169	VORO	17	0237	0238	0240	N25	E31	.590	16139	19.4	3	-F		C	0238	54	.7	D	ZX	
		17	0252	0304	NO FLARE PATROL															
170	CULG	17	0314E	0316	0336U	N21	E1E	.385		18.3	220	-N		P	0316	90	1.0	CGL	ZX	
171	ASST	17	0509	0510	0512	N11	W49	.754	16133	13.5	3	-F		C	0510	87	1.3	DV	ZX	
172	ASST	17	0615	0625	0636	N12	W64	.896		12.5	21	-F		C	0625	87		DJ	ZX	
GRP76173	17	0629+6	0634+6	0643	N10	E90	1.000	16153	24.0	14	-N							ADJ		
ASST	17	0629	0634	06390	N10	E90	1.000	16153	24.0	100	1N		P	0634	140			ADJ		
ISTA	17	0632E		0640	N12	E90	1.000	16153	24.0	80	-B		V					A		
CATA	17	0635	0640	0645	N09	E90	1.000	16153	24.0	10	-F	1	C	0640	28					
GRP76174	17	0652	0658	0706	N14	W47	.734	16133	13.8	14	-F							DJ		
ASST	17	0652	0658	0709	N16	W48	.749	16133	13.7	17	-N		C	0658	87	1.3		OJ		
ISTA	17	0655E		0702	N12	W46	.720	16133	13.8	70	-F		V					D		
GRP76175	17	0720E		0745	N10	W50	.764	16133	13.6	25	-N							D		
ISTA	17	0720E		0740	N09	W50	.764	16133	13.6	200	-N		V					D		
ISTA	17	0735		0745	N11	W50	.765	16133	13.6	10	-N		V					D		
176	RAMY	17	1126	1127	1152	S25	W54	.867	16150	13.4	26	-N	3	C		18			ZX	
		17	1837	1839	NO FLARE PATROL															
177	HUAN	17	1903		1916D	N11	W58	.846	16133	13.4	130	-F	1	P	1911	20	.3	D	ZX	
GRP76178	17	1913+0	1917	1945	S08	E42	.691	16148	21.0	32	-F				45	.6		E		
PALE	17	1913	1917	1945	S10	E43	.710	16148	21.0	32	-N	1	C		30					
HUAN	17	1913		1916	S08	E41	.679	16148	20.9	3	-F	1	P	1915	55	.7		E		
MCMA	17	1930E		19470	S08	E42	.691	16148	21.0	170	-F		C	1930	40	.6		E		
		17	2246	2249	NO FLARE PATROL															
		17	2253	2301	NO FLARE PATROL															
		17	2324	2329	NO FLARE PATROL															
179	PURP	18	0001E	0001	00010	S29	W07	.563	16137	17.5		?N		P					ZX	
			IMP.1	NO	: HOLL															
GRP76180	18	0145+2	0148	0240	S28	W12	.568	16137	17.2	55	-N								FS	
			0206																	
CULG	18	0145E	0206	02450	S28	W17	.595	16137	16.8	600	-N		P	0206	130	1.6		CSF		
PURP	18	0147	0148	0234	S29	W07	.563	16137	17.5	47	1N		P							
181	CULG	18	0230	0231	0239	N14	W58	.847	16133	13.8	9	-F		C	0231	20	.4		ZX	
182	ASST	18	0515	0516	0524	N32	E54	.842	16156	22.3	9	-F		C	0516	52	1.0	DV	ZX	
183	HTPR	18	0542	0545	0550	S28	W07	.549	16137	17.7	8	-F		C	0545	30	.3	E	ZX	
184	CULG	18	0623E		06230	N08	E85	.995	16153	24.6		?F		P	0623	80			ZX	
			IMP.1	NO	: ABST															
					HTPR	KIEV	CATA													
GRP76185	18	0721+0	0723+0	0726	S20	W42	.744	16154	15.2	5	-F								D	
PURP	18	0721	0723	0725	S20	W44	.763	16154	15.0	4	1F		P							
HTPR	18	0721	0723	0726	S18	W42	.733	16154	15.2	5	-F		C	0723	10	.1				
ISTA	18	0721		0728	S21	W40	.729	16154	15.3	7	-N		V						D	
GRP76186	18	0737+5	0743+2	0802	S07	E35	.599	16148	20.9	25	-N								J	
HTPR	18	0737	0743	0800	S08	E33	.577	16148	20.8	23	-F		C	0743	70	.8		E		
ASST	18	0739	0744	0803	S07	E35	.599	16148	20.9	24	-N		C	0744	140	1.8		OJ		
ZURI	18	0739	0743	0819	S07	E34	.586	16148	20.9	40	-N		C	0743	70	.9				
MONT	18	0740	0744	0805	S06	F36	.608	16148	21.0	25	-N		C	0744	100					
CATA	18	0740	0745	08000	S06	E35	.572	16148	20.9	200	1N	2	P	0745	168	2.1				
ISTA	18	0742		0758	S07	E37	.625	16148	21.1	16	1N		V					EF		
ATHN	18	0742	0744	0801	S09	E50	.784	16148	22.1	19	-N	1		0744	49	.8				
187	ISTA	18	0810		0814	S03	E46	.726	16148	21.8	4	-F		V					E	ZX
188	ASST	18	0828	0828	0832	S30	W07	.577	16137	17.8	4	-F		P	0828	87	1.1	D	ZX	

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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 Mil. of Disk	CORR. AREA Sq. Deg.	
					LAT.	MER. DIST.											
189 ZURI	18	0831	0841	0851	S22	W68	.949	16150	13.3	20	-F	C	0841	40		ZX	
190 ZURI	18	0855	0859	09010	S28	W09	.555	16137	17.7	60	-F	P	0859	70	.9	ZX	
191 AGST	18	0907	0908	0913	S27	W09	.541	16137	17.7	6	-F	C	0908	87	1.1	DV ZX	
GRP76192	18	1011+7	1013+7	1022	S29	W08	.566	16137	17.8	11	-F					E	
HTPR	18	1011	1013	1022	S28	W10	.559	16137	17.7	11	-F	C	1013	20	.2	E	
MONT	18	1018	1020	1021	S29	W08	.566	16137	17.8	3	-F	C	1020	60		E	
KANZ	18	1018	1018	1022	S29	W08	.566	16137	17.8	4	-F	1					
193 KANZ	18	1203	1203	1218	N29	E48	.783	16156	22.1	15	-F	2				ZX	
194 HTPR	18	1239	1240	1244	N27	E15	.448	16139	19.7	5	-F	C	1240	10	.1	ZX	
195 ZURI	18	1443	1449	14510	N28	W27	.570	16160	16.6	80	-F	P	1449	50	.6	ZX	
GRP76196	18	1717+2	1719+1	1740	N28	W28	.580	16160	16.6	23	-F			35	.4	EG	
EIGB	18	1717	1720	1739	N27	W28	.572	16160	16.6	22	-F	3	C	1720	40	.5	G
KANZ	18	1719	1719	17340	N28	W28	.580	16160	16.6	150	-F	2				G	
HTPR	18	1720E		1740	N28	W28	.580	16160	16.6	200	-F	C	1721	30	.3	E	
GRP76197	18	1815+0	1816+0	1825	N21	W04	.290		18.5	10	-N			30	.3	DG	
MCMA	18	1815	1816	18180	N22	W04	.306		18.5	30	-N	C	1816	30	.3	D	
EIGB	18	1815	1816	1825	N21	W05	.294		18.4	10	-N	3	C	1816	30	.3	G
198 EIGB	18	1902	1906	1927	S14	W90	1.000	16157	12.0	25	-N	3	P	1906	60		ZX
199 VORO	18	2247	2252	2308	N12	W64	.896	16133	14.1	21	-B	C	2252	45	.5	E ZX	
200 CULG	19	0135	0139	0157	S32	W19	.655	16137	17.6	22	-F	C	0139	30	.4	ZX	
GRP76201	19	0226+2	0230+0	0235	S29	W20	.626	16137	17.6	9	-F			40	.5	E	
CULG	19	0226	0230	0235	S28	W21	.622	16137	17.5	9	-F	C	0230	30	.4	E	
VORO	19	0228	0230	0235	S30	W19	.632	16137	17.7	7	-N	C	0230	45	.5	E	
202 VORO	19	0241	0243	0251	S19	W53	.841	16154	15.1	10	-N	C	0243	63	1.1	D ZX	
GRP76203	19	0710E	0720+3	0736	S02	E35	.582	16148	21.9	26	-N			25	.3	E	
ISTA	19	0710E	0723	0736	S02	E37	.610	16148	22.1	260	-B	V				E	
KANZ	19	0711E	0720	0738	S03	E34	.571	16148	21.8	270	-N	2					
MANI	19	0723E	0723U	07350	S04	E35	.588	16148	21.9	120	-N	3	V	30			
HTPR	19	0724E		0734	S02	E36	.596	16148	22.0	100	-F	C	0724	20	.2		
GPP76204	19	0810+2	0811+1	0816	S27	W23	.625	16137	17.6	6	-N					E	
HTPR	19	0810	0811	0815	S27	W23	.625	16137	17.6	5	-F	C	0811	20	.2	E	
ISTA	19	0810		0816	S28	W23	.636	16137	17.6	6	-B	V				E	
KANZ	19	0812	0812	0816	S27	W25	.641	16137	17.5	4	-N	1					
205 KANZ	19	0840	0847	0903	S04	E33	.561	16148	21.8	23	-F	2				ZX	
206 MONT	19	0841	0846	0849	N28	W49	.788	16132	15.7	8	-N	C	0846	110		ZX	
GRP76207	19	0910+0	0912+3	0917	S32	W20	.660	16137	17.9	7	-F			45	.6	E	
CATA	19	0910E	0915	09200	S32	W21	.666	16137	17.8	100	-F	1	P	0915	56	.7	E
HTPR	19	0910	0912	0914	S32	W20	.660	16137	17.9	4	-F	C	0912	30	.3	E	
GRP76208	19	0918+0	0921	0940	S03	E34	.571	16148	21.9	22	-F					E	
			0930														
HTPR	19	0918	0930	0942	S02	E35	.582	16148	22.0	24	-F	C	0930	20	.2	E	
KANZ	19	0918	0921	0937	S04	E33	.561	16148	21.9	19	-N	2					
GRP76209	19	0940+1	0941+4	0948	S26	W25	.631	16137	17.5	8	-F			50	.6		
HTPR	19	0940	0945	0949	S27	W24	.633	16137	17.6	9	-F	C	0945	20	.2		
MONT	19	0940	0942	0947	S26	W25	.631	16137	17.5	7	-F	C	0942	50			
KANZ	19	0941	0945	0949	S26	W25	.631	16137	17.5	8	-F	1					
ZURI	19	0941E	0941	0947	S27	W25	.641	16137	17.5	60	-N	P	0941	80	1.1		
210 ZURI	19	1009	1009	1013	S03	E33	.557	16148	21.9	4	-F	C	1009	70	.9	ZX	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	GCMATH FLARE REGION			CMP. DAY	COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR AREA Sq. Deg
					LAT.	MER. DIST.											
GRP76211	19	1054+1	1055+4	1107	S03	E33	.557	16148	21.9	13	-B					HJR	
TEL V	19	1054	1056	1112	S07	E33	.573	16148	21.9	18	-B						
KANZ	19	1055	1055	1107	S03	E33	.557	16148	21.9	12	-3	3	C	105E	80	.9	H
CATA	19	1055	105E	1110	S02	F33	.545	16148	21.9	15	13	2	C	1055	196	2.4	
HTRK	19	1055		1058D	S03	E33	.557	16148	21.9	30	-B		C	1056	120	1.4	E
ZURI	19	1055	1055	1103	S03	E33	.557	16148	21.9	8	-B		C	105E	80	1.0	
MONT	19	1055	1056	1106	S03	E34	.571	16148	22.0	11	16		C	1056	250		H
ATHN	19	1056E	1056U	1100D	S03	E32	.543	16148	21.9	40	-B	4	C		143		FOE
ABST	19	1057E	1058	1104	S03	E34	.571	16148	22.0	70	-N		P	1058	131	1.6	SCJ
212 ABST	19	1103	1115	1130	N14	W26	.45E	16161	17.5	27	-F		P	1115	87	1.0	D ZX
213 ABST	19	1112E	1113	1117	N29	E01	.412	16139	19.5	50	-F		P	1113	87	1.0	D ZX
214 KANZ	19	1225	1225	1237	S29	W21	.633	16137	17.9	12	-F	1					ZX
215 ZURI	19	1239	1239	1243	N09	E56	.826	16153	23.7	4	-F		C	1239	50	.9	ZX
GRP76216	19	1331+3	1333+2	1347	S02	E17	.313	16148	20.8	16	-N				60	.6	D
LVOV	19	1331	1334	1341	S03	E18	.335	16148	20.9	10	-F		C	1334	150	1.6	C
MCMA	19	1332	1335	1348	S02	E17	.313	16148	20.8	16	-N		C	1335	40	.4	D
ZURI	19	1333	1333	1345D	S02	E17	.313	16148	20.8	120	-N		P	1333	60	.7	
KANZ	19	1334	1334	1353	S02	E17	.313	16148	20.8	19	-B	2					
	19	1503	1514	NO FLARE PATROL													
217 MCMA	19	1540E	1541	1548	S03	E29	.500	16148	21.8	80	-N		C	1541	100	1.2	E ZX
218 MCMA	19	1556	1558	1601D	S03	E29	.500	16148	21.8	50	-B		C	1558	30	.4	EH ZX
GRP76219	19	1703+1	1704+4	1714	S03	E28	.485	16148	21.8	11	-N				90	1.0	EH
ZISS	19	1703	1704	1715	S01	E29	.493	16148	21.9	12	-N	3	C	1704	30	.4	E
HUAN	19	1704	1706	1714	S03	E28	.485	16148	21.8	10	-N	2	C	1706	80	.9	
MCMA	19	1704E		1705D	S03	E29	.500	16148	21.9	10	-N		P	1704	100	1.2	EH
PALE	19	1705E	170E	1713	S03	E27	.470	16148	21.7	80	-B	3	C		96		F
GRP76220	19	1808+0	1809+3	1819	S03	E29	.500	16148	21.9	11	-N				40	.5	EH
HUAN	19	1808	1812	1820	S03	E29	.500	16148	21.9	12	-N	1	C	1812	35	.4	
PALE	19	1808	1809	1818	S02	E29	.496	16148	21.9	10	-B	3	C		38		DE H
MCMA	19	1819E		1815D	S03	E28	.485	16148	21.9		-N		P	1815	40	.5	E
221 HUAN	19	1918	1921	1922	N12	E58	.846	16153	24.2	4	-F	1	C	1921	20	.3	D ZX
GRP76222	19	1922+1	1930	1933	S03	E27	.470	16148	21.8	11	-N				45	.5	H
HUAN	19	1922		1930D	S03	E27	.470	16148	21.8	80	-N	1	P	1924	35	.4	
PALE	19	1923	1930	1933	S03	E27	.470	16148	21.8	10	-B	3	C		59		F
MCMA	19	1926E		1930D	S03	E27	.470	16148	21.8	40	-N		P	1930	30	.3	EH
223 HUAN	19	1946		1954D	N28	W42	.722	16160	16.7	80	-N	1	P	1948	20	.2	D ZX
	19	2010	2012	NO FLARE PATROL													
	19	2015	2027	NO FLARE PATROL													
	19	2030	2048	NO FLARE PATROL													
	19	2057	2113	NO FLARE PATROL													
224 PALE	19	2129	2129	2143D	N14	W27	.472	16161	17.9	140	-N	3	C		22		ZX
	19	2130	2149	NO FLARE PATROL													
225 CULG	19	2204	2207	2216	S03	E25	.440	16148	21.8	12	-N		C	2207	140	1.6	H ZX
	19	2226	2230	NO FLARE PATROL													
226 PALE	19	2248E	2256U	2313D	S04	E18	.342	16148	21.3	250	-N	3	C		38		DE H ZX
227 PJPJ	20	0106E	010E	0150	S20	W03	.422	16155	19.8	440	?N		P				ZX
		IMP.1	NO	PALE													
GRP76228	20	0143	0148	0221	S05	E23	.422	16148	21.8	38	-B						HK
CULG	20	0143	0148	0217	S03	E24	.426	16148	21.9	34	-N		C	0148	120	1.3	KH
PJPJ	20	0151F	0151	0225	S07	E22	.421	16148	21.7	340	1E		P				H
229 CULG	20	0224	0226	0230	S30	W32	.724	16137	17.7	6	-F		C	0226	30	.5	ZX
230 CULG	20	0328	0334U	0436	S29	W45	.818	16136	16.8	68	?N		P	0334	350	5.4	SVF ZX
		IMP.2	NO	PALE													

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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.												
231 CULG	20	0352E	0352E	0436	S28	E35	.732		22.8	440	-F	P	0352	40	.6	GL	ZX	
232 CULG	20	0352	0355	0434	N12	W28	.479	16161	18.1	42	-F	C	0355	40	.6	G	ZX	
233 CULG	20	0407E	0409U	0410D	S03	E24	.426	16148	22.0	30	-F	C	0409	40	.4	C	ZX	
GRP76234	20	0455+4	0459+1	0510	N34	W15	.535	16139	19.1	15	-N			110	1.3	DhV		
CULG	20	0455	0459	0516	N34	W14	.530	16139	19.2	21	-N	C	0459	140	1.6	H		
ABST	20	0459	0500	0503	N34	W16	.541	16139	19.0	4	-N	C	0500	87	1.0	DV		
235 ABST	20	0459	0500	0515	N13	W33	.553	16161	17.7	16	-F	C	0500	87	1.0	DV	ZX	
236 CULG	20	0512E	0513	0521D	S21	W36	.691	16137	17.5	9D	-N	P	0513	120	1.9	C	ZX	
237 ABST	20	0521	0523	0535	N11	W31	.528	16161	17.9	14	-F	C	0523	87	1.0	D	ZX	
GRP76238	20	0521+3	0528	0559	S20	00	.419	16155	20.2	38	-F					F		
CULG	20	0521	0544	0551	S20	E00	.419	16155	20.2	30	-F	* C	0544	70	.8			
ABST	20	0524	0528	0606	S20	E01	.419	16155	20.3	42	-N	* C	0528	131	1.5	F		
239 ABST	20	0527	0528	0546	N29	W44	.745	16160	16.9	19	-N	C	0528	87	1.3	DJK	ZX	
GRP76240	20	0537+5	0537	0553	S04	E22	.401	16148	21.9	16	-N					DH		
CULG	20	0537E	0537	0553	S03	E23	.411	16148	22.0	16D	-N	C	0537	110	1.2	H		
ABST	20	0540	0544	0550	S04	E22	.401	16148	21.9	10	-N	C	0544	87	1.0	D		
PURP	20	0542	0543	0553	S07	E20	.394	16148	21.7	11	1N	C						
241 CULG	20	0613	0616	0618D	S03	E20	.366	16148	21.8	5D	-F	C	0616	20	.2		ZX	
242 ABST	20	0725	0727	0741	N27	W15	.445	16139	19.2	16	-N	C	0727	87	1.0	D	ZX	
243 ABST	20	0749	0806	0822	N14	W35	.583	16161	17.7	33	-N	C	0806	87	1.1	DK	ZX	
GRP76244	20	0834+7	0848+6	0931D	N28	W48	.778	16160	16.8	57	-N					EGJO		
KHAR	20	0834E	0848	1005D	N26	W49	.781	16160	16.7	91D	1N	P	0856	200	3.3	EGO		
ABST	20	0841	0854	0930	N31	W47	.780	16160	16.8	49	-N	C	0854	87	1.4	D		
ABST	20	0920	0927	0931	N28	W48	.778	16160	16.8	11	-N	C	0927	114	1.8	DJ		
GRP76245	20	0922+5	0925+2	0935	N12	E47	.731	16153	23.9	13	-N			70	1.0	E		
TELV	20	0922	0927	0937	N12	E47	.738	16153	23.9	15	-N	C	0927	80	1.2			
CATA	20	0925E	0925	0935	N11	E44	.694	16153	23.7	10D	-N	2 P	0925	56	.8			
KHAR	20	0927	0927	0935	N13	E47	.732	16153	23.9	8	-F	P	0927			E		
GRP76246	20	0930+7	0935+6	0952	S03	E20	.366	16148	21.9	22	-N			130	1.4	EHJ		
TELV	20	0930	0938	0951	S05	E20	.379	16148	21.9	21	-N	C	0938	50	.5			
ABST	20	0934	0941	0947	S03	E19	.350	16148	21.8	13	-N	P	0941	122	1.3	EJ		
LOCA	20	0935E	0935	1005	S03	E20	.366	16148	21.9	30D	1N	V	0935	234	2.6	H		
KHAR	20	0937	0938	0952	S01	E20	.355	16148	21.9	15	-N	P	0938	150	1.9	E		
GRP76247	20	1052+3	1056+4	1104	N07	E44	.692	16153	23.8	12	-N			70	1.0			
TELV	20	1052	1056	1103	N04	E44	.693	16153	23.8	11	-N	C	1056	80	1.1			
CATA	20	1055	1100	1105	N11	E44	.694	16153	23.8	10	-N	2 C	1100	56	.8			
	20	1150	1200	NO FLARE PATROL														
248 RAMY	20	1250E	1305U	1313D	N13	W40	.647	16161	17.5	23D	-N	2 C		81			ZX	
249 RAMY	20	1305E	1311U	1313D	N27	W49	.784	16160	16.9	8D	-N	2 C		113			ZX	
GRP76250	20	1321E	1343	1451D	N28	W50	.796	16160	16.8	9D	-N					E		
ZURI	20	1321E	1343	1451D	N29	W50	.800	16160	16.8	90D	1N	P	1343	190	3.2			
HUAN	20	1336E		1406D	N28	W50	.796	16160	16.8	30D	-F	1 P	1340	55	.9	E		
251 ZURI	20	1359	1403	1415	N14	W39	.636	16161	17.7	16	-N	C	1403	120	1.6		ZX	
GRP76252	20	1405+0	1409	1415	S03	E16	.305	16148	21.8	10	-N			60	.6	E		
ZURI	20	1405	1409	1415	S03	E16	.305	16148	21.8	10	-N	C	1409	90	1.8			
HUAN	20	1405		1406D	S04	E16	.313	16148	21.8	10D	-N	1 P	1405	40	.4	E		
	20	1458	1521	NO FLARE PATROL														
	20	1533	1554	NO FLARE PATROL														
253 HUAN	20	1559		1612	N09	E52	.785	16153	24.6	13	-F	1 C	1607	35	.5	E	ZX	

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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			COND	TYPE	TIME UT	MEAS. AREA	CORR AREA			
					LAT.	MER DIST												Mir. of Disk	Sq Deg
254 PALE	20	1645	1650	1705	N27	W52	.811	16160	16.8	20	-N	3	C		67		F	ZX	
255 PALE	20	1658	1658	1703	N13	W40	.647	16161	17.7	5	-N	3	C		24		F	ZX	
GRP76256	20	1715	1716	17250	N14	W39	.636	16161	17.8	10	-N								
PALE	20	1715	1716	1725	N14	W38	.623	16161	17.9	10	-N	3	C		43		F		
MCMA	20	1716E		1759D	N15	W41	.664	16161	17.6	430	-N		P	1716	125	1.7	E		
GRP76257	20	1826	1827	1836	N29	W53	.825	16160	16.8	10	-N				35	.6			
PALE	20	1826	1827	1836	N28	W53	.823	16160	16.8	10	-3	3	C		34		F		
MCMA	20	1827E		1835	N30	W53	.828	16160	16.8	80	-N		P	1827	35	.7	E		
GRP76258	20	1931	1940	1955	N14	W40	.649	16161	17.8	24	-N								
PALE	20	1931	1940	1954	N14	W39	.636	16161	17.9	23	-N	3	C		34		F		
MCMA	20	1949E		1955D	N15	W42	.676	16161	17.7	60	-F		C	1949	40	.6	E		
GRP76259	20	1931	1947	2004	N28	W53	.823	16160	16.8	33	1B						E		
PALE	20	1931	1947	2004	N26	W53	.818	16160	16.8	33	1B	3	C		135		FDE		
PALE	20	1931	1947	1948	N28	W54	.831	16160	16.8	17	1B	3	C		135		F		
MCMA	20	1949E		1955D	N30	W53	.828	16160	16.9	63	-B		C	1949	30	.6	E		
	20	2026	2039	NO FLARE PATROL															
260 MCMA	20	2031E		2031D	N15	W44	.700	16161	17.6		-F		P	2031	30	.4	G	ZX	
	20	2052	2157	NO FLARE PATROL															
	20	2253	2302	NO FLARE PATROL															
	20	2341	0005	NO FLARE PATROL															
	21	0106	0115	NO FLARE PATROL															
	21	0130	0200	NO FLARE PATROL															
261 YUNN	21	0130	0130	0130D	N28	W58	.862	16160	16.7		1N		C		161			ZX	
	21	0215	0217	NO FLARE PATROL															
262 PALE	21	0228E	0228U	0228D	N14	W43	.686	16161	17.9		-3	2	C		78		F	ZX	
263 YUNN	21	0240	0240	0255	N16	W44	.702	16161	17.8	15	?N		C		193			ZX	
	IMP.1 NO : PALE																		
GRP76264	21	0335	0338	0352	N15	W47	.735	16161	17.6	17	1N				210	3.1	DJ		
YUNN	21	0335	0338	0350	N16	W48	.747	16161	17.6	15	1B		C		225				
TACH	21	0336E		0354	N15	W46	.723	16161	17.7	180	1F		V	0336	212	3.1	CDJ		
265 YUNN	21	0428	0432	0442	N16	W45	.713	16161	17.8	14	1B		C		345			ZX	
266 HTPR	21	0602	0606	0614	N28	W27	.567	16139	19.2	12	-F		C	0606	20	.2	E	ZX	
GRP76267	21	0643+2	0655	0705	N15	W48	.746	16161	17.7	22	-N						E		
HTPR	21	0643	0655	0659	N15	W52	.789	16161	17.4	16	-F		C	0655	30	.5	E		
ISTA	21	0643		0705	N14	W48	.745	16161	17.7	22	-N		V				E		
BUCA	21	0645		0730	N15	W48	.746	16161	17.7	45	-N		C	0648	85	1.3			
GRP76268	21	0735+9	0751	0757	S19	W14	.463	16155	20.3	22	-F						E		
ISTA	21	0735		0755	S19	W12	.448	16155	20.4	20	-F		V				E		
HTPR	21	0745	0751	0757	S20	W19	.517	16155	19.9	12	-F		C	0751	20	.2	E		
KANZ	21	0749E		0757	S19	W14	.463	16155	20.3	83	-F	2					B		
269 ABST	21	0919E	0927	0944D	N27	W64	.904	16160	16.6	250	?N		P	0927	131		FJ	ZX	
	IMP.1 NO : HTPR CATA																		
270 ABST	21	0950E	0952	1001D	N27	W63	.897	16160	16.7	110	?N		P	0952	105		FJ	ZX	
	IMP.1 NO : HTPR ZURI																		
GRP76271	21	1020+1	1021+4	1027	N29	W62	.893	16160	16.8	7	-N				50	1.2			
CATA	21	1020	1025	1030	N29	W64	.906	16160	16.6	10	-B	*	C	1025	45	1.0			
HTPR	21	1020	1022	1026	N29	W60	.879	16160	16.9	6	-F	*	C	1022	20	.4			
ZURI	21	1021	1021	1027C	N32	W62	.897	16160	16.8	60	-F	*	P	1021	70	1.7			
GRP76272	21	1020+7	1022	1038	N29	E05	.416	16156	21.8	18	-F								
			1030																
HTPR	21	1020	1022	1038	N29	E04	.414	16156	21.7	18	-F		C	1022	20	.2	E		
KANZ	21	1027	1030	1033D	N29	E07	.423	16156	22.0	60	-N	2					D		
GRP76273	21	1031+2	1035	1039	N16	W47	.736	16161	17.9	8	-N								
HTPR	21	1031	1035	1039	N15	W47	.735	16161	17.9	8	-N		C	1035	30	.4			
KANZ	21	1033		1033D	N17	W47	.738	16161	17.9		-N	2							

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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.											
GRP76323	23	0350E	0350 0357	0401	N29	W82	.926	16160	17.0	11	-N						D
MANI TACH	23	0350E	0350U 0357	0400 0402	N28 N30	W83 W81	.989 .984	16160	16.9 17.1	100 80	-N 1F	3 V	V	0357	50 133		D
324 CULG	23	0400	0403	0417	N10	E02	.093	16153	23.3	17	-N	C	0403	70	.7		ZX
325 CULG	23	0432	0436U	0503	S28	W87	1.000	16137	16.7	31	-F	C	0436	40			ZX
GRP76326	23	0457E	0647 0743	0800D	N28	W90	.999	16160	16.5	183	2N						AHJKO
ABST KHAR ISTA	23	0457E	0647 0743	0948 0800D 0757D	N29 N28 N28	W90 W88 W90	.999 .997 .999	16160	16.5 16.7 16.6	291D 450 120	2N 1N -N	P P V	0647 0738	183			AFJK EHKOT A
327 ABST	23	0504E	0508	0518	N16	W80	.982	16161	17.2	140	?F	P	0508	131			FJ ZX
IMP.1 NO : CULG				MITK TACH													
328 ABST	23	0522	0524	0531D	N15	W80	.982	16161	17.2	90	?F	P	0524	122			EJ ZX
IMP.1 NO : CULG				MITK TACH													
329 CULG	23	0546	0547	0551	S25	W87	1.000	16137	16.7	5	-F	C	0547	10			ZX
330 ABST	23	0546	0548	0554D	N17	W79	.978	16161	17.3	80	?N	P	0548	131			EJ ZX
IMP.1 NO : CULG				MITK TACH													
331 ABST	23	0550	0551	0554	N32	W12	.488	16156	22.3	4	-N	C	0551	87	1.0		DJV ZX
332 ABST	23	0559	0604	0700	N15	W80	.982	16161	17.2	61	?N	C	0604	131			EJ ZX
IMP.1 NO : CULG				MITK													
333 ABST	23	0633	0637	0641	N13	W63	.888	16165	18.5	8	-F	C	0637	87			FJ ZX
334 ABST	23	0637	0644	0648	N33	W18	.539	16156	21.9	11	-F	C	0644	122	1.5		DJ ZX
335 ABST	23	0709	0710	0711D	N14	W64	.896	16165	18.5	20	-F	P	0710	87			DJV ZX
336 KHAR	23	0715E		0745D	N11	W76	.967	16161	17.6	300	-N	P					EOT ZX
337 ISTA	23	0745E		0755	S15	E01	.343		23.4	100	-N	V					E ZX
GRP76338	23	0750+9	0802+4	0810	N13	W76	.967	16161	17.6	20	-N						EJ
KHAR ZURI ISTA ABST	23	0750E	0802	0810D 0808 0810 0824	N11 N14 N14 N13	W76 W77 W74 W80	.967 .971 .960 .982	16161	17.6 17.6 17.8 17.3	200 8 80 190	-N -N -N 1N	* * * * V C V P	0805 0802	40			ET D EJ
GRP76339	23	0754	0812+2	0827	N32	W19	.534	16156	21.9	33	-N			140	1.7		EHJL
ZURI KHAR ABST MONT	23	0754	0814	0846 0810D 0827 0822	N33 N32 N32 N33	W18 W20 W20 W18	.539 .542 .542 .539	16156	22.0 21.8 21.8 22.0	52 80 21 10	-N -F -N -F	C V C C	0814 0808 0812 0814	160	2.0		EHLT FJ E
GRP76340	23	0815+3	0821+7	0837	N30	W85	.993	16160	17.0	22	-N			50			AD
YUNN ZURI MONT ISTA ATHN	23	0815	0821	0840 0834 0831 0838 0828U 0838	N32 N30 N30 N28 N29	W84 W84 W86 W90 W84	.991 .991 .995 .999 .991	16160	17.0 17.0 16.9 16.6 17.1	25 16 13 12 110	-N 1N -F -N -B	C C C V 3 C		79 60 50			A
GRP76341	23	0852+0	0854+0	0904	N32	W14	.500	16156	22.3	12	-F			80	.9		DJ
ABST ZURI	23	0852	0854	0900 0908	N33 N32	W14 W14	.513 .500	16156	22.3 22.3	8 16	-N -F	C P	0854 0854	87 80	1.0 1.0		CJ
342 ZURI	23	0906E	0906	0908	N14	W77	.971	16161	17.6	20	-N	P	0906	60			ZX
343 KHAR	23	0907E		0940D	N29	W90	.999	16160	16.6	330	-N	P					HT ZX
344 KHAR	23	0913E		0923D	N13	W65	.903	16165	18.5	100	-F	P					D ZX
GRP76345	23	0934	0937+0	1000	N15	E63	.888	16167	28.1	26	-N			90	2.0		D
TELV KHAR	23	0934	0937	1000 0955D	N14 N16	E64 E62	.897 .881	16167	28.2 28.0	26 200	-B 1F	* * C P	0937 0938	60 120	1.4		D

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR-TANCE	OBS		MEASUREMENTS			REMARKS			
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA	CORR AREA				
					LAT.	MER. DIST.												Mill. of Disk	Sq. Deg.	
GRP76346	23	0934+1	0948+2	1002	N15	W79	.978	16161	17.5	28	1N							DJ		
KHAR	23	0934E		1007D	N15	W79	.978	16161	17.5	33D	1N	P	0934					T		
ABST	23	0935	0948	1002D	N15	W80	.982	16161	17.4	27D	2N	P	0948	175				DJ		
MONT	23	0947	0950	0954	N15	W76	.967	16161	17.7	7	-F	C	0950	50				D		
GRP76347	23	0954+4	1000+4	1026	N32	W18	.527	16156	22.1	32	-N				140	1.7		EHJ		
A3ST	23	0954	1000	1002D	N33	W19	.546	16156	22.0	8D	-N	P	1000	175	2.0			EJ		
MONT	23	0955	1002	1024	N31	W18	.515	16156	22.1	29	-N	C	1002	100				E		
KHAR	23	0958	1004	1027D	N32	W18	.527	16156	22.1	29D	-F	V	1004					EHT		
GRP76348	23	1050+0	1054+1	1114	N13	W65	.903	16165	18.6	24	-N				70	1.7		D		
			1110																	
MONT	23	1050	1054	1102	N14	W66	.910	16165	18.5	12	-F	C	1054	50				D		
KHAR	23	1050E	1055	1120D	N13	W65	.903	16165	18.6	30D	1N	P	1053	100						
ZURI	23	1106	1110	1114	N13	W65	.903	16165	18.6	8	-N	C	1110	90	2.1					
349	ATHN	23	1053	1054	1100D	N29	W59	.871	16139	19.0	70	-N	1	1054	33	.5			ZX	
350	KHAR	23	1057E		1103D	N29	W88	.997	16160	16.9	6D	-F	V						DHT ZX	
GRP76351	23	1114	1114	1124D	N32	W18	.527	16156	22.1	10	-N								E	
ZURI	23	1114	1114	1124D	N33	W19	.546	16156	22.0	10D	-N	P	1114	50	.6					
KHAR	23	1115E		1120D	N32	W18	.527	16156	22.1	5D	-F	V	1115						ET	
		23	1124	1130	NO FLARE PATROL															
		23	1155	1210	NO FLARE PATROL															
		23	1231	1303	NO FLARE PATROL															
		23	1329	1336	NO FLARE PATROL															
352	ZURI	23	1411E	1413	1443	N14	W80	.982	16161	17.6	32D	?N	P	1413	120				ZX	
			IMP.1	NO	HOLL															
353	KANZ	23	1507	1510	1510D	N32	W32	.646	16156	21.2	3D	-F	1						ZX	
354	HOLL	23	1636	1640	1649	N31	W22	.547	16156	22.0	13	-N	4	C		23			ZX	
GRP76355	23	1645+1	1648+2	1712	S05	W07	.212	16166	23.2	27	-N				110	1.1			U	
HOLL	23	1645	1650	1715	S05	W07	.212	16166	23.2	30	-B	4	C		142				UDE	
BIG9	23	1646	1648	1708	S06	W07	.226	16166	23.2	22	-N	3	C	1648	80	.8				
GRP76356	23	1848+4	1848	1923	N32	W24	.575	16156	22.0	35	-F				40	.5			F	
			1904+3																	
PALE	23	1848	1904	1923	N23	W24	.490	16156	22.0	35	-N	3	C		34				F	
PALE	23	1848	1848	1851	N23	W24	.490	16156	22.0	3	-N	3	C		34				F	
BIG9	23	1852	1907	1918E	N32	W24	.575	16156	22.0	26D	-F	3	C	1907	50	.6				
		23	1952	2000	NO FLARE PATROL															
357	PALE	23	2111	2127	2153	N31	W26	.583	16156	21.9	42	-N	3	C		75				U F ZX
		23	2113	2125	NO FLARE PATROL															
358	PALE	23	2319	2320	2324	N30	W26	.573	16156	22.0	5	-N	3	C		42				F ZX
GRP76359	24	0058+9	0109+0	0224	N31	W28	.600	16156	21.9	86	-B									
			0156																	
PALE	24	0058	0109	0132	N31	W29	.610	16156	21.9	34	-B	3	C		119				FDE	
PURP	24	0107	0109	0220	N31	W28	.600	16156	21.9	73	1N	C								
PALE	24	0152	0156	0227	N31	W29	.610	16156	21.9	35	-B	3	C		72				F	
GRP76360	24	0441	0520	0554	N32	W30	.627	16156	21.9	73	1F									
CULG	24	0441	0520	0542	N33	W28	.618	16156	22.1	61	1F	C	0520	180	2.4					
HTPR	24	0532E		0606	N31	W33	.742	16156	21.8	34D	-F	C	0533	20	.3					
GRP76361	24	0506+2	0514	0522D	N14	E86	.996	16171	30.7	16	1N								E	
CULG	24	0506U	0524U	0604U	N13	E88	.999	16171	30.8	58D	1N	C	0524	60						
TACH	24	0508	0514	0522	N16	E85	.994	16171	30.6	14	18	C	0514	53					E	
362	ABST	24	0610E	0612	0616	N31	W28	.600	16156	22.2	6D	-N	P	0612	131	1.7			E ZX	
363	ABST	24	0626	0628	0632D	N13	W75	.962	16165	18.6	6D	?N	P	0628	87				E ZX	
			IMP.1	NO	HTPR MITK CATA															
364	ABST	24	0628	0630	0639	S15	E47	.774	16169	27.8	11	?N	C	0630	131	2.1				D ZX
			IMP.1	NO	HTPR MITK CATA															

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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.											
GRP76365	24	0650+9	0707 0727	0735	N31	W31	.628	16156	22.0	45	1N					D	
PURP	24	0650	0707	0735	N31	W32	.638	16156	21.9	45	1N	C					
ABST	24	0725	0727	0731D	N32	W31	.636	16156	22.0	60	-N	P	0727	105	1.4	D	
GRP76366	24	0742+9	0758+7 0815	0835	N31	W31	.628	16156	22.0	53	-B			140	1.8	FJKU	
ABST	24	0742	0804	0846	N31	W31	.628	16156	22.0	64	1B	C	0804	175	2.3	FJK	
ISTA	24	0745E	0800	0825	N31	W31	.628	16156	22.0	40D	1B	V				K	
HTPR	24	0748	0815	0840	N31	W34	.751	16156	21.8	52	-B	C	0815	150	2.1	EU	
MONT	24	0751	0758	0832	N32	W30	.627	16156	22.1	41	-B	C	0758	110			
KANZ	24	0752E		0830D	N33	W31	.644	16156	22.0	38D	-E	2					
CATA	24	0755	0805	0845	N30	W32	.630	16156	21.9	50	1B	2	C	0805	168	2.2	T
ATHN	24	0759	0801	0826	N31	W30	.619	16156	22.1	27	-B	3	C	80		F	
367 KHAR	24	0855		0905D	S02	W33	.555	16148	21.9	10D	-F	V	0858			D ZX	
368 ABST	24	0856	0859	0912D	N32	W33	.655	16156	21.9	16D	-N	P	0859	114	1.5	DJ ZX	
369 KHAR	24	0858	0858	0905D	S30	W90	1.001	16137	17.6	7D	-F	V	0858			D ZX	
GRP76370	24	0938+9	0949+1	0959	N08	W10	.179	16153	23.7	21	-N					EJ	
ABST	24	0938E	0949	0955	N08	W11	.196	16153	23.6	17D	-N	P	0949	157	1.6	EU	
HTPR	24	0948	0950	1002	N08	W10	.179	16153	23.7	14	-B	C	0950	70	.7	E	
GRP76371	24	1017+8	1028 1100+2	1142	N31	W33	.648	16156	22.0	85	1N			180	2.4	EO	
KHAR	24	1017E	1100	1200D	N30	W34	.650	16156	21.9	103D	1N	P	1102	250	3.5	EO	
HTPR	24	1025	1028	1140	N31	W35	.760	16156	21.8	75	-F	C	1100	60	.8	E	
ZURI	24	1056	1102	1116C	N31	W33	.648	16156	22.0	20D	1N	P	1102	180	2.5		
MCHA	24	1140E		1142D	N32	W33	.655	16156	22.0	2D	-F	P	1140	80	1.1	E	
372 KHAR	24	1020E		1039D	N14	W90	1.000	16161	17.7	19D	-F	V	1031			E ZX	
373 KHAR	24	1137E		1148C	N17	E80	.981	16171	30.5	11D	-F	V	1137			H ZX	
374 HTPR	24	1221	1227	1235	N31	W46	.769	16156	21.1	14	-F	C	1227	30	.4	ZX	
GRP76375	24	1421+5	1438	1454	N31	W36	.676	16156	21.9	33	-F			35	.5	E	
HTPR	24	1421	1438	1457	N31	W37	.778	16156	21.8	36	-N	C	1438	40	.5	E	
HUAN	24	1426		1450	N32	W36	.683	16156	21.9	24	-F	1	C	1435	30	.4	E
376 HUAN	24	1447		1452	N08	W13	.229	16153	23.6	5	-F	1	C	1450	15	.2	D ZX
GRP76377	24	1507+0	1512+4 1531	1607	N31	W35	.667	16156	22.0	60	-N			70	1.0	E	
HUAN	24	1507		1603	N32	W36	.683	16156	21.9	56	-N	1	C	1515	50	.7	E
BIGB	24	1507	1512	1608	N31	W35	.667	16156	22.0	61	-N	3	C	1512	70	.9	
HTPR	24	1507	1516	1605	N31	W36	.769	16156	21.9	58	-N		C	1516	80	1.1	E
RAMY	24	1525E	1531U	1609	N30	W33	.640	16156	22.2	44D	-B	3	C	73		F	
GRP76378	24	1614+1	1616+0	1622	N29	W41	.713	16156	21.6	8	-N			70	1.0		
BIGB	24	1614	1616	1631	N29	W41	.713	16156	21.6	17	-N	3	C	1616	50	.7	
RAMY	24	1615	1616	1622	N29	W36	.664	16156	22.0	7	-N	3	C	95		F	
HUAN	24	1615		1618	N31	W42	.733	16156	21.5	3	-F	1	C			E	
GRP76379	24	1850+9	1903	1913D	N13	E68	.923	16171	29.9	23	-N						
RAMY	24	1850E	1916U	2018D	N14	E71	.942	16171	30.1	88D	-N	2	C		20		
BIGB	24	1901	1903	1913	N12	E65	.903	16171	29.7	12	-N	3	C	1903	50		
380 BIGB	24	1857	1859	1906	N14	E88	.154	16153	24.8	9	-N	3	C	1859	50	.5	ZX
381 HOLL	24	1900	1902	1906	N10	W18	.317	16153	23.4	6	-N	3	C		25		F ZX
382 RAMY	24	1912E	1958U	2018D	S15	E17	.442	16164	26.1	66D	-N	2	C		30		ZX
383 BIGB	24	2155	2200	2209	N12	E63	.887	16171	29.6	14	-N	3	C	2200	30	.7	ZX
384 CULG	24	2246	2312U	2330	N33	W38	.707	16156	22.1	44	-N		C	2312	120	1.7	ZX
GRP76385	25	0040+9	0125+3	0200D	N31	W40	.713	16156	22.0	80	1B			140	2.1	UZ	
HOLL	25	0040	0128	0132C	N31	W41	.723	16156	22.0	52D	-B	3	C		113		Z U
PALE	25	0106	0131	0200D	N31	W39	.704	16156	22.1	54D	1B	3	C		180		FDE
386 PALE	25	0125	0126	0144	N16	E73	.952	16171	30.5	19	-N	3	C				FDE ZX
	25	0152	0202	NO FLARE PATROL													

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	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.												
	25	0215	0232	NO FLARE PATROL														
387 PALE	25	0220	0245	0321	N31	W40	.713	16156	22.1	61	-N	3	C		49		FDE	ZX
388 CULG	25	0242	0259U	0517	S17	E03	.381	16164	25.3	155	-F		C	0259	60	.6	SFK	ZX
389 PALE	25	0249	0256	0326	N16	E72	.947	16171	30.5	37	?B	3	C		110		FDE	ZX
		IMP.1	NO :	CULG	MITK													
390 ABST	25	0453E	045E	05000	N33	W44	.760	16156	21.9	70	?F		P	0456	166	?6	E	ZX
		IMP.1	NO :	TACH	CULG													
391 ABST	25	0735	0736	0739	N08	W24	.407	16153	23.5	4	-F		P	0736	87	1.0	D	ZX
GRP76392	25	0750E	0750	0756	S15	E13	.406	16164	26.3	6	-F							
ZURI	25	0750E	0750	0756	S15	E12	.398	16164	26.2	60	-F		P	0750	80	.9		
HANI	25	0752E	0752U	0756C	S15	E14	.415	16164	26.4	40	-N	2	V		20			
393 HTPR	25	0802	0805	0810	S16	E12	.412	16164	26.2	8	-F		C	0810	20	.2	D	ZX
GRP76394	25	0826>9	0838+1	0933	S16	E12	.412	16164	26.3	67	-N				60	.7	EKV	
			0851+3															
WENO	25	0826		0941	S14	E13	.393	16164	26.3	75	-N		C		50	.5	E	
KANZ	25	0826		0930	S16	E11	.404	16164	26.2	64	-N	1					F	
HTPR	25	0829	0852	0940	S14	E11	.376	16164	26.2	71	-N		C	0852	40	.4	EK	
WENO	25	0830		0933	S13	E09	.347	16164	26.0	63	-N		C				D	
WENO	25	0834		0842D	S19	E17	.492	16164	26.6	80	-F		C					
HTPR	25	0835	0839	0845	S19	E18	.500	16164	26.7	10	-F		C	0839	30	.4	E	
MONT	25	0835	0839	0928	S15	E09	.376	16164	26.0	53	-N		C	0839	80		E	
ZURI	25	0836	0838	0844	S18	E18	.488	16164	26.7	8	-N		C	0838	50	.6		
ZURI	25	0836	0854	0926	S15	E12	.398	16164	26.3	50	-N		C	0854	180	2.1		
ABST	25	0837	0838	0856	S18	E18	.488	16164	26.7	19	-F		C	0838	131	1.5	EV	
ABST	25	0838	0841	0847	S14	E12	.384	16164	26.3	9	-N		C	0841	87	.9	D	
ABST	25	0838	0851	0929	S14	E07	.349	16164	25.9	51	-N		C	0851	87	1.0	D	
ABST	25	0849	0904	0936D	S15	E11	.390	16164	26.2	470	-N		P	0904	87	1.0	D	
395 KANZ	25	1105		1156D	S15	E04	.352	16164	25.8	510	-F	1						ZX
396 WENO	25	1211		1257	N11	E61	.871	16171	30.1	46	-N		C		60	1.3		ZX
GRP76397	25	1431+1	1432+0	1445	N15	E63	.888	16171	30.3	14	-N				20	.4		
BIGB	25	1431	1432	1446	N16	E65	.903	16171	30.5	15	-B	3	C	1432	20			
HUAN	25	1431E		1435	N15	E66	.910	16171	30.6	40	-F	1	P	1432	15		D	
RAMY	25	1432	1432	1444	N16	E61	.872	16171	30.2	12	-B	3	C		16		F	
HOLL	25	1432	1432	1446	N15	E62	.880	16171	30.3	14	-B	3	C		19		FDE	
GRP76398	25	1600+2	1604+3	1612	S06	W33	.571	16166	23.2	12	-9				50	.6	F	
WENO	25	1600		1610E	S06	W29	.516	16166	23.5	100	-N		C	1604	60	.7		
HOLL	25	1601	1607	1619	S06	W33	.571	16166	23.2	18	-9	3	C		59		F	
RAMY	25	1602	1606	1612	S07	W33	.575	16166	23.2	10	-B	3	C		39			
BIGB	25	1602	1604	1610	S06	W33	.571	16166	23.2	8	-B	3	C	1604	30	.4		
GRP76399	25	1737+1	1739+0	1756	S07	W35	.602	16166	23.1	19	-N						F	
HOLL	25	1737	1739	1756	S08	W35	.606	16166	23.1	19	-9	3	C		75		F	
BIGB	25	1738	1739	1755	S06	W35	.598	16166	23.1	17	-N	3	C	1739	30	.4		
400 BIGB	25	2048	2056	2103	S22	E90	1.001	16174	1.6	15	-N	3	C	2056	40			ZX
401 BIGB	25	2300	2301	2317	N32	W60	.882	16156	21.5	17	-N	3	C	2301	40	.8		ZX
402 HOLL	25	2307	2311	0007	N32	W40	.719		23.0	60	-B	3	C		100		F	ZX
403 BIGB	26	0003	0004	0006	N33	W56	.856	16156	21.8	3	-F	3	C	0004	30	.6		ZX
	26	0147	0235	NO FLARE PATROL														
404 PALE	26	0235E	0237U	0253D	S15	W01	.347	16164	26.0	180	-N	2	C		30		DE	ZX
	26	0237	0240	NO FLARE PATROL														
405 TACH	26	0340E		0353	S15	E18	.454	16169	27.5	130	1F		V	0340	442	5.1	E	ZX
406 HTPR	26	0525F		0550	S15	F18	.454	16169	27.6	250	-F		C	0525	40	.4	BE	ZX
GRP76407	26	0655+1	0658	0725	S13	W02	.316	16164	26.1	30	-N							
HTPR	26	0655	0658	0725	S14	W03	.334	16164	26.1	30	-F		C	0658	30	.3	E	
ICTA	26	0656		0725	S13	W02	.316	16164	26.1	29	-B		V				F	

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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.												
408 ISTA	26	0708		0713	S14	E18	.443	16169	27.6	5	-N	V				E	ZX	
409 KANZ	26	0730E		0740	S13	W04	.321	16164	26.0	100	-N	2					ZX	
GRP76410	26	0730+5	0735+1	0749	S14	E17	.433	16169	27.6	19	-N						E	
KANZ	26	0730E	0735	0747	S14	E16	.422	16169	27.5	170	-B	*					E	
HTPR	26	0731	0736	0755	S16	E17	.456	16169	27.6	24	-N	* C	0736	20	.2		E	
ISTA	26	0732		0748	S14	E17	.433	16169	27.6	16	-N	* V					E	
SUCA	26	0735		0750	S14	E17	.433	16169	27.6	15	-F	* C	0738	107	1.2		E	
GRP76411	26	0901+4	0905+0	0912	N09	E25	.424	16167	28.3	11	-N						D	
TELV	26	0901	0905	0914	N07	E27	.452	16167	28.4	13	-N		C 0905	60	.7		D	
KANZ	26	0905	0905	0909	N12	E24	.417	16167	28.2	4	-N	2					D	
GRP76412	26	0921+8	0929+3	0948	S15	W07	.366	16164	25.9	27	-N			100	1.1			
KANZ	26	0921	0929	0953	S15	W08	.371	16164	25.8	32	-N	2						
MONT	26	0923	0930	0948	S14	W05	.341	16164	26.0	25	-N		C 0930	110				
ATHN	26	0929	0932	0944	S16	W07	.381	16164	25.9	15	-N	1	0932	98	1.0			
GRP76413	26	0933+5	0935	1019	N15	E54	.808	16171	30.4	46	-N						FL	
			0949+3															
ATHN	26	0933	0935	1013	N13	E51	.775	16171	30.2	40	-B	4 C		80			F	
MONT	26	0935	0952	1019	N15	E56	.827	16171	30.6	44	-N		C 0952	70				
KANZ	26	0938	0949	1024	N15	E54	.808	16171	30.5	46	-N	2						
LOCA	26	0940E	0940	1015	N15	E52	.788	16171	30.3	350	1N		V 0940	244	4.2			
KHAR	26	1004E		10220	N16	E55	.819	16171	30.5	180	1N		P 1009	180	3.3		L	
414 KHAR	26	1015	1015	1018	S07	W44	.714	16166	23.1	3	-F	V	1015				DT	ZX
GRP76415	26	1042+2	1047+9	1119	N16	E17	.339	16167	27.7	37	-F						EH	
MONT	26	1042	1047	1100D	N16	E17	.339	16167	27.7	180	-F		C 1047	50			E	
KANZ	26	1044	1052	1108	N16	E16	.326	16167	27.6	24	-N	2						
KHAR	26	1054E	1057	1130D	N17	E17	.348	16167	27.7	360	1F		P 1100	240	2.7		EH	
GRP76416	26	1120+2	1123+0	1134	S06	W43	.700	16166	23.2	14	-F						H	
KHAR	26	1120E	1123	1133D	S07	W44	.714	16166	23.2	130	-F		P 1123	100	1.5		HT	
KANZ	26	1122	1123	1134	S05	W43	.697	16166	23.2	12	-F	2						
417 KHAR	26	1131	1132	1140D	S15	E85	.998	16175	1.9	90	-F		P 1131				O	ZX
	26	1150	1308	NO FLARE PATROL														
	26	1321	1333	NO FLARE PATROL														
GRP76418	26	1414	1416	1420	S18	E58	.881	16174	30.9	6	-F			20	.4		D	
HOLL	26	1414	1416	1420	S17	E56	.863	16174	30.8	6	-N	3 C		21				
HUAN	26	1415E		1419	S20	E60	.900	16174	31.1	40	-F	1 P	1417	15			D	
GRP76419	26	1439+5	1453	1514D	N15	E53	.798	16171	30.6	35	-N			40	.7		D	
SIGB	26	1439	1453	1549	N16	E53	.799	16171	30.6	70	-N	3 C	1453	40	.7			
WEND	26	1443E		1456D	N15	E52	.788	16171	30.5	130	-N		C 1450	45	.8			
HUAN	26	1444		1514	N15	E55	.818	16171	30.7	30	-F	1 C	1450	20	.3		D	
420 SIGB	26	2030	2037	2042	S29	E90	1.001	16179	2.6	12	-N	3 C	2037	40			ZX	
GRP76421	26	2058+7	2107+5	2128	S13	W11	.363	16164	26.0	30	-N			80	.9		FU	
PALE	26	2058	2107	2128D	S15	W11	.391	16164	26.0	300	-N	3 C		98			F	
HOLL	26	2058	2112	2131	S13	W11	.363	16164	26.0	33	-B	3 C		75			U F	
SIGB	26	2105	2108	2122	S13	W11	.363	16164	26.1	17	-N	3 C	2108	60	.6			
422 HOLL	26	2237	2238	2243	N15	E45	.710	16171	30.3	6	-B	3 C		49			FDE	ZX
423 HOLL	27	0037	0039	0045	S15	W14	.417	16164	26.0	8	-B	3 C		48			ZX	
GRP76424	27	0053+8	0101+3	0116	N16	E44	.700	16171	30.3	23	-N			60	.9			
			0110															
PALE	27	0053E	0102U	0116	N17	E44	.702	16171	30.3	230	-B	3 C		53			FDE	
HOLL	27	0055	0101	0113D	N17	E44	.702	16171	30.3	180	-B	3 C		60			DE	
SIGB	27	0101	0104	0118	N16	E45	.712	16171	30.4	17	-N	3 C	0104	60	.9			
PURP	27	0103	0110	0116	N13	E43	.683	16171	30.3	13	-F		C					
GRP76425	27	0128E	0214+4	0311	N13	E45	.707	16171	30.4	103	1N						S	
PALE	27	0128E	0214U	0322	N17	E45	.714	16171	30.4	1140	-B	3 C		91			FDE	
CULG	27	0149U	0215U	0300U	N13	E46	.719	16171	30.5	71D	1F		C 0215	280	4.0		FS	
PURP	27	0207	0218	0300	N13	E43	.683	16171	30.3	53	1F		C					
426 CULG	27	0208	0236	0344	S20	W27	.598	16164	25.1	96	-F		C 0236	80	1.0		ZX	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	MIN.	COND.	TYPE	TIME UT		MEAS. AREA
					LAT.	MER. DIST.			Mill of Disk	Sec Deg							
427 CULG	27	0234E	0240	0251	S21	E80	.992	16174	2.1	17D	-F	P	0240	20		ZX	
428 HTPR	27	0542E		0630	N18	E48	.749	16171	30.8	480	-F	C	0542	30	.5	D ZX	
429 ISTA	27	0806		0810	S15	W17	.445	16164	26.1	4	-F	V				D ZX	
GRP76430	27	0851+4	0907+8	0936	N13	E38	.619	16171	30.2	45	-N					JK	
ABST	27	0851	0857	0903	N14	E37	.608	16171	30.1	12	1F	C	0857	175	2.3	DJ	
HTPR	27	0853E	0911	0945	N13	E38	.619	16171	30.2	520	-N	C	0911	80	1.0	EKT	
MONT	27	0853	0914	0934	N14	E38	.621	16171	30.2	41	-N	C	0914	150			
CATA	27	0855	0915	0925D	N13	E37	.606	16171	30.1	300	13	P	0915	224	2.9		
ABST	27	0855	0911	0911D	N15	E40	.649	16171	30.4	160	-N	P	0911	131	1.8	FJ	
ABST	27	0859	0910	0915D	N13	E36	.592	16171	30.1	160	1F	P	0910	175	2.2	FJ	
PURP	27	0904	0920	0935	N13	E39	.632	16171	30.3	31	1N	C					
ATHN	27	0906	0908	1014	N14	E39	.634	16171	30.3	68	-B	3	G	95		F	
LOCA	27	0907E	0907	0930	N13	E37	.606	16171	30.2	230	-N	V	0907	102	1.3		
KANZ	27	1005E		1011D	N14	E36	.594	16171	30.1	60	-F	1					
GRP76431	27	0934+1	0936+1	0951	S07	W56	.841	16166	23.2	17	-F			40	.7	H	
MONT	27	0934	0936	0949	S07	W54	.822	16166	23.3	15	-F	C	0936	50		H	
ATHN	27	0935	0937	0952	S07	W59	.867	16166	23.0	17	-N	1	0937	33	.5		
	27	1150	1319	NO FLARE PATROL													
432 HTPR	27	1155	1157	1220	N13	E33	.551	16171	30.0	25	-B	C	1157	90	1.1	EHKT ZX	
GRP76433	27	1230	1310	1420	N13	E34	.565	16171	30.1	110	-F					EK	
HTPR	27	1230	1310	1425	N14	E35	.581	16171	30.1	115	-F	C	1310	40	.5	EKT	
MCMA	27	1321E		1353D	N13	E35	.578	16171	30.2	320	-N	C	1322	50	.6	E	
KANZ	27	1337E		1414	N14	E34	.567	16171	30.1	370	-F	1				E	
HTPR	27	1345	1353	1425	N12	E31	.520	16171	29.9	40	-F	C	1353	10	.1	D	
434 HOLL	27	1344	1352	1411	N12	W48	.741	16153	24.0	27	-N	3	C	17		ZX	
435 BIGB	27	1459	1504	1518	N22	E90	.999	16181	3.4	19	-N	3	C	1504	30		ZX
436 CULG	27	2257	2315	2332	S13	W07	.336	16169	27.4	35	-F	C	2315	60	.8	ZX	
GRP76437	27	2317+5	2326	2346	N13	E36	.592	16171	30.7	29	-F			90	1.1	D	
CULG	27	2317	2326	2346	N12	E37	.604	16171	30.7	29	-N	*	C	2326	60	.8	
VORO	27	2322		2339D	N15	E35	.524	16171	30.6	170	-F	*	P	2329	134	1.6	D
438 CULG	27	2318	2327	2337	S15	W35	.646	16164	25.3	19	-F	C	2327	60	.8	ZX	
439 CULG	28	0025	0042	0124	N13	E35	.578	16171	30.6	59	?F	C	0042	180	2.3	ZX	
		IMP.1	NO	01G3	VORO												
440 CULG	28	0047	0052	0120	S21	W36	.696	16164	25.3	33	-F	C	0052	50	.7	F ZX	
GRP76441	28	0143+9	0149	0218	S17	W40	.713	16164	25.1	35	-F			100	1.4		
CULG	28	0143	0149	0203	S12	W39	.676	16164	25.1	20	-F	C	0149	60	.8		
CULG	28	0202	0204	0222	S18	W41	.728	16164	25.0	20	-F	C	0204	80	1.1		
VORO	28	0203	0206	0213	S20	W40	.729	16164	25.1	10	-F	C	0206	116	1.6		
GRP76442	28	0326+8	0335+3	0400	N15	E29	.501	16171	30.3	34	1N					F	
CULG	28	0326	0338	0433	N13	E30	.508	16171	30.4	67	1N	C	0338	240	2.8	F	
PALE	28	0334	0335	0358	N16	E29	.585	16171	30.3	24	-N	3	C	50		F	
TACH	28	0336E		0400	N15	E28	.487	16171	30.3	240	1N	V	0340	406	4.8	E	
443 CULG	28	0426	0429	0435	S10	W31	.567	16164	25.9	9	-F	C	0429	60	.7	ZX	
444 CULG	28	0433	0435	0454	S28	E58	.987	16174	1.5	21	-N	C	0435	60	1.5	FK ZX	
445 CULG	28	0457	0501	0516	S13	W12	.374	16169	27.3	19	-N	C	0501	120	1.3	ZX	
446 CULG	28	0510	0515	0523	N14	E00	.148	16167	28.2	13	-F	C	0515	40	.4	F ZX	
447 CULG	28	0525	0529	0536	N25	W01	.335	16167	28.2	11	-N	C	0529	30	.3	G ZX	
448 CULG	28	0556	0558	0608	N13	E33	.550	16171	30.7	12	-F	C	0558	20	.2	ZX	
GRP76449	28	0659+6	0705	0720	S25	E56	.886	16174	1.5	21	-N			60	1.2		
CULG	28	0659	0703U	0703D	S28	E55	.888	16174	1.4	40	-N	P	0703	50	1.2		
CATA	28	0705	0705	0720	S23	E57	.887	16174	1.6	15	-N	2	C	0705	84	1.8	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPROVANCE	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.											
GRP76450	28	0740	0754+5 0807	0826	S26	E48	.831	16174	31.9	46	-N		80	1.4	E		
YUNN	28	0740	0759	0810	S27	E48	.835	16174	31.9	30	1N	C	132				
HTPR	28	0744	0757	0830	S27	E47	.827	16174	31.8	46	-F	C	0757	40	.7	E	
MONT	28	0748	0754	0824	S26	E49	.838	16174	1.0	36	-F	C	0754	60		E	
CATA	28	0750	0755	0825	S25	E48	.826	16174	31.9	35	1N	2	C	0755	112	2.0	
ZURI	28	0801E	0807	0827	S26	E47	.823	16174	31.9	260	-N	P	0807	90	1.7		
451 ABST	28	0959	1000	10010	S15	W76	.978		22.7	20	?F	P	1000	87		D ZX	
IMP.1 NO					HTPR	ZURI	MONT	CATA									
452 HTPR	28	1006	1008	1014	N14	E23	.410	16171	30.1	8	-F	C	1008	40	.4	ZX	
GRP76453	28	1049+1	1052+3 1117	1124	S25	E54	.872	16174	1.5	35	-F					E	
HTPR	28	1049	1052	1101	S26	E55	.882	16174	1.6	12	-F	C	1052	30	.6	E	
CATA	28	1050	1055	1125	S24	E54	.868	16174	1.5	35	-F	2	C	1055	84	1.7	
HTPR	28	1110	1117	1122	S26	E55	.882	16174	1.6	12	-F	C	1117	20	.4	E	
454 HTPR	28	1154	1157	1201	S25	E54	.872	16174	1.5	7	-F	C	1157	10	.2	D ZX	
455 HTPR	28	1214	1215	1232	S25	E54	.872	16174	1.6	18	-F	C	1215	10	.2	OK ZX	
456 HTPR	28	1328	1331	1345	S25	E51	.850	16174	1.4	17	-F	C	1331	20	.4	E ZX	
457 HTPR	28	1344	1347	1405	N12	E23	.401	16171	30.3	21	-F	C	1347	50	.6	ZX	
458 HOLL	28	1348	1350	1447	S14	W16	.424	16169	27.4	59	-B	3	C		45		ZX
GRP76459	28	1418+1	1422	1432	S15	W36	.658	16164	25.9	14	-N						
HOLL	28	1418	1422	1434	S15	W36	.658	16164	25.9	16	-B	3	C	101			
HUAN	28	1419		1429	S15	W36	.658	16164	25.9	10	-F	1	C				
GRP76460	28	1442+0	1442+2	1448	S23	E51	.842	16174	1.4	6	-N			25	.4	D	
HCLL	28	1442	1442	1448	S21	E50	.826	16174	1.4	6	-B	3	C	32			
HUAN	28	1442	1444	1448	S25	E53	.864	16174	1.6	6	-F	1	C	1444	20	.3	D
GRP76461	28	1454+6	1455 1507	1529	N16	E25	.449	16171	30.5	35	-N					U	
HOLL	28	1454	1455	1535	N15	E23	.415	16171	30.3	41	-B	3	C	58		U F	
HUAN	28	1457		1521	N16	E25	.449	16171	30.5	24	-N	1	C			E	
BIGB	28	1500	1507	1529	N17	E25	.455	16171	30.5	29	-N	3	C	1507	170	1.9	
GRP76462	28	1556+0	1558	1611	N15	E22	.401	16171	30.3	15	-N					EU	
HOLL	28	1556	1558	1616	N15	E21	.386	16171	30.2	20	-B	3	C	86		UJE	
HUAN	28	1556		1606	N15	E23	.415	16171	30.4	10	-F	1	C			E	
463 HOLL	28	1652	1652	1658	S21	E49	.818	16174	1.4	6	-N	3	C	19		ZX	
GRP76464	28	1704+5	1710+4	1741	S13	W16	.412	16169	27.5	37	-B					U	
HTPR	28	1704	1710	1740	S14	W18	.558	16169	27.4	36	-N	C	1710	120	1.3	U	
HOLL	28	1707	1710	1745	S13	W17	.423	16169	27.4	38	13	3	C	425		UJE	
3IGB	28	1709	1711	1742	S13	W15	.327	16169	27.6	33	-B	3	C	1711	170	1.8	
PALE	28	1713E	1714U	1734	S14	W15	.415	16169	27.6	210	12	3	C	315		U F	
GRP76465	28	1749+1	1751+3 1806	1823	S13	W34	.622	16164	26.2	34	-B			60	.8		
HOLL	28	1749	1754	1826	S13	W34	.622	16164	26.2	37	-B	* C		67		F	
BIGB	28	1750	1753	1758	S12	W35	.622	16164	26.1	8	-N	* C	1753	50	.8		
PALE	28	1750	1751	1808D	S13	W35	.634	16164	26.1	180	-B	* C		56		FOE	
BIGB	28	1804	1806	1823	S12	W35	.628	16164	26.1	19	-N	* C	1806	80	1.0		
HUAN	28	1805		1813	S15	W34	.635	16164	26.2	8	-F	* C	1806	45	.5	E	
GRP76466	28	1750+2	1752+2	1759	S16	E53	.835	16175	1.7	9	-F			20	.4	D	
HTPR	28	1750	1754	1805	S17	E53	.838	16175	1.7	15	-F	* C	1754	10	.2	D	
BIGB	28	1750	1752	1759	S16	E54	.844	16175	1.8	9	-F	3	C	1752	30	.5	
PALE	28	1752	1752	1756	S15	E52	.823	16175	1.6	4	-N	3	C	17		DE	
GRP76467	28	2204+5	2211+1	2247	S13	W19	.445	16169	27.5	43	18			220	2.4	F	
CULG	28	2204	2212	2319	S13	W20	.456	16169	27.4	75	1N	C	2212	300	3.4	F	
HOLL	28	2207	2212	2246	S14	W19	.455	16169	27.5	39	18	3	C	275		FOE	
3IGB	28	2207	2212	2248	S13	W17	.423	16169	27.6	41	-B	3	C	2212	160	1.7	
PALE	28	2209	2211	2232	S15	W19	.466	16169	27.5	23	-B	3	C	111		F	

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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 FLARE REGION	CMP DAY				TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg				
					LAT.	MER. DIST.													
494	CULG	30	0003	0019	0033	N15	W69	.929	16153	24.8	30	-F	C	0019	30		LG	ZX	
495	CULG	30	0134	0138	0146	N15	E34	.569	16177	1.6	12	-F	C	0138	50	.6		ZX	
GRP76496		30	0218+5	0242+4 0255+2	0437	N23	E14	.375	16171	31.1	139	2N			780	8.5	FIJSU		
	CULG	30	0218	0255U	07050	N23	E15	.384	16171	31.2	2870	3N	P	0255	1200	13.6	SUFJ		
	YUNN	30	0223	0246	0445	N23	E14	.375	16171	31.1	142	2B	C		642				
	MITK	30	0227E	0242	0305	N27	E13	.418	16171	31.1	380	2F	C	0242	780	8.9	EFU	U S	
	PALE	30	0234E	0257U	03340	N23	E15	.384	16171	31.2	600	-B	3	C	161				
	PURP	30	0236	0246	0456	N22	E14	.283	16171	31.2	140	3N	C		1509	16.5	S		
	TACH	30	0315E	0316	03590	N22	E11	.334	16171	31.0	440	3F	V	0316	2210	23.3	CITU	U S	
	PALE	30	0354E	0354U	04460	N23	E15	.384	16171	31.3	520	1B	3	C	228				
497	CULG	30	0237	0308	03210	S09	W59	.871	16164	25.7	440	-F	C	0308	20	.4		ZX	
498	CULG	30	0542	0559	0616	N18	E03	.220	16171	30.5	34	-N	C	0559	90	.9	S	ZX	
499	CULG	30	0649E	0701	07050	S15	W59	.883	16164	25.9	160	-F	P	0701	80	1.6		ZX	
500	A3ST	30	0810E	0810	08200	N15	W01	.164	16171	30.3	100	-F	P	0810	87	.9	OJ	ZX	
GRP76501		30	0853+2	0855+0	0925	S16	W54	.845	16164	26.3	32	1N			210	3.8			
	MONT	30	0853	0855	0935	S16	W55	.853	16164	26.2	42	1N	C	0855	250				
	CATA	30	0855	0855	0915	S17	W53	.839	16164	26.4	20	13	2	C	0855	168	3.1		
502	MONT	30	0855	0857	0924	N14	W01	.147	16171	30.3	29	-F	C	0857	50			ZX	
503	KHAR	30	0944E		10020	S14	W59	.881	16164	26.0	180	?F	P	0953	120	2.6	E	ZX	
	IMP.1		NO	CATA	MONT														
504	KANZ	30	1059	1103	1106	N33	E22	.562	16178	1.1	7	-F	1				G	ZX	
505	KANZ	30	1311	1315	1319	S23	E26	.619	16174	1.5	8	-F	1					ZX	
506	HUAN	30	1849		1901	S17	W65	.928	16164	25.9	12	-F	1	C	1852	40			ZX
GRP76507		30	1910+3	1913+1	1923	S17	W65	.928	16164	25.9	13	-B			80			U	
	HOLL	30	1910E	1913	1925	S17	W62	.908	16164	26.1	150	-B	2	C	73			U	
	HOLL	30	1910E	1913	1925	S21	W68	.950	16164	25.7	150	-B	2	C	73			U	
	BIGB	30	1912	1913	1923	S15	W64	.918	16164	26.0	11	-B	3	P	1913	80	1.9		
	HUAN	30	1913	1914	1922	S17	W65	.928	16164	25.9	9	-N	2	C	1914	60			
GRP76508		30	2049+9	2118+1	2132	S16	W63	.913	16164	26.1	43	-N			45	1.1			
	HOLL	30	2049	2119	2132	S17	W62	.908	16164	26.2	43	-B	3	C	38				
	BIGB	30	2117	2118	2131	S15	W64	.918	16164	26.1	14	-N	3	C	2118	50	1.2		
GRP76509		30	2113+1	2114+1	2127	N14	W07	.188	16171	30.4	14	-N			60	.6			
	BIGB	30	2113	2115	2126	N15	W08	.212	16171	30.3	13	-N	3	C	2115	70	.8		
	HOLL	30	2114	2114	2128	N14	W07	.188	16171	30.4	14	-B	3	C	63				
510	BIGB	30	2148	2149	2200	S15	W65	.925	16164	26.0	12	-B	3	C	2149	20			ZX
511	CULG	30	2254	2304	2318	S18	W70	.956	16164	25.7	24	-F	C	2304	60			ZX	
GRP76512		31	0007+1	0010	0043	S16	W68	.944	16164	25.9	36	1N						LU	
				0026+2															
	CULG	31	0007	0027	0043	S16	W70	.954	16164	25.8	36	2N	C	0027	250		FL		
	HOLL	31	0008	0028	0042	S16	W69	.949	16164	25.8	34	1B	3	C	115		U	F	
	HOLL	31	0008	0010	0042	S16	W69	.949	16164	25.8	34	-N	3	C	47		U	F	
	PALE	31	0022	0026U	00520	S16	W68	.944	16164	25.9	300	-N	3	C	16		DE		
	BIGB	31	0026	0027	0033	S15	W66	.931	16164	26.1	7	-B	2	C	0027	40			
513	CULG	31	0234	0239	0253	S18	W80	.991	16164	25.1	19	-F	C	0239	30		K	ZX	
514	CULG	31	0404	0406	0416	S15	W72	.962	16164	25.8	12	-N	C	0406	70			ZX	
515	ISTA	31	0630		0632	S23	E16	.540	16174	1.5	2	-N	V				D	ZX	
516	PURP	31	0817	0820	0837	S15	W52	.824	16169	27.4	20	1F	C					ZX	
517	TELV	31	0928	0934	0947	N25	E05	.340	16171	31.8	19	-F	C	0934	180	1.8		ZX	
		31	1100	1150	NO FLARE PATROL														
518	TELV	31	1302	1309	1330	N18	E30	.526	16161	2.8	28	-N	C	1309	80	.9		ZX	

H α SOLAR FLARES

JULY 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	McMATH FLARE REGION	CMP. DAY				TIME UT	MEAS AREA MHI of Disk	CORR AREA Sq Deg	
					LAT.	MER. DIST.										
GRP76519	31	1633+3	1636+1	1644	S24	E13	.534	16174	1.7	11	-F			30	.3	0
HIPR	31	1633	1636	1645	S25	E13	.547	16174	1.7	12	-F	C	1636	30	.4	0
3IGB	31	1636	1637	1643	S23	E14	.527	16174	1.7	7	-N	2 C	1637	30	.3	
520 3IGB	31	1722	1725	1738	N15	E13	.272	16177	1.7	16	-F	2 C	1725	20	.2	ZX
521 BIGB	31	1800	1801	1802	N17	W21	.398	16171	30.2	2	-N	2 C	1801	40	.4	ZX
522 CULG	31	2158	2201	2207	N02	W57	.838		27.6	9	-F	C	2201	20	.4	G ZX
523 CULG	31	2216	2219U	2219D	N18	E08	.252	16177	1.5	30	-N	C	2219	40	.4	ZX
524 CULG	31	2338	2345	2358	S10	W55	.839	16169	27.9	20	-F	C	2345	10	.2	ZX
GRP76525	31	2359	0001	0004	S24	E04	.499	16174	1.3	5	-N					
CULG	31	2359	2401	0004	S24	E04	.459	16174	1.3	5	-N	C	2401	20	.2	
CULG	31	2359	2401	0004	S24	E04	.499	16174	1.3	5	-N	C	2401	20	.2	

"REMARKS":

- | | |
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| <p>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 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.</p> | <p>O = Observations have been made in the H and K lines of CaII.
 P = Flare shows helium D3 in emission.
 Q = Flare shows Balmer continuum in emission.
 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
 S = Brightness follows disappearance of filament in same position.
 T = Region active all day.
 U = Two bright branches, parallel or converging.
 V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H-alpha line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.</p> |
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DAILY FLARE INDICES

Includes all Flares

JULY 1979

Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.
790701.	185.04	22.7	790712.	26.81	24.0	790723.	171.26	22.7
790702.	98.00	21.4	790713.	39.39	24.0	790724.	117.29	24.0
790703.	295.29	24.0	790714.	49.99	24.0	790725.	50.72	23.6
790704.	376.83	23.1	790715.	56.00	24.0	790726.	83.03	21.7
790705.	55.89	24.0	790716.	63.19	24.0	790727.	55.57	22.5
790706.	53.65	24.0	790717.	19.86	23.5	790728.	158.56	24.0
790707.	41.48	24.0	790718.	45.45	24.0	790729.	72.89	24.0
790708.	227.43	23.9	790719.	75.33	22.6	790730.	381.75	24.0
790709.	158.86	23.2	790720.	123.95	21.3	790731.	52.01	23.2
790710.	112.59	24.0	790721.	106.84	23.3			
790711.	73.85	23.8	790722.	45.97	23.0			

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