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Misc  
May 79

# H $\alpha$ SOLAR FLARES

MAY 1979

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.											
GRP74197	01	0002	0009	0031	N16	E17	.443	15974	2.3	29	-N		110	1.2			
BIGB	01	0002	0009	0023	N15	E13	.393	15974	2.0	21	-N	1 C	0009	100	1.1		
BIGB	01	0010E	0010	0039	N17	E22	.505	15974	2.7	29D	-N	2 P	0010	130	1.4		
98 PALE	01	0018E	0019J	0023D	S04	H01	.018		0 30.9	50	?B	3 C		263		FDE Y5	
		IMP.1 NO :	HOLL	BIGB	VORO												
99 VORO	01	0151	0156	0238	S18	H88	.998	15958	24.5	47	-F	C	0156	45		DG Y5	
GRP74100	01	0233+1	0235+0	0244	N22	H38	.713	15967	28.3	11	-N			60	.8	E	
CULG	01	0233	0235	0245	N22	H38	.713	15967	28.3	12	-N	C	0235	70	1.0		
VORO	01	0234	0235	0243	N22	H39	.723	15967	28.2	9	-N	C	0235	54	.7	E	
101 CULG	01	0239	0300	0308	N23	E01	.457	15971	1.2	29	-F	C	0300	30	.3	Y5	
GRP74102	01	0351+2	0358+4	0416	N15	E18	.441	15974	2.5	25	1N			290	3.2	EIL	
CULG	01	0351	0400	0454	N15	E20	.463	15974	2.7	63	1N	C	0400	290	3.3	IT	
VORO	01	0353	0402	0416D	N17	E18	.464	15974	2.5	23D	1F	C	0402	332	3.7	EL	
MANI	01	0354E	0358	0415	N15	E18	.441	15974	2.5	21D	-B	3 C		150			
103 CULG	01	0408	0421	0508	S24	H21	.464	15968	29.7	60	-B	C	0421	90	1.0	KH Y5	
104 CULG	01	0442	0447	0524	N12	H21	.445	15967	29.6	42	-F	C	0447	30	.3	Y5	
105 CULG	01	0457	0508	0519	S21	E29	.542	15978	3.4	22	-F	C	0508	50	.6	Y5	
106 ABST	01	0521	0522	0525	S25	H19	.465	15968	29.8	4	-F	C	0522	79	.9	DJV Y5	
GRP74107	01	0540+1	0542+0	0555	S24	H19	.454	15968	29.8	15	-F					DJKV	
CULG	01	0540	0542	0556	S24	H20	.464	15968	29.7	16	-N	C	0542	20	.2		
ABST	01	0541	0542	0554	S25	H19	.465	15968	29.8	13	-F	C	0542	87	1.0	DJKV	
108 ABST	01	0545	0546	0549	N17	E25	.538	15974	3.1	4	-F	C	0546	96	1.1	DJV Y5	
GRP74109	01	0548+5	0555+1	0617	N10	E20	.414	15974	2.7	29	-N					FJ	
109 CULG	01	0548	0556	0615	N09	E20	.405	15974	2.7	27	-N	C	0556	80	.9	Y5	
109 ABST	01	0553	0555	0618	N11	E20	.423	15974	2.7	25	1N	C	0555	262	3.0	FJ Y5	
SRP74110	01	0605+1	0607+5	0631	S24	H20	.464	15968	29.8	26	-F					DJK	
CULG	01	0605	0607	0645D	S24	H21	.474	15968	29.7	40D	-F	C	0607	30	.3	K	
ABST	01	0606	0612	0617	S25	H20	.475	15968	29.8	11	-N	C	0612	87	1.0	DJ	
GRP74111	01	0610+6	0618	0652	S30	E27	.592		0 3.3	42	1N			220	2.8	FIJKSW	
			0624+3														
CULG	01	0610	0627	0645D	S30	E27	.592		0 3.3	35D	1N	C	0627	220	2.8	SFKIH	
ABST	01	0616	0618	0632E	S28	E27	.574		0 3.3	16D	-F	P	0618	87	1.1	DJ	
ABST	01	0619E	0624	0652	S31	E26	.592		0 3.2	33D	1N	P	0624	227	2.9	OJ	
GRP74112	01	0625+2	0630	0652	N11	E20	.423	15974	2.8	27	-F					DJK	
			0641														
CULG	01	0625	0630	0645D	N11	E20	.423	15974	2.8	20D	-F	C	0630	20	.2		
ABST	01	0627	0641	0652	N11	E20	.423	15974	2.8	25	-N	C	0641	87	1.0	DJK	
113 ABST	01	0625	0633	0649	S23	E33	.602	15978	3.7	24	-F	C	0633	87	1.1	DJ Y5	
GRP74114	01	0654+9	0702	0738	S24	H20	.464	15968	29.8	44	-N					DJ	
ABST	01	0654	0702	0738	S25	H20	.475	15968	29.8	44	-N	C	0702	87	1.0	DJ	
CATA	01	0705	0710	0710D	S24	H21	.474	15968	29.7	5D	-N	2 P	0710	39	.4		
115 ABST	01	0714	0721	0742	S30	E21	.538		0 2.9	28	-F	C	0721	87	1.1	DJ Y5	
116 ABST	01	0736	0737	0742	N11	E19	.411	15974	2.7	6	-F	C	0737	87	1.0	DJV Y5	
117 ABST	01	0826	0844	0906	N18	H40	.710	15967	28.4	40	?N	C	0844	201	2.9	EJ Y5	
		IMP.1 NO :	KIEV														
118 ABST	01	0848	0852	0904	S26	H21	.495	15968	29.8	16	-N	C	0852	87	1.0	DJ Y5	
119 ABST	01	0914	0926	0929	N19	H40	.716	15967	28.4	15	-F	C	0926	87	1.3	DJK Y5	
	01	1035	1050													NO FLARE PATROL	
	01	1053	1225													NO FLARE PATROL	
	01	1230	1330													NO FLARE PATROL	
GRP74120	01	1353+8	1406+2	1417	N16	E10	.382	15974	2.3	24	-N			80	.9	E	
MCMA	01	1353	1408	1422D	N15	E10	.368	15974	2.3	29D	-N	C	1408	90	1.0	E	
RAHY	01	1353	1406	1412	N17	E10	.397	15974	2.3	19	-N	3 C		71			

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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											
GRP74121	01	1407+0	1415 1428+3	1502	N18	W42	.731	15967	28.4	55	-B			50	.7	DK	
MCHA	01	1407	1431	1502D	N18	W43	.741	15967	28.4	55D	-B	C	1415	50	.7	DK	
MCHA	01	1407	1415	1502D	N18	W43	.741	15967	28.4	55D	-B						
BIGB	01	1425	1428	1503	N18	W42	.731	15967	28.5	38	-N	2 C	1428	60	.8		
RAMY	01	1428	1428	1432	N17	W37	.672	15967	28.8	4	-B	3 C		35			
122 BIGB	01	1509	1515	1636	N14	E17	.420	15974	2.9	87	-N	2 C	1515	20	.2	D Y5	
123 BIGB	01	1512	1530	1537	N18	W42	.731	15967	28.5	25	-N	2 C	1530	60	.8	Y5	
124 BIGB	01	1810	1812	1819	N14	E06	.328	15974	2.2	9	-N	2 C	1812	20	.2	E Y5	
125 BIGB	01	1859	1900	1903	N17	W45	.757	15967	28.4	4	-N	2 C	1900	20	.3	Y5	
GRP74126	01	1958+9	2033+7	2133D	N21	W48	.802	15967	28.2	95	1B						
BIGB	01	1958	2040	2133	N20	W47	.789	15967	28.3	95	2B	2 P	2040	390	5.9		
PALE	01	2024	2033U	2105D	N18	W46	.771	15967	28.4	41D	1B	2 C		172		F	
BIGB	01	2030	2036	2133	N26	W50	.839	15967	28.1	63	-N	2 P	2036	50	.8		
MCHA	01	2052E		2055D	N20	W47	.789	15967	28.3	3D	1B	P	2053	150	2.5	E	
CULG	01	2134E	2134E	2337	N29	W50	.851	15967	28.1	123D	-N	P	2134	60	1.2		
127 MCHA	01	2052E		2055D	S30	W24	.564	15968	30.1	30	-F	P	2053	40	.5	E Y5	
128 CULG	01	2337	2342	2350	S23	W31	.579	15968	29.7	13	-N	C	2342	10	.1	Y5	
129 CULG	01	2337	2345	2359	N28	W08	.546	15971	1.4	22	-N	C	2345	10	.1	Y5	
130 CULG	01	2356	2401	0009	N20	W48	.798	15967	28.4	13	-F	C	2401	30	.5	T Y5	
131 HOLL	01	2356	2421	0049	N16	E20	.474	15974	3.5	53	?B	* C		206		F0E Y5	
		IMP.1 NO	CULG	VORO	HANI												
132 CULG	02	0015	0022	0051	S20	E16	.379	15978	3.2	36	-F	C	0022	60	.7	FG Y5	
133 CULG	02	0107	0113	0116	N21	E79	.988	15986	8.3	9	-N	C	0113	10		G Y5	
134 CULG	02	0257	0307	0315	N13	E14	.375	15974	3.2	18	-F	C	0307	30	.3	Y5	
135 CULG	02	0341	0354	0412	S31	W22	.559	15968	30.5	31	-N	C	0354	100	1.2	L Y5	
136 CULG	02	0350	0353	0359	S23	W35	.626	15968	29.5	9	-F	C	0353	20	.2	Y5	
137 CULG	02	0353	0409	0417	N19	W50	.812	15967	28.4	24	-F	C	0409	50	.9	T Y5	
138 CULG	02	0421	0427	0440	N11	E11	.320	15974	3.0	19	-F	C	0427	30	.3	Y5	
GRP74139	02	0518+8	0529+3	0615	S26	E68	.930	15982	7.3	57	-N					FJ	
CULG	02	0518	0532	0612	S26	E67	.924	15982	7.2	54	-N	C	0532	60			
ABST	02	0526	0529	0535	S26	E70	.941	15982	7.5	9	1N	P	0529	201		FJ	
ABST	02	0559E	0559	0617	S26	E70	.941	15982	7.5	180	-F	P	0559	87		DJ	
GRP74140	02	0526+2	0533+3	0541	N19	W53	.839	15967	28.3	15	-F			80	1.4	DJ	
CULG	02	0526	0533	0541	N19	W51	.821	15967	28.4	15	-F	C	0533	60	1.0	T	
ABST	02	0528	0533	0535D	N19	W55	.856	15967	28.1	7D	-N	P	0533	96	1.8	DJ	
141 ABST	02	0606	0617	0649	N20	W53	.842	15967	28.3	43	-F	C	0617	87	1.7	DJK Y5	
GRP74142	02	0609+4	0615+1	0627	S31	W25	.584	15968	30.4	18	-F			50	.6	DJ	
CULG	02	0609	0616	0625	S31	W25	.584	15968	30.4	16	-F	C	0616	30	.4		
ABST	02	0613	0615	0629	S31	W25	.584	15968	30.4	16	-F	C	0615	70	.9	DJ	
GRP74143	02	0612	0613+1 0621	0631	N13	E06	.311	15974	2.7	19	-F					JV	
ABST	02	0612	0613	0616	N12	E05	.290	15974	2.6	4	-F	C	0613	87	.9	DJV	
ABST	02	0613	0614	0624	N12	E09	.316	15974	2.9	11	-F	C	0614	87	.9	DJV	
ABST	02	0617	0621	0631	N15	E05	.337	15974	2.6	14	-F	C	0621	79	.9	DJ	
144 ABST	02	0641	0646	0649D	N15	E05	.337	15974	2.7	8D	-F	P	0646	140	1.5	EJ Y5	
GRP74145	02	0717+9	0719 0800	0816	N19	W53	.839	15967	28.3	59	-F					DJK	
ABST	02	0717	0719	0823	N19	W54	.847	15967	28.3	66	-F	C	0719	87	1.6	DJK	
KAND	02	0748	0800	0808	N19	W53	.839	15967	28.4	20	-N	C		62	1.2	D	
146 ABST	02	0728	0729	0731	N13	E13	.365	15974	3.3	3	-F	C	0729	87	1.0	DJV Y5	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
147 KAND	02	0915	0921	0938	N10	E08	.279	15974	3.0	23	-N	C		94	1.0	E	Y5
148 CATA	02	0930	0940	0940D	N15	H05	.337	15974	2.0	10D	-N	2 P	0940	67	.7		Y5
149 KHAR	02	0948E		1000D	N13	E10	.338	15974	3.2	12D	-F	V	0950				Y5
	02	1000	1005	NO FLARE PATROL													
150 KHAR	02	1030E		1043D	N23	H53	.851	15967	28.5	13D	-F	P	1037	65	1.3		Y5
151 MONT	02	1150	1152	1207	N15	E01	.327	15974	2.6	17	-F	C	1152	50		E	Y5
GRP74152	02	1210+5	1212	1237	N11	E08	.293	15974	3.1	27	1N			210	2.2		OH
			1220+1														
MONT	02	1210	1221	1227D	N11	E07	.286	15974	3.0	17D	1N	C	1221	250			
KHAR	02	1210E		1224D	N13	E10	.338	15974	3.3	14D	1F	P	1217				H
LVOV	02	1210	1212	1233	N10	E08	.279	15974	3.1	23	1N	C	1212	200	2.2		D
CATA	02	1215	1220	1240	N11	E08	.293	15974	3.1	25	-N	2 C	1220	168	1.8		
GRP74153	02	1246+0	1247+0	1257	N18	H52	.827	15967	28.6	11	-F			40	.7		E
MONT	02	1246E	1247	1300	N19	H55	.856	15967	28.4	14D	-F	C	1247	50			E
RAMY	02	1246	1247	1253	N17	H50	.806	15967	28.8	7	-N	3 C		33			
154 MONT	02	1248	1250	1301	S29	H32	.633	15968	30.1	13	-N	C	1250	70		E	Y5
155 RAMY	02	1309	1312	1317	N17	H51	.815	15967	28.7	8	-N	3 C		27			Y5
156 RAMY	02	1530	1533	1536	N17	H52	.824	15967	28.7	6	-N	3 C		78			Y5
GRP74157	02	1547+2	1555+0	1617	N17	H55	.850	15967	28.5	30	18			130	2.4		F
			1602														
BIGB	02	1547	1555	1617	N17	H57	.867	15967	28.4	30	1N	2 C	1555	120	2.2		
RAMY	02	1549	1555	1610	N17	H52	.824	15967	28.8	21	-B	3 C		137			
HOLL	02	1558E	1602U	1630D	N19	H55	.856	15967	28.5	32D	-B	2 C		90			F
GRP74158	02	1649+3	1652	1708	S25	H35	.637	15968	30.1	19	-N						
HOLL	02	1649	1652	1702	S23	H36	.637	15968	30.0	13	-H	3 C		28			
BIGB	02	1652		1714	S27	H34	.639	15968	30.2	22	-N	1 C	1652	150	1.8		
GRP74159	02	1651	1659+0	1759	N20	H55	.858	15967	28.6	68	2B			450	8.7		UZ
HOLL	02	1651	1659	1759	N23	H56	.867	15967	28.6	68	2B	3 C		390			UDE
RAMY	02	1659E	1659	1800	N20	H54	.850	15967	28.7	61D	2B	3 C		546			Z F
BIGB	02	1700E	1700	1759	N18	H55	.853	15967	28.6	59D	2N	2	1700	450	8.0		
GRP74160	02	1859+1	1903+1	1920	N20	H57	.874	15967	28.5	21	-N			40	.8		
MCMA	02	1859	1903	1920	N20	H58	.881	15967	28.4	21	-N	C	1903	50	1.1	E	
HOLL	02	1900	1904	1920	N20	H57	.874	15967	28.5	20	-B	3 C		33			F
GRP74161	02	1925+0	1925+3	1932	N13	E02	.296	15974	3.0	7	-N						
HOLL	02	1925	1928	1934	N14	E01	.311	15974	2.9	9	-N	3 C		20			F
MCMA	02	1925	1925	1930	N13	E03	.298	15974	3.0	5	-B	C	1925	40	.4		E
BIGB	02	1925	1926	1926D	N13	E02	.296	15974	3.0	1D	-F	1	1926	100	1.0		
162 MCMA	02	1942	1945	1955	N20	H58	.881	15967	28.5	13	-F	C	1945	40	.9	E	Y5
163 MCMA	02	2041E		2057D	N20	H58	.881	15967	28.5	16D	-F	C	2045	40	.9	E	Y5
GRP74164	02	2251	2254	2312	N20	H52	.833	15967	29.1	21	-N						E
CULG	02	2251	2254	2313	N21	H53	.845	15967	29.0	22	1N	C	2254	110	2.0		
VORO	02	2258E		2310	N20	H52	.833	15967	29.1	12D	-N	C	2258	81	1.4		CE
GRP74165	02	2327+6	2333	2358	N20	H60	.896	15967	28.5	31	-F						E
			2343														
CULG	02	2327	2352	0005	N20	H60	.896	15967	28.5	38	-F	C	2352	30	.6		
VORO	02	2333	2333	2336	N20	H60	.896	15967	28.5	3	-N	C	2333	27	.5		D
VORO	02	2341	2343	2351	N20	H61	.903	15967	28.4	10	-N	C	2343	54			E
GRP74166	03	0052+1	0057+0	0104	N20	H61	.903	15967	28.5	12	-N			40	.9		D
CULG	03	0052	0057	0107	N21	H61	.904	15967	28.5	15	-N	C	0057	30	.7		T
VORO	03	0053	0057	0101	N20	H61	.903	15967	28.5	8	-B	C	0057	45			D
167 CULG	03	0110	0115	0130	N17	H17	.452	15974	1.8	20	-F	* C	0115	30	.3		Y5

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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.											
GRP74168	03	0115>9	0132 0140+2	0153	N20	H61	.903	15967	28.5	38	-N			40	.9	DK	
CULG	03	0115	0142	0157	N21	H61	.904	15967	28.5	42	-N	C	0142	70	1.6	T	
VORO	03	0129	0132	0148	N20	H62	.909	15967	28.4	19	-N	C	0132	45		OK	
MANI	03	0138	0140	0147D	N19	H61	.901	15967	28.5	90	-N	3 C		30			
MANI	03	0141E	0141J	0148D	N20	H61	.903	15967	28.5	70	-N	3 V		30			
GRP74169	03	0120+7	0129+4	0230	N10	H03	.247	15974	2.8	70	2N			540	5.5	FJV	
CULG	03	0046	0130	0317	N10	H03	.247	15974	2.8	151	2N	* C	0130	750	7.8	V	
MITK	03	0120	0129	0220	N10	H03	.247	15974	2.8	60	1N	* C	0129	400	4.3	EF	
VORO	03	0126	0133	0230	N09	H02	.227	15974	2.9	64	2F	* C	0133	627	6.6	FJ	
MANI	03	0127	0130	0147D	N10	H04	.251	15974	2.8	200	1B	* C		210		F	
MANI	03	0128E	0130	0148D	N12	H04	.284	15974	2.8	200	-B	* C		180		F	
GRP74170	03	0151	0157+5 0217	0311	N19	H15	.459	15974	2.0	80	-N						
CULG	03	0151	0202	0311	N22	H18	.521	15974	1.7	80	-F	C	0202	40	.4		
CULG	03	0151	0157	0210	N17	H17	.452	15974	1.8	19	-N	* C	0157	90	1.0		
CULG	03	0209	0217	0240	N18	H10	.408	15974	2.3	31	-N	* C	0217	60	.7		
171 CULG	03	0241	0245	0252	N31	H41	.793	0	30.0	11	-F	C	0245	70	1.2	G Y5	
172 CULG	03	0313	0315	0321	S23	E51	.796	15982	7.0	8	-F	C	0315	20	.3	Y5	
173 CULG	03	0327	0334	0347	N21	H62	.911	15967	28.5	20	-N	C	0334	40	.9	T Y5	
174 CULG	03	0333	0352	0407	S31	H30	.630	15968	30.9	34	-F	C	0352	20	.3	Y5	
175 ABST	03	0501E	0504	0651	N19	H65	.927	15967	28.3	1100	?F	P	0504	96		DJ Y5	
		IMP.1 NO :	MITK	TACH													
176 CULG	03	0521E	0530	0540	N31	H42	.800	0	30.1	190	-F	C	0530	60	1.0	G Y5	
177 ABST	03	0613	0615	0620	N15	H03	.329	15974	3.0	7	-F	C	0615	87	.9	DJ Y5	
178 ABST	03	0657	0659	0702	N14	H04	.316	15974	3.0	5	-F	C	0659	87	.9	DJ Y5	
GRP74179	03	0701+4	0708	0721	N19	H67	.938	15967	28.3	20	-N					DJK	
ABST	03	0701	0708	0727	N19	H70	.954	15967	28.0	26	1N	* C	0708	87		DJK	
ISTA	03	0705		0715	N19	H65	.927	15967	28.4	10	-N	* C				D	
GRP74180	03	0702>9	0717+1	0730	S25	E90	1.000	15987	10.0	28	-N			50		AD	
HTPR	03	0702	0717	0730	S25	E90	1.000	15987	10.0	28	-F	C	0717	40		A	
ISTA	03	0710		0730	S25	E90	1.000	15987	10.0	20	-B					A	
ABST	03	0715	0718	0725	S28	E90	.999	15987	10.1	10	1N	C	0718	61		AD	
181 KHAR	03	0900E	0903	0915D	N17	E88	1.000	15990	10.0	150	-F	V	0902			Y5	
182 KHAR	03	1232E		1239D	N13	H08	.322	15974	2.9	70	-F	P	1232			Y5	
GRP74183	03	1406>9	1418+5	1450	S24	E52	.808	15982	7.5	44	-N						
HTPR	03	1406	1423	1450	S24	E52	.808	15982	7.5	44	-F	C	1423	40	.6	E	
BIGB	03	1418E	1418J	1512	S24	E53	.817	15982	7.6	540	-N	2 P	1418	70	1.2		
HOLL	03	1418	1418	1426	S25	E45	.744	15982	7.0	8	-N	3 C		17		F	
184 HUAN	03	1500	1502	1507	N18	H59	.884	15967	29.2	7	-N	1 C	1502	20	.4	E Y5	
185 RAMY	03	1720	1730	1735	N19	H70	.954	15967	28.5	15	-B	3 C		37		Y5	
GRP74186	03	1738+0	1739+1	1745	S25	E47	.763	15982	7.3	7	-F			50	.8		
BIGB	03	1738	1739	1747	S25	E43	.723	15982	7.0	9	-N	2 C	1739	70	1.0		
HTPR	03	1738	1740	1742	S25	E51	.801	15982	7.6	4	-F	C	1740	40	.5		
187 RAMY	03	1811	1814	1816	N19	H70	.954	15967	28.5	5	-N	3 C		22		Y5	
GRP74188	03	2002	2007+1	2039	N14	H19	.439	15974	2.4	37	-N						
BIGB	03	2002	2008	2021	N11	H17	.384	15974	2.6	19	-N	2 C	2008	50	.5		
BIGB	03	2003	2007	2039	N17	H21	.493	15974	2.3	36	-N	2 C	2007	40	.4		
189 BIGB	03	2043	2048	2057	N11	H07	.285	15974	3.3	14	-N	2 C	2048	50	.5	Y5	
190 BIGB	03	2122	2137	2143	N10	H10	.295	15974	3.1	21	-N	2 C	2137	20	.2	Y5	
191 BIGB	03	2244	2245	2302	N18	H10	.295	15974	3.2	18	-N	1 C	2245	30	.3	Y5	
192 BIGB	04	0041	0043	0050	N17	H75	.974	15967	28.4	9	-F	2 C	0043	30		Y5	
193 MITK	04	0237E		0258	N11	H10	.307	15974	3.4	210	-F	C	0237			Y5	

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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.											
	04	0402	0404	NO FLARE PATROL													
194 MITK	04	0410	0412	0420	N11	W17	.383	15974	2.9	10	-N	C	0412			E	Y5
SRP74195	04	0457E	0500	0550D	N12	W15	.371	15974	3.1	53	?N					EJ	
		IMP.1 NO TAC-1															
ABST	04	0457E	0505	0550D	N11	W11	.317	15974	3.4	530	1N	P	0505	297	3.2	EJ	
ABST	04	0457E	0508	0514	N14	W16	.405	15974	3.0	170	-N	P	0500	87	1.0	DJ	
ABST	04	0457E	0505	0536	N11	W18	.395	15974	2.9	390	1N	P	0505	192	2.2	DJ	
GRP74196	04	0555+0	0556+1	0610	N13	W17	.405	15974	3.0	15	-N			50	.5	E	
KHAR	04	0555E	0556	0608D	N14	W17	.416	15974	3.0	130	-N	P	0556	50	.6		
HTPR	04	0555	0557	0610	N13	W18	.416	15974	2.9	15	-N	C	0557	50	.5		
GRP74197	04	0613E		0658	N14	W30	.569	15974	2.0	45	-F					EJ	
KAND	04	0613E		0648	N13	W30	.563	15974	2.0	350	-F	C		83	1.1	E	
KHAR	04	0617E		0627D	N16	W30	.584	15974	2.0	100	-F	P				D	
ABST	04	0621E	0621	0704D	N15	W28	.553	15974	2.2	430	1F	P	0621	253	3.1	BEJ	
ABST	04	0703E	0703	0708	N13	W21	.451	15974	2.7	50	-F	P	0703	52	.6	DJ	
GRP74198	04	0635E	0638	0756D	N12	W13	.350	15974	3.3	81	-N					J	
			0655														
ABST	04	0635E	0655	0756D	N11	W13	.337	15974	3.3	810	1N	P	0655	306	3.4	FJ	
KHAR	04	0636E	0638	0720D	N14	W13	.375	15974	3.3	440	-F	P				D	
199 KAND	04	0837		0844	N18	W85	.998	15967	28.0	7	-N	C					Y5
GRP74200	04	0839E	0848	1004	N10	W16	.361	15974	3.2	85	-N					EHJ	
			0900+4														
ABST	04	0839E	0848	1004D	N10	W15	.348	15974	3.2	850	-N	P	0848	114	1.3	DJ	
KHAR	04	0859E	0900	0914D	N11	W15	.360	15974	3.2	150	-F	P	0859			HT	
KAND	04	0900	0904	0917	N10	W14	.337	15974	3.3	17	-N	C		104	1.2	E	
KHAR	04	0930E	0930	0933D	N11	W19	.408	15974	3.0	30	-F	P				D	
ABST	04	0937E	0938	0958	N11	W18	.395	15974	3.1	210	-F	P	0938	87	1.0	DJ	
KHAR	04	0948E	0948	0958D	N11	W19	.408	15974	3.0	100	-F	P	0948			D	
KHAR	04	0953E	0956	1015D	N11	W14	.348	15974	3.4	220	-F	P	0956			HT	
201 KAND	04	0933	0937	0945	N18	W85	.998	15967	28.0	12	-N	C					Y5
GRP74202	04	1016+9	1024	1047	N11	W14	.348	15974	3.4	31	-N			110	1.2	EH	
			1031+1														
KANZ	04	1016	1024	1040	N13	W15	.383	15974	3.3	24	-N	2				F	
KAND	04	1024	1031	1047	N10	W14	.337	15974	3.4	23	-F	C		83	.9	E	
KHAR	04	1025E		1030D	N11	W16	.371	15974	3.2	50	-F	P	1025			EHT	
MONT	04	1029	1032	1049	N11	W13	.337	15974	3.5	20	-N	C	1032	150			
GRP74203	04	1110	1117	1129	N10	W15	.348	15974	3.3	19	-F						
KAND	04	1110	1117	1125	N10	W14	.337	15974	3.4	15	-F	C					
KHAR	04	1125E		1133D	N11	W16	.371	15974	3.3	80	-F	P				T	
204 KAND	04	1202	1221	1233	N10	W14	.337	15974	3.5	31	-F	C				E	Y5
205 KAND	04	1259	1302	1305	N17	W29	.580	15974	2.4	6	-N	C		52	.7	D	Y5
206 KAND	04	1320		1345D	N18	W85	.998	15967	28.2	250	-F	C					Y5
207 KANZ	04	1346	1357	1404	N18	W80	.990	15967	28.6	18	-N	2					Y5
208 KANZ	04	1404		1418	N22	E81	.993	15990	10.7	14	-F	2				D	Y5
GRP74209	04	1458+0	1459	1502	N21	E83	.996	15990	10.8	4	-F					E	
HUAN	04	1458	1459	1501	N21	E85	.998	15990	11.0	3	-F	1	C	1459	30		E
KANZ	04	1458		1502	N22	E81	.993	15990	10.7	4	-F	2					
210 KANZ	04	1627	1631	1635	N08	W75	.969	0	29.1	8	-F	1					Y5
GRP74211	04	1738+8	1740	1753	S24	E30	.577	15982	7.0	15	-F						
			1747														
HTPR	04	1738	1740	1753	S25	E30	.584	15982	7.0	15	-F	C	1740	20	.2		
HOLL	04	1746	1747	1752	S24	E31	.588	15982	7.1	6	-N	3	C		32		
GRP74212	04	1940+1	1942+1	1952	N26	E64	.932	15990	9.6	12	-N				30		D
HOLL	04	1940	1942	1952	N24	E62	.916	15990	9.5	12	-N	3	C		38		
HUAN	04	1941	1943	1952D	N29	E66	.947	15990	9.8	110	-N	1	P	1943	20		D

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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.												
213 HUAN	04	1947		1952D	N21	E78	.986	15990	10.7	50	-F	1	P				D	Y5
214 BIGB	04	2005	2018	2030	N11	W20	.420	15974	3.3	25	-F	3	C	2018	120	1.3		Y5
215 BIGB	04	2020	2023	2042	N21	W37	.694	15974	2.1	22	-F	3	C	2023	30	.4		Y5
GRP74216	04	2030+1	2034+1	2048	N25	E62	.918	15990	9.5	18	-N							
BIGB	04	2030	2034	2047	N25	E63	.924	15990	9.6	17	-F	3	C	2034	30	.7		
HOLL	04	2031	2035	2048	N25	E62	.918	15990	9.5	17	-B	3	C		80			DE
GRP74217	04	2133+0	2134+1	2145	S29	E73	.958	15987	10.4	12	-N				60			
HOLL	04	2133	2135	2147	S31	E71	.950	15987	10.2	14	-B	3	C		79			DE
BIGB	04	2133	2134	2143	S28	E75	.966	15987	10.5	10	-F	2	C	2134	50			
	05	0210	0219	NO FLARE PATROL														
218 KHAR	05	0625E	0627	0639D	N11	W27	.510	15974	3.2	140	-F		P					Y5
GRP74219	05	0625+0	0631+1	0655	N24	E58	.890	15990	9.6	30	-F							D
KHAR	05	0625E	0632	0645D	N25	E60	.906	15990	9.8	200	-F		P					D
HTPR	05	0625	0631	0655	N24	E57	.883	15990	9.5	30	-F		C	0631	20	.3		
220 KHAR	05	0707E		0742D	N24	E59	.897	15990	9.7	350	?F		P	0719	100	2.5		Y5
	IMP.1	NO	HTPR	KIEV	MITK	MANI												
GRP74221	05	0810+4	0821+1	0829	N09	E88	1.000	15992	11.9	19	-N							AH
ISTA	05	0810		0825	N11	E90	1.000	15992	12.1	15	-B	7						A
KAND	05	0814	0822	0829	N09	E87	.999	15992	11.9	15	-N		C					
KHAR	05	0814E	0821	0829D	N07	E88	1.000	15992	11.9	15D	-F		P	0815				H
222 ISTA	05	0820		0845	N22	E70	.957	15990	10.6	25	-B							D
223 KHAR	05	0852E	0855	0913D	N22	E72	.965	15990	10.8	21D	-F		P					Y5
224 HTPR	05	1305	1306	1309	S24	E57	.852	15987	9.8	4	-F		C	1306	20	.4		Y5
225 RAMY	05	1532	1533	1534	N21	E65	.929	15990	10.5	2	-N	3	C		18			Y5
226 HOLL	05	1537	1540	1548	N22	E65	.930	15990	10.5	11	-N	3	C		12			Y5
GRP74227	05	1718+0	1719+2	1726	N25	E50	.833	15990	9.5	8	-N				20	.4		
RAMY	05	1718	1719	1723	N26	E50	.837	15990	9.5	5	-N	3	C		21			
HOLL	05	1718	1721	1729	N25	E50	.833	15990	9.5	11	-N	3	C		16			
GRP74228	05	1739+1	1740+1	1744	N16	W49	.792	15974	2.1	5	-N				30	.5		
HOLL	05	1739	1740	1756	N16	W50	.801	15974	2.0	17	-B	3	C		40			DE
PALE	05	1740	1741	1744	N18	W49	.798	15974	2.1	4	-N	2	C		28			DE
RAMY	05	1740	1740	1744	N16	W44	.741	15974	2.4	4	-N	3	C		27			
229 RAMY	05	1855	1857	1901	N21	E63	.917	15990	10.5	6	-N	3	C		20			Y5
230 BIGB	05	2013	2014	2023	N11	W47	.755	15974	2.3	10	-F	3	C	2014	20	.3		Y5
GRP74231	05	2029+0	2031+1	2044	N17	W52	.823	15974	2.0	15	-N							E
HOLL	05	2029	2032	2043	N16	W52	.820	15974	2.0	14	-B	3	C		136			DE
BIGB	05	2029	2031	2045	N17	W50	.804	15974	2.1	16	1N	3	C	2031	220	3.5		
HUAN	05	2035E		2044D	N17	W52	.823	15974	2.0	9D	-N	1	P	2035	60	1.1		GE
GRP74232	05	2255+4	2305+1	2323	N24	E46	.795	15990	9.4	28	-N				60	1.0		F
HOLL	05	2255	2306	2330	N23	E46	.791	15990	9.4	35	-B	3	C		73			F
MANI	05	2259	2305	2315	N25	E46	.800	15990	9.4	16	-N	2	C		60			
233 KHAR	06	0855E	0855	0900D	N42	W85	1.000	15993	30.0	50	-F		P	0858	50			Y5
234 KHAR	06	0920E		0922D	N15	W56	.853	15974	2.2	2D	-F		V	0921				D
GRP74235	06	0935E	0936	0953D	N14	W49	.785	15974	2.7	18	-F							DH
KHAR	06	0935E	0936	0940D	N15	W51	.807	15974	2.6	5D	-F		P	0936				D
KHAR	06	0942E		0953D	N13	W47	.761	15974	2.9	11D	-F		V	0942				COH
GRP74236	06	0945+8	0957+3	1008	S26	E08	.401	15982	7.0	23	-N				60	.7		E
HTPR	06	0945	1000	1008	S26	E08	.401	15982	7.0	23	-F		C	1000	60	.7		E
KANZ	06	0953	0957	1004	S26	E08	.401	15982	7.0	11	-N	3						E
KHAR	06	0954E		1008D	S26	E05	.388	15982	6.8	14D	-N		P	1000	65	.7		E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	NER. DIST.											
GRP74237	06	1000E		1003D	N17	W56	.857	15974	2.2	8	-F						D
KHAR	06	1000E		1000D	N17	W54	.840	15974	2.4		-F	P	1000	35	.6		D
KHAR	06	1002E		1038D	N18	W58	.876	15974	2.1	60	-F	V	1003				
238 HTPR	06	1047	1050	1055	N25	E42	.764	15990	9.6	8	-F	C	1050	10	.1		Y5
GRP74239	06	1120+6	1122+4	1131	N24	E40	.740	15990	9.5	11	-F			20	.3		
KANZ	06	1120	1123	1131	N26	E40	.752	15990	9.5	11	-N	3					E
HTPR	06	1120	1124	1138	N25	E42	.764	15990	9.6	18	-F	C	1124	20	.3		D
KHAR	06	1122E	1122	1129D	N24	E41	.749	15990	9.5	70	-F	P					
RAMY	06	1126	1126	1130	N24	E40	.740	15990	9.5	4	-N	3	C	22			
240 KANZ	06	1142	1150	1154	N43	W90	1.001	15993	29.7	12	-N	3					Y5
241 RAMY	06	1148	1148	1155	N21	E54	.851	15990	10.5	7	-N	3	C	17			Y5
242 RAMY	06	1203	1205	1206	N21	E54	.851	15990	10.6	3	-N	3	C	16			Y5
243 KHAR	06	1242E		1245D	N13	W49	.782	15974	2.9	30	-F	P					D Y5
244 KHAR	06	1309E	1309	1322D	N18	E49	.798	15990	10.2	13D	-F	P					D Y5
245 KHAR	06	1309E		1335D	N13	W49	.782	15974	2.9	26D	-F	P					D Y5
GRP74246	06	1505+2	1506+2	1511	N20	E54	.848	15990	10.7	6	-N			20	.4		
BIGB	06	1505	1506	1511	N20	E54	.848	15990	10.7	6	-N	2	C	1506	60	1.1	
HOLL	06	1506	1507	1511	N21	E53	.843	15990	10.6	5	-N	3	C		18		
HTPR	06	1507	1508	1514	N20	E54	.848	15990	10.7	7	-F	C	1508	20	.3		
GRP74247	06	1555+0	1556+5	1611	N12	W50	.789	15974	2.9	16	-B			40	.6		F
HOLL	06	1555	1556	1611	N12	W50	.789	15974	2.9	16	-B	3	C		33		F
RAMY	06	1555	1558	1659	N12	W49	.779	15974	3.0	64	-B	3	C		37		
BIGB	06	1555	1601	1609	N10	W50	.784	15974	2.9	14	-N	2	C	1601	100	1.6	
GRP74248	06	1614+2	1616+1	1631	N12	W48	.768	15974	3.1	17	-N			60	.9		E
HOLL	06	1614	1616	1632	N12	W46	.747	15974	3.2	18	-B	3	C		68		
HTPR	06	1615	1616	1625	N12	W48	.768	15974	3.1	10	-F	C	1616	40	.6		E
BIGB	06	1616	1617	1631	N11	W48	.766	15974	3.1	15	-N	2	C	1617	60	.9	
GRP74249	06	1639+1	1643+2	1658	N12	W48	.768	15974	3.1	19	-N			50	.8		D
HOLL	06	1639	1644	1658	N12	W46	.747	15974	3.2	19	-B	3	C		61		
HTPR	06	1640	1645	1655	N12	W49	.779	15974	3.0	15	-F	C	1645	40	.6		
BIGB	06	1640	1643	1703	N11	W48	.766	15974	3.1	20	-N	2	C	1643	70	1.1	
MCMA	06	1644E		1654D	N12	W48	.768	15974	3.1	10D	-N	P	1644	30	.5		D
GRP74250	06	1644+7	1647+2	1720	N21	E49	.809	15990	10.4	36	-N			80	1.3		E
			1655+7														
RAMY	06	1644	1647	1725	N21	E51	.826	15990	10.5	41	-N	3	C		30		
MCMA	06	1644E	1702	1729D	N21	E47	.791	15990	10.2	45D	-N	C	1702	80	1.4		E
HOLL	06	1645	1649	1708	N21	E51	.826	15990	10.5	23	-B	3	C		20		
HTPR	06	1650	1655	1710	N22	E50	.821	15990	10.5	20	-N	C	1655	20	.3		E
BIGB	06	1651	1659	1725	N21	E47	.791	15990	10.2	34	-N	2	C	1659	80	1.2	
GRP74251	06	1746+2	1748+1	1801	N24	E37	.712	15990	9.5	15	-N			30	.4		D
MCMA	06	1746	1749	1757D	N24	E36	.703	15990	9.4	11D	-F	C	1749	30	.4		D
HOLL	06	1748	1748	1801	N24	E37	.712	15990	9.5	13	-N	3	C		27		
RAMY	06	1748	1748	1800	N24	E37	.712	15990	9.5	12	-N	3	C		22		
252 RAMY	06	1859	1902	1906	N24	E36	.703	15990	9.5	7	-N	3	C	27			Y5
GRP74253	06	1929+9	1947	2105	N22	E46	.786	15990	10.3	96	-N						
			2013														
RAMY	06	1929	1947	2050D	N21	E50	.818	15990	10.6	81D	-B	3	C		73		F
HOLL	06	1948	2013	2019	N24	E35	.693	15990	9.5	31	-N	3	C		26		DE
BIGB	06	2028E	2028	2120	N25	E46	.799	15990	10.3	52D	-N	1	P	2028	50	.7	
BIGB	06	2031	2043	2128	N18	E46	.769	15990	10.3	57	-N	2	C	2043	130	1.9	
254 RAMY	06	2025	2028	2036	N12	W48	.768	15974	3.3	11	-N	3	C		25		Y5
255 BIGB	06	2045	2056	2115	N35	W90	1.001	15993	30.1	30	-N	2	C	2056	30		Y5
256 VORO	06	2206	2207	2215	N26	W90	1.000	15971	30.2	9	-N	C	2207	27		E	Y5
GRP74257	06	2229+1	2231+1	2240	N13	W56	.848	15974	2.7	11	-N			35	.7		D
VORO	06	2229	2232	224J	N14	W56	.850	15974	2.7	11	-N			45	.8		D
BIGB	06	2230	2231	2243	N13	W56	.848	15974	2.7	10	-N	2	C	2231	20	.4	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg	
					LAT.	MER. DIST.											
258 VORO	06	2312	2313	2320	N26	W60	.907	15976	2.5	8	-B	C	2313	45	1.0	D	Y5
GRP74259	06	2335+0	2336+4	2353	N24	E34	.684	15990	9.5	18	1B			200	2.7	E	
BIGB	06	2335	2336	2351	N24	E34	.684	15990	9.5	16	-B	2 C	2336	150	1.9		
HANI	06	2335	2340	2353	N24	E34	.684	15990	9.5	18	-B	3 C		140			
VORO	06	2335	2336	2353	N24	E33	.674	15990	9.5	18	1B	C	2336	242	3.3	E	
CULG	06	2336U	2336	0017	N24	E34	.684	15990	9.5	41D	1B	C	2336	260	3.6		
260 CULG	06	2337	2338	2343	N23	E52	.841	15990	10.9	6	-F	C	2338	40	.8		Y5
261 CULG	07	0044	0057	0112	N20	E65	.927	15994	11.9	28	-F	P	0057	20	.5		Y5
262 HTPR	07	0536	0539	0545	S33	E80	.984	15997	13.2	9	-F	C	0539	10	.2		Y5
263 KHAR	07	0800E		0810D	N43	W90	1.001	15993	30.6	100	-N	P	0803			H	Y5
264 KHAR	07	0901E		0907D	S01	E67	.920	15995	12.4	60	-F	V				D	Y5
GRP74265	07	0906	0914	0958	N26	W62	.919	15976	2.7	52	1N						
ZURI	07	0906	0914	0958	N26	W64	.931	15976	2.6	52	1N	C	0914	220			
KHAR	07	0924E	0924	0936D	N27	W61	.915	15976	2.8	120	1F	V	0924				
GRP74266	07	0915+7	0923+3	0948	S33	E77	.975	15997	13.2	33	-N			30			
HTPR	07	0915	0923	1000	S33	E78	.978	15997	13.2	45	-N	C	0923	20	.4		
ZURI	07	0922	0926	0936	S33	E76	.972	15997	13.1	14	-N	C	0926	40			
267 RAMY	07	1102	1110	1119	N12	W56	.846	15974	3.3	17	-N	3 C		35			Y5
GRP74268	07	1130	1130	1140	S24	W90	1.000	15968	30.7	10	-F						
CATA	07	1130	1130	1140	S25	W90	1.000	15968	30.7	10	-F	2 C	1130	28			
CATA	07	1130	1130	1140	S23	W90	1.000	15968	30.7	10	-F	2 C	1130	28			
GRP74269	07	1231+1	1232+4	1245	N11	W59	.870	15974	3.1	14	-N			60	1.2	E	
MCMA	07	1231	1235	1246	N09	W59	.867	15974	3.1	15	-N	C	1235	60	1.2	E	
RAMY	07	1232	1232	1245	N13	W59	.873	15974	3.1	13	-N	3 C		53			
ZURI	07	1234E	1236	1242	N11	W58	.862	15974	3.2	80	1F	P	1236	220	4.4		
GRP74270	07	1236+6	1242+4	1256D	N25	E26	.617	15990	9.5	20	-N			50	.6	D	
MCMA	07	1236	1242	1410	N26	E25	.619	15990	9.4	94	-N	C	1242	30	.4	D	
ZURI	07	1242	1246	1256	N25	E27	.626	15990	9.6	14	-N	C	1246	70	.9		
GRP74271	07	1324+1	1326+0	1331	N12	W59	.872	15974	3.1	7	-N						
ZURI	07	1324	1326	1328D	N11	W58	.862	15974	3.2	40	1N	P	1326	100.	3.6		
RAMY	07	1325	1326	1331	N13	W60	.881	15974	3.1	6	-N	3 C		55			
GRP74272	07	1436+2	1438+4	1445	N25	W69	.955	15976	2.4	9	-N			50		D	
MCMA	07	1436	1438	1445	N26	W70	.960	15976	2.4	9	-N	C	1438	25	1.0	D	
ZURI	07	1438	1442	1444	N26	W67	.946	15976	2.6	6	-N	C	1442	110			
HOLL	07	1440E	1442J	1503	N25	W68	.950	15976	2.5	230	-N	1 C		70			
BIGB	07	1442E	1442	1445	N25	W70	.959	15976	2.4	30	-N	1 P	1442	30			
GRP74273	07	1454+4	1500+2	1524	N24	E26	.608	15990	9.6	30	-B			35	.4		
MCMA	07	1454	1500	1500D	N26	E25	.619	15990	9.5	560	-B	C	1500	20	.3	D	
BIGB	07	1455	1500	1500D	N25	E26	.617	15990	9.6	50	-N	1 P	1500	40	.5		
ZURI	07	1456	1500	1510D	N25	E26	.617	15990	9.6	140	-B	P	1500	150	2.0		
HTPR	07	1457		1514D	N24	E26	.608	15990	9.6	170	-N	C	1500	30	.3	E	
HOLL	07	1458	1502	1524	N24	E25	.599	15990	9.5	26	-B	3 C		29			
RAMY	07	1458	1500	1518	N24	E26	.608	15990	9.6	20	-B	3 C		41			
274 BIGB	07	1651	1655	1708	N06	E69	.937	15995	12.9	17	-F	2 C	1655	30			Y5
275 BIGB	07	1744	1754	1829	S34	E62	.906	15997	12.4	45	-N	2 C	1754	20	.4	G	Y5
GRP74276	07	1835+4	1838+1	1848	N19	E34	.647	15990	10.3	13	-N			50	.7	E	
MCMA	07	1835	1838	1850	N19	E34	.647	15990	10.3	15	-N	C	1838	60	.8	E	
RAMY	07	1836	1839	1848	N18	E30	.646	15990	10.0	12	-N	3 C		49			
HOLL	07	1839	1839	1846	N21	E37	.692	15990	10.6	7	-N	3 C		42			
GRP74277	07	1935+2	1937+1	1945	N26	W68	.951	15976	2.7	10	-N			20		D	
RAMY	07	1935	1937	1941	N25	W67	.945	15976	2.8	6	-N	3 C		15			
MCMA	07	1936E	1938	1945	N26	W70	.960	15976	2.6	90	-N	C	1938	25	1.0	D	
HOLL	07	1937	1938	1949	N26	W68	.951	15976	2.7	12	-N	3 C		14			
278 RAMY	07	1944	1945J	1945D	N19	E32	.626	15990	10.2	10	-B	3 C		31			Y5
	07	2143	2155	NO FLARE PATROL													



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP. DAY			CONG	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
279 CULG	07	2155E	2155E	2201	N28	H78	.988	15971	2.1	6D	-F	P	2155	20		Y5	
280 CULG	07	2155E	2209	2216	N05	E65	.910	15995	12.8	21D	-F	* P	2209	20	.5	Y5	
GRP74281	08	0046	0048+3	0103	N24	E19	.546	15990	9.5	17	-B						
VORO	08	0046	0048	0102	N24	E19	.546	15990	9.5	16	-B	C	0048	143	1.7		
HANI	08	0050E	0051	0104	N24	E20	.554	15990	9.5	14D	-B	3 C		30			
282 ABST	08	0719	0722	0725	N16	E59	.879	15999	12.7	6	-F	C	0722	87	1.7	DJ Y5	
283 MONT	08	0818	0821	0832	N12	H70	.947	15974	3.1	14	-N	C	0821	70		Y5	
284 MONT	08	0828	0829	0835	N05	E49	.762	15992	12.0	7	-N	C	0829	50		Y5	
285 ZURI	08	0915	0919	0927	N12	H69	.941	15974	3.2	12	-N	C	0919	40		Y5	
286 ZURI	08	1151	1205	1229	N06	E57	.845	15995	12.8	38	-F	C	1205	80	1.5	Y5	
GRP74287	08	1321+9	1337+2	1350	N06	E56	.836	15995	12.8	29	-F			70	1.3	E	
MCMA	08	1321E	1337	1355D	N06	E56	.836	15995	12.8	34D	-N	C	1337	50	.9	E	
ZURI	08	1335	1339	1345	N06	E56	.836	15995	12.8	10	-F	C	1339	100	1.9		
GRP74288	08	1341+9	1358	1431	N20	E23	.538	15990	10.3	50	-N					E	
MCMA	08	1341	1405	1448	N20	E21	.519	15990	10.1	67	-N	* C	1405	100	1.2	E	
RAMY	08	1356	1358	1431	N21	E27	.588	15990	10.6	35	-N	* C		52			
ZURI	08	1419	1423	1429	N19	E23	.528	15990	10.3	10	-F	* C	1423	120	1.5		
289 MCMA	08	1342	1357	1412	S15	E68	.926	16001	13.7	30	-F	C	1357	60	1.6	E Y5	
GRP74290	08	1425+2	1427+2	1436	N14	H73	.963	15974	3.1	11	-N			35		DHV	
HTPR	08	1425	1427	1429	N14	H71	.954	15974	3.3	4	-F	C	1427	20			
MCMA	08	1426	1427	1435	N14	H77	.979	15974	2.8	9	-N	C	1427	30	1.6	DHV	
RAMY	08	1427	1428	1437	N14	H71	.954	15974	3.3	10	-B	3 C					
ZURI	08	1427	1429	1435	N12	H71	.952	15974	3.3	8	-N	C	1429	50			
HOLL	08	1428E	1428J	1441D	N15	H78	.983	15974	2.8	13D	-B	3 C		41			
GRP74291	08	1428+9	1443+2	1457	S15	E68	.926	16001	13.7	29	1N			100		EH	
MCMA	08	1415	1445	1454D	S15	E68	.926	16001	13.7	39D	19	* C	1445	80	2.2	EH	
HOLL	08	1428	1445	1457	S15	E68	.926	16001	13.7	29	-B	* C		107			
HTPR	08	1437	1443	1500	S15	E68	.926	16001	13.7	23	-N	* C	1443	90		E	
ZURI	08	1439	1445	1457	S14	E67	.920	16001	13.6	18	1N	* C	1445	200			
292 RAMY	08	1456	1456	1458	N21	E26	.578	15990	10.6	2	-N	3 C		27		Y5	
GRP74293	08	1459+9	1517+0	1522	N03	E50	.770	15995	12.4	23	-N			30	.5	E	
HOLL	08	1459	1517J	1521	N03	E50	.770	15995	12.4	22	-N	* C		25		DE	
MCMA	08	1517	1517	1523	N03	E50	.770	15995	12.4	6	-N	* C	1517	30	.5	E	
294 RAMY	08	1502	1503	1509	N14	H72	.959	15974	3.2	7	-N	3 C				Y5	
295 HOLL	08	1519E	1519	1526	S15	E66	.913	16001	13.6	7D	-N	3 C		29		Y5	
GRP74296	08	1546+9	1549+6	1600	N04	E52	.793	15995	12.6	14	-N			25	.4	E	
MCMA	08	1546	1552	1601	N07	E54	.818	15995	12.7	15	-N	C	1552	60	1.1	E	
HOLL	08	1549	1549	1603	N03	E50	.770	15995	12.4	14	-N	2 C		21			
HTPR	08	1549	1551	1558	N05	E56	.835	15995	12.9	9	-F	C	1551	20	.3		
RAMY	08	1555	1555	1557	N01	E47	.734	15995	12.2	2	-N	3 C		32			
297 MCMA	08	1751	1757	1808	S16	E67	.928	16001	13.8	17	-F	C	1757	40	1.0	E Y5	
298 MCMA	08	1751	1757	1806	N08	E38	.637	15992	11.6	15	-F	C	1757	40	.5	E Y5	
GRP74299	08	1846+3	1851+1	1915	S15	E66	.913	16001	13.7	29	1N			150		EH	
BIGB	08	1846	1852	1920	S13	E66	.912	16001	13.7	34	1N	2	1852	150	3.8		
HOLL	08	1848	1852	1910	S15	E64	.899	16001	13.6	22	1B	3 C		211			
MCMA	08	1849	1851	1901D	S16	E67	.920	16001	13.8	12D	-N	C	1851	50	1.3	EH	
300 CULG	08	2132	2134	2144	N12	H78	.982	15974	3.0	12	-F	C	2134	40		T Y5	
GRP74301	08	2216+2	2220+2	2230	N11	H76	.974	15974	3.2	14	-N			50			
CULG	08	2216	2222	2238	N12	H80	.988	15974	2.9	22	-N	P	2222	60		T	
BIGB	08	2217	2220	2230	N11	H76	.974	15974	3.2	13	-N	2	2220	50			
HOLL	08	2218	2220	2230	N11	H75	.970	15974	3.3	12	-N	3 C		30			
302 CULG	08	2248	2251	2255	N03	E47	.736	15995	12.5	7	-F	C	2251	30	.4	Y5	

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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												
GRP74303	08	2252+2	2300+3	2336	S21	E68	.929	16001	14.1	44	1F		110			H		
CULG	08	2252	2303	2340	S22	E68	.929	16001	14.1	48	1F	C	2303	80				
BIGB	08	2254	2300	2332	S21	E68	.929	16001	14.1	38	1N	2	2300	150		H		
304 CULG	08	2356	2357	00320	S30	W79	.981	15973	3.1	360	-F	P	2357	30		K	Y5	
305 CULG	09	0027E	0027	0032	S17	E85	.995	16005	15.4	50	-F	C	0027	40		C	Y5	
306 CULG	09	0027	0031	00350	S13	E63	.891	16001	13.7	80	-F	P	0031	30	.7		Y5	
307 CULG	09	0119	0122	0141	S10	E85	.995	16005	15.4	22	-N	P	0122	30			Y5	
308 CULG	09	0202E	0205	0222	S13	E61	.875	16001	13.7	200	-F	P	0205	40	.9	C	Y5	
GRP74309	09	0231+0	0232+1	0242	S31	W79	.981	15973	3.2	11	-N		35			D		
CULG	09	0231	0233	0246	S30	W80	.984	15973	3.1	15	-N	C	0233	30				
VORO	09	0231	0232	0237	S33	W78	.979	15973	3.3	6	-N	C	0232	36			D	
GRP74310	09	0232+3	0237+0	0246	N10	E27	.500	15992	11.1	14	-N		40	.5		DH		
CULG	09	0232	0237	0256	N10	E28	.514	15992	11.2	18	-N	P	0237	30	.4		H	
VORO	09	0235	0237	0241	N10	E27	.500	15992	11.1	6	-N	C	0237	45	.5		D	
311 CULG	09	0347E	0347U	03550	N33	E72	.974	16003	14.6	80	-F	P	0347	50		G	Y5	
GRP74312	09	0525	0528	0547	00	E42	.671	15995	12.4	22	1F						DJK	
ABST	09	0525	0528	0537	N01	E42	.672	15995	12.4	12	1F	C	0528	175	2.4		DJ	
CULG	09	0532E	0532	0557	S00	E43	.683	15995	12.5	250	-N	P	0532	40	.5		K	
313 CULG	09	0552	0555	0604	S30	W81	.986	15973	3.2	12	-F	P	0555	20			Y5	
314 ABST	09	0646	0647	0652	N06	E43	.694	15995	12.5	6	-N	C	0647	87	1.2		DJV	Y5
GRP74315	09	0722+6	0724	08150	N21	W23	.547	15986	7.6	53	-N		100	1.2		GHJK		
ABST	09	0722	0731+8	0855	N20	W24	.547	15986	7.5	93	1B	C	0731	358	3.1		FGJK	
ABST	09	0722	0724	0741	N23	W19	.533	15986	7.9	19	-N	C	0724	87	1.1		DGJ	
HTPR	09	0726	0732	0752	N22	W23	.558	15986	7.6	26	-N	C	0732	80	.9		E	
KANZ	09	0728	0739	0841	N20	W24	.547	15986	7.5	73	-B	3					FHK	
BERN	09	0731E	0735	0849	N17	W29	.575	15986	7.1	780	1N	P						
KHAR	09	0737E	0737	08040	N21	W24	.557	15986	7.5	270	-F	P	0737	100	1.4		EH	
CATA	09	0745E	0745	08150	N21	W23	.547	15986	7.6	300	-N	2	P	0745	67	.8		
316 ABST	09	0807	0808	0812	N18	E10	.399	15990	10.1	5	-N	C	0808	96	1.1		DJV	Y5
GRP74317	09	0816+1	0820+1	0839	N21	W23	.547	15986	7.6	23	-N						EG	
MONT	09	0816	0820	0858	N20	W24	.547	15986	7.5	42	-N	* C	0820	180			G	
HTPR	09	0817	0821	0835	N22	W23	.558	15986	7.6	18	-N	* C	0821	50	.6		E	
ZURI	09	0823E	0827	0839	N21	W23	.547	15986	7.6	160	1F	* P	0827	370	4.5			
318 KANZ	09	0817	0818	0822	N34	E67	.957	16003	14.4	5	-N	3					D	Y5
GRP74319	09	0818+0	0834+5	0917	N21	E13	.461	15990	10.3	59	1N		270	3.0		HJ		
KANZ	09	0818	0845+0	0933	N21	E13	.461	15990	10.3	75	1N	3					F	
BERN	09	0818	0834	0940	N24	E08	.476	15990	9.9	82	1N	P						
ZURI	09	0823E	0837	0857	N22	E13	.475	15990	10.3	340	2N	P	0837	630	7.3			
ABST	09	0827	0835	0903	N22	E13	.475	15990	10.3	36	1B	C	0835	297	3.4		FJ	
MONT	09	0828	0839	0927	N20	E15	.463	15990	10.5	59	1N	C	0839	250				
HTPR	09	0830	0837	0900	N21	E10	.442	15990	10.1	30	-N	C	0837	120	1.2		E	
CATA	09	0840E	0845	09000	N21	E14	.469	15990	10.4	200	-B	2	P	0845	168	1.9		
KHAR	09	0850E	0850	09500	N22	E13	.475	15990	10.3	600	1F	P	0908	380	3.2		EHT	
320 MONT	09	0832	0842	0854	S31	W82	.989	15973	3.2	22	-F	C	0842	40			D	Y5
GRP74321	09	0834+3	0835+2	0845	N02	E41	.660	15995	12.4	11	-N		90	1.2		E		
MONT	09	0834	0836	0850	N01	E41	.659	15995	12.4	16	-N	C	0836	60			E	
ZURI	09	0835	0835	0841	N02	E41	.660	15995	12.4	6	-F	C	0835	130	1.8			
KANZ	09	0837	0837	0845	N03	E41	.662	15995	12.4	8	-N	3						
322 KHAR	09	0908E	0908	09080	S00	E40	.644	15995	12.4		-F	P	0908	150	1.8		E	Y5
323 KHAR	09	0908E	0908	09080	N15	W88	1.000	15974	2.8		-F	* P					T	Y5
324 KHAR	09	0915E	09230	09230	S31	W87	.997	15973	2.9	80	-F	V	0916				T	Y5
325 KHAR	09	0945E	0957	10120	S31	W87	.997	15973	2.9	270	-F	V	0957				T	Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
GRP74326	09	1005+3	1007+4	1018	N01	E40	.646	15995	12.4	13	-F				60	.8	E
ZURI	09	1005	1007	1013	N02	E40	.647	15995	12.4	8	-F	C	1007	80	1.1		
KANZ	09	1006	1010	1018	N03	E38	.623	15995	12.3	12	-F	3					O
KHAR	09	1007E	1011	1012D	S03	E40	.644	15995	12.4	50	-F	V	1008				E
MONT	09	1008	1010	1019	N01	E40	.646	15995	12.4	11	-F	C	1010	50			E
327 KHAR	09	1043E		1047D	N15	E08	1.000	0	16.0	40	-F	V	1047				T Y5
GRP74328	09	1057+3	1105+3	1138	S16	E56	.833	16001	13.7	41	-N						E
KHAR	09	1057E	1105	1136D	S18	E57	.845	16001	13.7	39D	-F	P	1132				E
ZURI	09	1057	1107	1139	S16	E57	.842	16001	13.7	42	2N	C	1107	330	6.3		
KANZ	09	1059	1106	1122	S15	E55	.823	16001	13.6	23	-N	3					
MONT	09	1100	1108	1147	S17	E55	.825	16001	13.6	47	-N	C	1108	110			
GRP74329	09	1125+1	1138	1241D	N21	E12	.455	15990	10.4	76	-F						EH
			1147														
KHAR	09	1125E		1226D	N21	E10	.442	15990	10.2	61D	1F	P	1131				EHT
MONT	09	1126	1138	1210D	N20	E13	.448	15990	10.5	44D	-N	C	1138	180			
ZURI	09	1145	1147	1241	N22	E12	.468	15990	10.4	56	1F	C	1147	390	4.5		
MCMA	09	1231E		1315D	N22	E12	.468	15990	10.4	44D	-F	C	1231	50	.6		E
330 KHAR	09	1143E		1147D	S31	W87	.997	15973	3.0	40	-F	V	1143				HT Y5
331 KHAR	09	1156E	1200	1220D	N14	W90	1.000	15974	2.7	24D	-N	P	1202				HT Y5
GRP74332	09	1205+1	1213+7	1312	N33	E74	.980	16003	15.1	67	1N						AF
KHAR	09	1205E	1216	1250D	N35	E80	.994	16003	15.5	45D	1N	P					
KANZ	09	1206	1216	1323	N35	E75	.984	16003	15.1	77	1B	3					F
KHAR	09	1213E	1213	1226D	N29	E70	.963	16003	14.8	13D	1F	P					
CATA	09	1215	1220	1240	N32	E90	1.000	16003	16.3	25	2N	2	C	1220	281		A
MCMA	09	1231E		1332	N33	E69	.963	16003	14.7	61D	1N	*	C	1231	125	4.5	AEF
KHAR	09	1236E	1236	1300D	N38	E67	.962	16003	14.6	24D	1F	*	P				
GRP74333	09	1348+7	1354+8	1451	N21	E10	.442	15990	10.3	63	-B				60	.7	FW
			1425														
MCMA	09	1348	1359	1450D	N22	E12	.468	15990	10.5	62D	-B	*	C	1359	60	.7	EW
RAMY	09	1354E	1354J	1410D	N20	E11	.434	15990	10.4	16D	-B	*	C		57		F
HOLL	09	1355	1400	1452	N21	E08	.432	15990	10.2	57	-B	*	C		57		F
KANZ	09	1355	1402	1433	N21	E05	.420	15990	10.0	38	-N	*					
ZURI	09	1359E	1425	1457	N22	E10	.457	15990	10.3	58D	-N	*	P	1425	90	1.1	
334 HOLL	09	1351	1351	1415	N31	E66	.948	16003	14.5	24	-N	3	C		27		F Y5
GRP74335	09	1433+1	1439+2	1448	N13	W90	1.000	15974	2.9	15	-N						
KANZ	09	1433	1441	1449	N13	W90	1.000	15974	2.9	16	-N	2					
BIGB	09	1434	1439	1446	N14	W90	1.000	15974	2.9	12	-N	2	C	1439	60		
336 RAMY	09	1440	1441	1452	S04	E40	.642	0	12.6	12	-N	2	C		22		H Y5
GRP74337	09	1935+5	1942+1	2003	N21	E07	.427	15990	10.3	28	-N				45	.5	E
MCMA	09	1935	1943	1955	N22	E10	.457	15990	10.6	20	-N	C	1943	50	.6		E
HOLL	09	1940	1942	2010D	N21	E05	.420	15990	10.2	30D	-N	3	C		36		
338 MCMA	09	2006	2017	2048	N06	E22	.405	15992	11.5	42	-N	C	2017	40	.4		E Y5
GRP74339	09	2027+8	2028	2046	N07	E36	.607	15995	12.6	19	-N						E
			2035														
MCMA	09	2027	2028	2048	N07	E37	.620	15995	12.6	21	-N	C	2028	35	.5		E
RAMY	09	2035	2035	2043	N07	E36	.607	15995	12.6	8	-N	2	C		23		
	10	0209	0211	NO FLARE PATROL													
	10	0212	0217	NO FLARE PATROL													
340 CULG	10	0307E	0307J	0312D	N08	E15	.321	15992	11.3	5D	-N	P	0307	10	.1		Y5
GRP74341	10	0454+9	0628+4	0736	N07	E14	.298	15992	11.3	162	-N				20	.2	EJK
ABST	10	0454E	0632	0750	N07	E14	.298	15992	11.3	176D	-N	P	0632	87	.9		EJK
HTRP	10	0620	0628	0647	N07	E12	.272	15992	11.2	27	-F	C	0628	20	.2		E
CULG	10	0627E	0632	0652D	N07	E14	.298	15992	11.3	25D	-N	P	0632	20	.2		
KANZ	10	0716E	0745	0816	N07	E13	.285	15992	11.3	60D	-N	*					E
WEND	10	0720E	0744	0807	N07	E15	.311	15992	11.4	47D	-N	*	C		160	1.7	E
342 CULG	10	0628	0630	0637	N22	W08	.445	15990	9.7	9	-F	P	0630	10	.1		Y5
343 CULG	10	0629	0640	0652D	N06	E30	.520	15995	12.5	23D	-F	P	0640	10	.1		Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA MIL. of Disk	CORR AREA Sq. Deg.		
					LAT.	HER. DIST.												
GRP74344	10	0718+2	0725+8	0756	S33	E37	.715	15997	13.1	38	-N							
ABST	10	0718	0725	0759D	S33	E39	.732	15997	13.2	41D	1N	P	0725	175	2.7		G	
WEND	10	0720E	0730	0758	S32	E37	.708	15997	13.1	30D	-N	C		90	1.4		D	
KANZ	10	0720	0733	0753	S33	E37	.715	15997	13.1	33	-F	1					G	
HTPR	10	0720	0728	0850	S33	E34	.689	15997	12.9	90	-N	C	0728	40	.5		E	
GRP74345	10	0820+8	0835+0	0941	N07	E14	.298	15992	11.4	81	-N			180	1.9		EJ	
			0920+1															
WEND	10	0820	0835	0900D	N07	E14	.298	15992	11.4	40D	-N	C		200	2.1		E	
KANZ	10	0828	0835	0940	N07	E13	.285	15992	11.3	72	-N	2					E	
ZURI	10	0847E	0921	0941	N07	E13	.285	15992	11.3	54D	-F	P	0921	180	2.0		E	
ABST	10	0903E	0920	0925D	N08	E14	.308	15992	11.4	22D	-N	P	0920	175	1.9		EJ	
HANI	10	0905E	0905J	0915D	N07	E14	.298	15992	11.4	100	-N	2	C	60			F	
346 KHAR	10	1015E		1030D	N10	E24	.459	15995	12.2	15D	-F	P					Y5	
GRP74347	10	1033+4	1039+3	1132	N07	E13	.285	15992	11.4	59	-F			100	1.0		H	
			1123															
KHAR	10	1033E	1039	1055D	N07	E13	.285	15992	11.4	22D	-N	P	1039	120	1.3		HT	
KANZ	10	1034	1042	1132	N06	E13	.275	15992	11.4	58	-F	2						
ZURI	10	1037	1041	1047	N07	E12	.272	15992	11.3	10	-F	C	1041	80	.9			
KHAR	10	1110E	1123	1136D	N07	E13	.285	15992	11.4	26D	1F	P	1123	280	2.9		HT	
348 KHAR	10	1120E		1128D	N01	E26	.444	15995	12.4	8D	-F	V	1120				Y5	
349 KAND	10	1150	1220	1243	N07	E10	.247	15992	11.2	53	?F	C		208	2.2		E	
		IMP.1	NO : RAMY															Y5
359 ZURI	10	1335	1347	1353	N07	E11	.259	15992	11.4	18	?F	C	1347	390	4.2		Y5	
		IMP.1	NO : RAMY															
351 ZURI	10	1409	1410	1410D	N22	W01	.427	15990	10.5	1D	-F	P	1410	100	1.2		Y5	
352 HTPR	10	1623	1625	1640	N16	E62	.900	16014	15.3	17	-F	C	1625	20	.4		E	
																		Y5
353 HOLL	10	1654	1654	1712	N21	W07	.426	15990	10.2	18	-N	3	C	37				Y5
GRP74354	10	1745+1	1746	1807	N07	E08	.225	15992	11.3	22	-N			130	1.3			
			1752+0															
BIGB	10	1745	1752	1807	N06	E07	.201	15992	11.3	22	-F	2	C	1752	110	1.1		
HOLL	10	1746	1746	1805	N07	E11	.259	15992	11.6	19	-B	3	C		39			FDE
RAMY	10	1750E	1752J	1834	N07	E08	.225	15992	11.3	44D	-B	2	C		158			F
355 BIGB	10	1820	1825	1838	N05	E40	.653	16000	13.8	18	-F	2	C	1825	50	.7		G
																		Y5
356 BIGB	10	1943	1944	2000	N13	E90	1.000	16010	17.6	17	-N	2	C	1944	20			Y5
GRP74357	10	1948+1	1950+0	1954	N07	E08	.225	15992	11.4	6	-N							F
BIGB	10	1948	1950	1953	N08	E07	.229	15992	11.4	5	-F	2	C	1950	120	1.2		F
HOLL	10	1949	1950	1955	N07	E10	.247	15992	11.6	6	-B	3	C		49			
GRP74358	10	2007+4	2011+1	2018	N06	E09	.223	15992	11.5	11	-B			40	.4			D
			2012D															D
MCHA	10	2007E		2012D	N06	E08	.212	15992	11.4	5D	-B	P	2012	30	.3			
BIGB	10	2009	2011	2017	N06	E09	.223	15992	11.5	8	-N	2	C	2011	30	.3		
HOLL	10	2011	2012	2019	N07	E10	.247	15992	11.6	8	-B	3	C		72			
359 HOLL	10	2044	2048	2058	N07	E09	.236	15992	11.5	14	-N	3	C		32			Y5
360 HOLL	10	2052	2055	2059	N21	W09	.435	15990	10.2	7	-N	3	C		34			Y5
GRP74361	10	2128+1	2130+0	2139	N05	E10	.224	15992	11.6	11	-F			40	.4			
			2130															
HOLL	10	2128	2130	2139	N05	E11	.237	15992	11.7	11	-N	3	C		31			
BIGB	10	2129	2130	2138	N05	E10	.224	15992	11.6	9	-F	2	C	2130	50	.5		
GRP74362	10	2231+1	2233+3	2247	N20	W45	.765	15986	7.6	16	-N			60	.9			DG
			2247															
BIGB	10	2231	2233	2247	N20	W46	.775	15986	7.5	16	-F	2	C	2233	40	.6		G
VORO	10	2232	2236	2242D	N21	W45	.769	15986	7.6	10D	-N	C	2236	90	1.4		DG	
HANI	10	2244E	2244J	2247	N20	W45	.765	15986	7.6	3D	-N	2	C		20			
GRP74363	10	2300+3	2303+2	2322	N08	E05	.213	15992	11.3	22	-N			100	1.0			L
			2314															
MITK	10	2300	2305	2322	N08	E05	.213	15992	11.3	22	-F	C	2305					E
BIGB	10	2301	2304	2357	N08	E05	.213	15992	11.3	56	-F	2	C	2304				
VORO	10	2302	2303	2311	N08	E06	.220	15992	11.4	9	1N	C	2303	80	.8			
HANI	10	2302	2304	2313	N07	E05	.198	15992	11.3	11	-B	3	C		90			EL
HOLL	10	2303	2304	2320	N08	E06	.220	15992	11.4	17	-B	3	C		112			F
CULG	10	2310E	2314	2333	N08	E05	.213	15992	11.3	23D	-N	P	2314	60	.6			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	MCNATH PLAGE REGION				CMP. DAY	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq Deg.	
					LAT.	MER. DIST.											
GRP74364	11	0000+2	0002+1	0012	N08	E18	.360	15995	12.3	12	-N			90	1.0	DJ	
CULG	11	0000	0002	0020D	N08	E18	.360	15995	12.4	20D	-N	P	0002	60	.7		
VORO	11	0002	0003	0004	N09	E19	.383	15995	12.4	2	-B	C	0003	116	1.2	DJ	
GRP74365	11	0033+7	0042	0132	N21	W08	.428	15990	10.4	59	1N			250	2.8	EUY	
			0057+2														
CULG	11	0033E	0127	0137D	N22	W08	.443	15990	10.4	64D	1N	P	0127	230	2.5	UY	
BIGB	11	0038	0042	0049	N20	W08	.414	15990	10.4	11	-F	2	C	0042	30	.3	
VORO	11	0039	0059	0155	N22	W09	.448	15990	10.4	76	1N	C	0059	296	3.3	E	
MITK	11	0040	0057	0133	N21	W09	.434	15990	10.4	53	1B	C	0057	210	2.4	E	
HANI	11	0121E	0121U	0125D	N20	W06	.405	15990	10.6	4D	-N	3	C	60		F	
366 HANI	11	0121E	0121J	0125D	N07	E04	.189	15992	11.4	4D	-N	3	C	20		Y5	
	11	0258	0300	NO FLARE PATROL													
367 CULG	11	0356E	0358	0427	N23	W46	.787	15986	7.7	31D	-F	P	0358	40	.7	Y5	
368 CULG	11	0452E	0502	0513	N36	E54	.897	16003	15.3	21D	-F	P	0502	10	.2	Y5	
GRP74369	11	0526	0532	0734	N07	W0	.176	15992	11.2	128	-F					FJK	
			0538														
ABST	11	0526	0532	0535	N07	W02	.179	15992	11.1	9	-F	C	0532	52	.5	DJ	
ABST	11	0533	0538	0734	N07	E01	.177	15992	11.3	121	-F	C	0538	183	1.9	FJK	
GRP74370	11	0659+5	0710+5	0750	S28	W18	.503	15987	9.9	51	-F			90	1.0	E	
			0721														
ABST	11	0659	0710	0737D	S28	W15	.480	15987	10.2	38D	-F	P	0710	87	1.0	D	
ABST	11	0701	0715	0803D	S29	W22	.548	15987	9.6	62D	-F	P	0715	87	1.1	D	
MITK	11	0704	0713	0734D	S28	W18	.503	15987	9.9	30D	-F	C	0713			E	
HANI	11	0720E	0721	0736	S30	W19	.535	15987	9.9	16D	-N	3	C	50			
371 ABST	11	0708	0711	0721	N15	E89	1.000	16010	18.0	13	?F	C	0711	61		D	
		IMP.1 NO : HTPR HITK KIEV															Y5
GRP74372	11	0748+5	0756+1	0807	N06	E11	.247	15995	12.1	19	-N					E	
KHAR	11	0748E		0800D	N06	E02	.162	15995	11.5	12D	-N	V	0748			T	
ABST	11	0752E	0756	0803	N06	E15	.301	15995	12.5	11D	-N	P	0756	131	1.4	E	
HTPR	11	0753	0757	0810	N05	E11	.236	15995	12.2	17	-F	C	0757	20	.2	E	
KHAR	11	0755E		0800D	N07	E02	.179	15995	11.5	5D	-F	* V	0758			T	
373 KHAR	11	0835E		0840D	N06	E02	.162	15992	11.5	50	-F	V	0835			OT	
																Y5	
GRP74374	11	0848	0853+2	0909	N06	E01	.160	15992	11.4	21	-F			120	1.2	EJ	
MONT	11	0848	0853	0908	N08	W01	.194	15992	11.3	20	-N	C	0853	110		E	
KHAR	11	0848E		0858D	N07	E01	.177	15992	11.4	10D	-N	P	0848	120	1.3	T	
ABST	11	0851E	0855	0910D	N05	E03	.151	15992	11.6	19D	-F	P	0855	175	1.8	EJ	
ABST	11	0851E	0854	0859	N07	W02	.179	15992	11.2	8D	-F	P	0854	140	1.5	EJ	
KHAR	11	0855E		0900D	N04	E07	.173	15992	11.9	5D	-F	V	0855			ET	
GRP74375	11	0935	0942+0	0953	N07	W01	.177	15992	11.3	18	-N			80	.8	J	
MONT	11	0935	0942	0951	N08	W01	.194	15992	11.3	16	-N	C	0942	70			
ABST	11	0940E	0942	0954	N07	W02	.179	15992	11.3	14D	-N	P	0942	87	.9	DJ	
KHAR	11	0940E		0950D	N07	W01	.177	15992	11.3	10D	-F	V	0943			ET	
GRP74376	11	1030+9	1041	1122	N07	W01	.177	15992	11.4	44	-N						
			1058														
MONT	11	1038	1041	1130	N08	W02	.196	15992	11.3	52	-N	C	1041	110			
RAMY	11	1057	1058	1113	N07	W01	.177	15992	11.4	16	-N	3	C	48			
GRP74377	11	1050+7	1056+1	1111	S21	E09	.340	15996	12.1	21	-F			50	.5	E	
MONT	11	1050	1056	1112	S21	E09	.340	15996	12.1	22	-F	C	1056	60		E	
RAMY	11	1057	1057	1109	S22	E09	.355	15996	12.1	12	-N	3	C	42			
378 RAMY	11	1134	1135	1140	S23	E10	.376	15996	12.2	6	-N	3	C	21		Y5	
379 MONT	11	1143	1150	1158D	N08	W02	.196	15992	11.3	15D	-N	C	1150	80		E	
																Y5	
GRP74380	11	1232	1234	1302	N07	W02	.179	15992	11.4	30	-N					E	
			1248														
HTPR	11	1232	1234	1300	N08	W05	.211	15992	11.1	28	-N	C	1234	100	1.0	E	
HOLL	11	1246E	1248	1304	N07	E01	.177	15992	11.6	18D	-N	3	C	90			

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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.											
GRP74381	11	1359+0	1410 1424	1428	S16	E27	.493	16001	13.6	29	-F						
HUAN	11	1359		1419	S16	E27	.493	16001	13.6	20	-F	1	C	1407	15	.2	D
HOLL	11	1359	1424	1436	S18	E30	.544	16001	13.8	37	-N	3	C		31		F
MCMA	11	1402E		1455	S17	E28	.512	16001	13.7	530	-F		C	1402	80	.9	E
KANZ	11	1407E	1410	1418	S16	E27	.493	16001	13.6	110	-F	1					
GRP74382	11	1421+2	1424+2	1445	N03	E00	.107	15992	11.6	24	-N				90	.9	EU
HUAN	11	1421		1426	N03	E00	.107	15992	11.6	5	-F	1	C				E
KANZ	11	1422	1426	1452	N03	E00	.107	15992	11.6	30	-N	1					
MCMA	11	1422	1426	1455	N05	E02	.146	15992	11.7	33	-N		C	1426	110	1.1	E
HOLL	11	1423	1424	1437	N03	E00	.107	15992	11.6	14	-B	3	C		74		U F
GRP74383	11	1423+4	1439	1458	N14	E76	.975	16010	17.3	35	-F						D
HOLL	11	1423	1439	1442	N14	E76	.975	16010	17.3	19	-F	3	C				
HUAN	11	1427		1458	N12	E78	.981	16010	17.5	31	-F	1	C	1441	15		D
RAMY	11	1441	1501	1536	N14	E75	.971	16010	17.2	55	-F	3	C		13		
GRP74384	11	1441+2	1443+2	1454	N08	W02	.196	15992	11.5	13	-N				90	.9	E
HUAN	11	1441	1445	1445	N08	W03	.200	15992	11.4	4	-F	*	C				
BIGB	11	1442	1443	1452	N08	W02	.196	15992	11.5	10	-N	*	C	1443	90	1.0	
MCMA	11	1443	1445	1458	N08	W04	.205	15992	11.3	15	-N	*	C	1445	80	.8	E
HOLL	11	1443	1444	1455	N07	E00	.176	15992	11.6	12	-B	*	C		99		
GRP74385	11	1456+4	1459+1	1502	N23	W26	.594	15990	9.7	6	-F				25	.3	DH
KANZ	11	1456	1500	1504	N23	W26	.594	15990	9.7	8	-N	2					
HUAN	11	1457		1500	N24	W26	.603	15990	9.7	3	-F	1	C				
BIGB	11	1458	1459	1500	N25	W25	.604	15990	9.7	2	-F	3	C	1459	20	.2	
MCMA	11	1500	1500	1506	N23	W26	.594	15990	9.7	6	-N		C	1500	30	.4	DH
GRP74386	11	1530+4	1534+2	1542	N08	W03	.200	15992	11.4	12	-N				50	.5	
HUAN	11	1530		1536	N08	W03	.200	15992	11.4	6	-F	1	C				
MCMA	11	1531	1536	1545	N08	W04	.205	15992	11.3	14	-N		C	1536	60	.6	E
BIGB	11	1533	1535	1540	N08	W04	.205	15992	11.3	7	-F	3	C	1535	30	.3	
RAMY	11	1534	1535	1541	N07	W03	.183	15992	11.4	7	-N	3	C		41		
HOLL	11	1534	1534	1545	N07	W01	.177	15992	11.6	11	-B	3	C		65		F
387 HOLL	11	1627	1628	1635	N21	W19	.507	15990	10.3	8	-N	3	C		27		Y5
GRP74388	11	1636+6	1642+8	1701	N21	W19	.507	15990	10.3	25	-N				40	.5	E
MCMA	11	1636	1650	1703	N21	W21	.526	15990	10.1	27	-N		C	1650	35	.4	E
BIGB	11	1641	1646	1700	N21	W17	.490	15990	10.4	19	-F	3	C	1646	40	.4	
HOLL	11	1642	1642	1701	N21	W19	.507	15990	10.3	19	-B	3	C		48		
389 BIGB	11	1643	1645	1652	N07	W05	.196	15992	11.3	9	-F	3	C	1645	30	.3	Y5
GRP74390	11	1741+1	1743+0	1756	N28	E35	.718	16003	14.4	15	-N				50	.7	E
MCMA	11	1741E	1743	1758	N29	E39	.758	16003	14.7	170	-N		C	1743	40	.6	E
HOLL	11	1742	1743	1754	N28	E32	.692	16003	14.1	12	-B	3	C		56		
GRP74391	11	1741+4	1745+6	1759	N21	W20	.516	15990	10.2	18	-F				45	.5	E
MCMA	11	1741E	1751	1805D	N21	W21	.526	15990	10.2	240	-F	*	C	1751	60	.7	E
HOLL	11	1745	1745	1752	N21	W20	.516	15990	10.2	7	-N	*	C		31		
392 HOLL	11	1744	1745	1747	N14	E76	.975	16010	17.4	3	-N	3	C		10		Y5
GRP74393	11	1801+2	1804+0	1812	N07	W03	.183	15992	11.5	11	-N				45	.5	E
MCMA	11	1801	1804	1813	N08	W05	.211	15992	11.4	12	-N		C	1804	50	.5	E
HOLL	11	1803	1804	1811	N07	W02	.179	15992	11.6	8	-N	3	C		44		
394 MCMA	11	1818		1819D	N21	W22	.535	15990	10.1	10	-F		P	1818	30	.4	D
GRP74395	11	1834+3	1838	1849	N07	W06	.204	15992	11.3	15	-B				50	.5	
MCMA	11	1834E		1836D	N08	W10	.258	15992	11.0	20	-F		P	1834	50	.5	E
HOLL	11	1837	1838	1849	N07	W03	.183	15992	11.6	12	-B	3	C		56		F
396 BIGB	11	2031	2039	2049	N16	E55	.845	16014	16.0	18	-F	3	C	2039	40	.7	Y5
GRP74397	11	2121+1	2122+2	2141	N10	W07	.257	15992	11.4	20	-N				40	.4	K
CULG	11	2121	2123	2141	N10	W07	.257	15992	11.4	20	-N		C	2123	40	.4	
VORO	11	2121	2124	2145	N10	W08	.265	15992	11.3	24	1F		C	2124	242	2.5	EK
HOLL	11	2122	2122	2138	N07	W04	.189	15992	11.6	16	-B	3	C		27		F
GRP74398	11	2129+1	2130+1	2136	N12	E74	.966	16010	17.4	7	-F				25		
CULG	11	2129	2130	2133	N13	E76	.975	16010	17.6	4	-F		C	2130	30		
HOLL	11	2130	2131	2139	N12	E73	.962	16010	17.4	9	-N	3	C		15		

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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.	NER. DIST.										
SRP74399	11	2219+4	2224+2	2245	N08	W09	.247	15992	11.3	26	-N			50	.5	
CULG	11	2219	2224	2245	N08	W09	.247	15992	11.3	26	-N	C	2224	50	.5	
HOLL	11	2222	2226	2238	N07	W05	.196	15992	11.6	16	-B	3 C		49		F
VORO	11	2223	2226	2255	N08	W10	.258	15992	11.2	32	1N	C	2226	287	3.0	E
400 CULG	11	2353	2355	0005	S30	E31	.640	16004	14.3	12	-N	C	2355	20	.3	Y5
401 CULG	12	0030	0033	0042	N15	W52	.814	15989	8.1	12	-F	C	0033	20	.3	Y5
GRP74402	12	0030>9	0051+0	0107	N07	W08	.222	15992	11.4	37	-N			60	.6	
CULG	12	0030	0051	0109	N08	W10	.257	15992	11.3	39	-N	* C	0051	96	.9	T
HOLL	12	0047	0051	0105	N07	W06	.202	15992	11.6	18	-B	* C		39		
403 CULG	12	0040	0046	0130	N14	W72	.958	0	6.6	50	-F	C	0046	20		G Y5
GRP74404	12	0045+1	0046+0	0100	N16	E24	.506	15999	13.8	15	-N					0
CULG	12	0045	0046	0106	N16	E25	.518	15999	13.9	21	-B	C	0046	50	.6	
VORO	12	0046	0046	0053	N17	E23	.504	15999	13.8	7	-N	C	0046	125	1.4	0
GRP74405	12	0108+7	0111	0139	N08	W10	.257	15992	11.3	31	-B			100	1.0	E
			0119+1													
MITK	12	0108	0111	0118	N08	W08	.235	15992	11.4	10	-B	* C	0111			E
CULG	12	0113	0119	0145	N08	W10	.257	15992	11.3	32	-N	* C	0119	70	.7	T
VORO	12	0115	0120	0139	N09	W11	.280	15992	11.2	24	-B	* C	0120	125	1.3	E
406 CULG	12	0123	0125	0144	N26	E50	.633	16007	15.8	21	-N	C	0125	30	.4	F Y5
407 CULG	12	0134	0245	0640	N30	E21	.624	16003	13.6	306	?N	C	0245	270	3.4	KFIS Y5
		IMP.1 NO :	VORO	MITK												
GRP74408	12	0153+1	0155+0	0202	N16	E51	.808	16014	15.9	9	-F			60	1.0	
CULG	12	0153	0155	0202	N15	E52	.814	16014	16.0	9	-N	C	0155	40	.5	TF
VORO	12	0154	0155	0202	N17	E51	.811	16014	15.9	8	-F	C	0155	81	1.4	E
409 CULG	12	0203	0232	0324	N22	W22	.545	15990	10.4	81	-F	C	0232	20	.3	K Y5
GRP74410	12	0207+1	0209+2	0221	N08	W09	.246	15992	11.4	14	-B					E
CULG	12	0207	0209	0224	N08	W10	.257	15992	11.3	17	-B	C	0209	90	.9	T
VORO	12	0208	0211	0217	N09	W09	.259	15992	11.4	9	1N	C	0211	287	3.0	E
411 CULG	12	0226	0238	0244	N16	W54	.835	15989	8.1	18	-F	C	0238	10	.1	KF Y5
412 CULG	12	0324	0406	0430	S33	E13	.535	15997	13.1	66	-N	C	0406	90	1.1	FL Y5
413 CULG	12	0325	0330	0420	N13	W72	.957	0	6.7	55	-F	C	0330	20		G Y5
414 CULG	12	0333	0351	0437	S22	E36	.639	16005	14.8	64	-N	C	0351	40	.5	FS Y5
415 CULG	12	0404	0412	0451	N08	W12	.280	15992	11.3	47	-F	C	0412	50	.5	KT Y5
416 CULG	12	0448	0453	0459	S25	W36	.656	15987	9.5	11	-F	C	0453	20	.3	Y5
417 ABST	12	0502	0504	0508	N08	W13	.293	15992	11.2	6	-N	C	0504	87	.9	DJ Y5
418 CULG	12	0524	0531	0558	N10	E76	.973	16010	17.9	34	-F	C	0531	20		Y5
GRP74419	12	0530+1	0537+0	0553	N08	W12	.280	15992	11.3	23	-N					EJ
CULG	12	0530	0537	0601	N08	W12	.280	15992	11.3	31	-F	C	0537	50	.5	T
ABST	12	0531	0537	0545	N08	W13	.293	15992	11.3	14	1N	C	0537	262	2.8	EJ
GRP74420	12	0547+1	0550+0	0602	S20	W02	.294	15996	12.1	15	-N					EJ
ABST	12	0547	0550	0600	S20	W02	.294	15996	12.1	13	-N	C	0550	131	1.5	EJ
CULG	12	0548	0550	0604	S20	W02	.294	15996	12.1	16	-N	C	0550	40	.4	
421 CULG	12	0600	0606	0609D	N23	W24	.574	15990	10.5	9D	-F	P	0606	20	.3	Y5
GRP74422	12	0634>9	0640	0700	N07	W10	.244	15992	11.5	26	-N					EJ
			0655+2													
ABST	12	0634	0640	0700	N04	W10	.212	15992	11.5	26	-F	* C	0640	131	1.4	EJ
CULG	12	0652	0655	0658D	N09	W11	.280	15992	11.5	6D	-N	* C	0655	20	.2	T
ABST	12	0654	0657	0700	N05	W07	.185	15992	11.8	6	-N	* C	0657	87	.9	DJ
423 ABST	12	0639	0644	0710	N14	E69	.942	16010	17.5	31	?N	C	0644	174		DJ Y5
		IMP.1 NO :	MITK	KIEV	CULG	CATA										
	12	0800	0803	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 Mil. of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
424 MONT	12	0901E	0901	0922	N08	W16	.332	15992	11.2	210	-F	C	0901	50		Y5	
425 MONT	12	0936	0939	0951	N08	W16	.332	15992	11.2	15	-N	C	0939	70		E Y5	
GRP74426	12	1201+2	1202+6	1213	N09	W16	.342	15992	11.3	12	-F						
HTPR	12	1201	1202	1205	N08	W17	.346	15992	11.2	4	-F	C	1202	20	.2	E	
LVOV	12	1203	1208	1221	N10	W15	.339	15992	11.4	18	1F	C	1208	200	2.3	D	
427 HTPR	12	1303	1306	1313	N08	W17	.346	15992	11.3	10	-F	C	1306	30	.3	E Y5	
GRP74428	12	1326+4	1329+1	1342	N07	W16	.323	15992	11.4	16	-N			40	.4		
HTPR	12	1326	1329	1342	N08	W18	.359	15992	11.2	16	-F	C	1329	40	.4	E	
RAMY	12	1328	1329	1339	N07	W16	.323	15992	11.4	11	-B	3 C		25			
HOLL	12	1330	1333	1344	N07	W13	.282	15992	11.6	14	-B	3 C		48		F	
GRP74429	12	1330+1	1331+1	1340	S21	W07	.329	15996	12.0	10	-F			30	.3	E	
HTPR	12	1330	1331	1340	S20	W09	.327	15996	11.9	10	-F	C	1331	20	.2	E	
HOLL	12	1331	1332	1340	S22	W06	.340	15996	12.1	9	-N	3 C		39			
430 HOLL	12	1412	1419	1438	N21	W31	.625	15990	10.3	26	-N	3 C		51		Y5	
431 HOLL	12	1506	1506	1513	N07	W14	.296	15992	11.6	7	-N	3 C		22		Y5	
432 HOLL	12	1538	1539	1557	N21	W32	.636	15990	10.3	19	-B	3 C		27		F Y5	
GRP74433	12	1616+3	1620+1	1635	S22	W09	.357	15996	12.0	19	-B						
RAMY	12	1616	1621	1639D	S22	W08	.350	15996	12.1	23D	-B	3 C				F	
HOLL	12	1617	1621	1635	S22	W09	.357	15996	12.0	18	-B	3 C		102		FDE	
BIGB	12	1619	1620	1631	S22	W09	.357	15996	12.0	12	-N	3 C	1620	40	.4		
BIGB	12	1620	1621	1626	S27	W19	.501	15996	11.3	6	-F	3 C	1621	20	.2		
434 HUAN	12	1720		1726	N23	E90	1.000	16012	19.5	6	-F	1 C				D Y5	
GRP74435	12	1837+8	1845+2	1856	N17	E40	.698	16014	15.8	19	-F						
BIGB	12	1837	1845	1901	N18	E40	.703	16014	15.8	24	-F	3 C	1845	70	.9		
HOLL	12	1845	1847	1851	N15	E38	.665	16014	15.6	6	-N	3 C		24			
HUAN	12	1845		1848D	N17	E40	.698	16014	15.8	3D	-F	1 P					
436 BIGB	12	1951	1956	2013	S27	W70	.945	15982	7.6	22	-F	3 C	1956	80		G Y5	
437 HOLL	12	2148	2149	2156	N11	E57	.852	16010	17.2	8	-N	3 C		19		Y5	
GRP74438	12	2151+1	2152+1	2204	N16	E38	.670	16014	15.8	13	-N			45-	.6	F	
BIGB	12	2151	2153	2203	N17	E40	.698	16014	15.9	12	-N	3 C	2153	50	.7		
HOLL	12	2152	2152	2205	N15	E37	.654	16014	15.7	13	-N	2 C		36		F	
GRP74439	12	2224E	2225+0	2231	S21	W12	.366	15996	12.0	7	-N			30	.3		
CULG	12	2224E	2225	2231	S21	W14	.384	15996	11.9	7D	-N	P	2225	30	.3	T	
HOLL	12	2225E	2225	2230	S22	W11	.371	15996	12.1	5D	-N	2 C		31			
GRP74440	12	2230	2254	2300	N25	E90	1.000	16012	19.7	30	-N					DH	
BIGB	12	2230	2254	2258	N25	E90	1.000	16012	19.7	28	-B	3 C	2254	50			
VORO	12	2235E		2302	N26	E90	1.000	16012	19.7	27D	-F	C	2235	27		DH	
441 HOLL	13	0033	0034	0041	N07	W19	.365	15992	11.6	8	-N	3 C		27		F Y5	
442 CULG	13	0043	0047	0100	S23	W15	.419	15996	11.9	17	-F	C	0047	30	.3	Y5	
443 CULG	13	0045	0057	0142	N34	W27	.705	15991	11.0	57	-F	C	0057	20	.2	Y5	
GRP74444	13	0135+3	0137+1	0148	N04	W19	.345	15992	11.6	13	-N			80	.9	D	
CULG	13	0135	0137	0152	N04	W19	.345	15992	11.6	17	-N	C	0137	60	.6		
VORO	13	0138	0138	0144	N05	W20	.366	15992	11.6	6	-N	C	0138	99	1.0	D	
445 VORO	13	0225	0232	0245	N19	W38	.686	15990	10.3	20	-N	C	0232	36	.4	D Y5	
GRP74446	13	0225+2	0227+4	0237	S22	W14	.398	15996	12.1	12	-N			90	1.0		
CULG	13	0225	0227	0244D	S22	W14	.398	15996	12.1	19D	-N	* P	0227	90	1.0		
VORO	13	0226	0231	0237	S22	W15	.407	15996	12.0	11	-N	* C	0231	116	1.2	E	
PALE	13	0227	0228	0236	S21	W12	.367	15996	12.2	9	-B	* C		65		F	
	13	0609	0615		NO FLARE PATROL												
	13	0617	0643		NO FLARE PATROL												
	13	0840	0845		NO FLARE PATROL												
447 KAND	13	0901	0903	0923	N04	W22	.391	15992	11.7	22	-F	C		62	.7	E Y5	



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg	
					LAT.	MER. DIST											
	13	0938	1202	NO FLARE PATROL													
448 BIGB	13	1437	1443	1452	N17	E27	.549	16014	15.6	15	-F	3	C	1443	20	.2	Y5
449 MCMA	13	1501E		15110	N16	E00	.324	15999	13.6	100	-N		C	1503	50	.5	E Y5
GRP74450	13	1501+1	1503+0	1511	N16	E26	.529	16014	15.6	10	-F				35	.4	O
MCMA	13	1501E	1503	15110	N16	E26	.529	16014	15.6	100	-F		C	1503	35	.4	O
BIGB	13	1502	1503	1511	N16	E26	.529	16014	15.6	9	-N	3	C	1503	30	.3	
451 BIGB	13	1554	1555	1604	N09	W31	.546	15992	11.3	10	-N	3	C	1555	40	.5	Y5
452 HUAN	13	1611		1620	N31	E05	.563	16003	14.0	9	-F	1	C	1615	20	.2	D Y5
453 BIGB	13	1618	1623	1630	N16	E25	.517	16014	15.6	12	-F	3	C	1623	20	.2	Y5
454 MCMA	13	1640E		1652D	N17	E03	.344	15999	13.9	120	-F		C	1642	30	.3	E Y5
GRP74455	13	1805+2	1810	1825	N15	E24	.496	16014	15.6	20	-F						
			1817														
HOLL	13	1805	1817	1821	N15	E25	.508	16014	15.6	16	-N	3	C		23		F
MCMA	13	1807	1810	1828	N16	E24	.505	16014	15.6	21	-F		C	1810	40	.5	E
GRP74456	13	1816+0	1816+1	1822	N15	00	.308	15999	13.8	6	-F				35	.4	O
MCMA	13	1816	1817	1822	N15	W03	.312	15999	13.5	6	-F		C	1817	35	.4	O
HOLL	13	1816	1816	1821	N15	E02	.309	15999	13.9	5	-N	3	C		32		
GRP74457	13	1840+4	1851+1	1901	N19	W49	.798	15990	10.1	21	-N				50	.8	
MCMA	13	1840	1851	1858D	N19	W49	.798	15990	10.1	180	-F		C	1851	60	1.0	E
BIGB	13	1841	1852	1915	N20	W48	.792	15990	10.2	34	-N	3	C	1852	70	1.1	E
HUAN	13	1844		1855	N19	W50	.807	15990	10.0	11	-F	1	C	1846	30	.5	
HOLL	13	1844	1852	1906	N18	W50	.804	15990	10.0	22	-B	3	C		88		F
PALE	13	1852	1852J	1859	N20	W49	.801	15990	10.1	7	-N	2	C		26		F ODE
458 HUAN	13	1856		1904	N25	E75	.977	16012	19.4	8	-F	1	C				Y5
459 BIGB	13	1946	1948	2006	N27	E76	.981	16012	19.5	20	-B	3	C	1948	80		Y5
460 HOLL	13	1946	1949	1953	N15	E01	.308	15999	13.9	7	-N	3	C		27		Y5
461 HOLL	13	2033	2034	2043	N18	W50	.804	15990	10.1	10	-N	3	C		22		F Y5
462 BIGB	13	2040	2053	2053D	N23	E70	.956	16012	19.1	130	-N	3	P	2053	20		Y5
GRP74463	13	2057+1	2100+5	2114	N15	E23	.484	16014	15.6	17	-N				30	.3	
BIGB	13	2057	2105	2105D	N15	E23	.484	16014	15.6	80	-N	3	P	2105	20	.2	E
HOLL	13	2058	2100	2114	N15	E23	.484	16014	15.6	16	-B	3	C		37		F
464 HOLL	13	2230	2234	2249	N19	W52	.825	15990	10.0	19	-N	3	C		23		Y5
465 HOLL	14	0003	0003	0009	N19	W51	.816	15990	10.2	6	-N	3	C		24		Y5
GRP74466	14	0005+2	0006+1	0016	N15	E23	.483	16014	15.7	11	1B				230	2.6	U
BIGB	14	0005	0006	0016	N16	E23	.492	16014	15.7	11	-B	3	C	0006	80	.9	
HOLL	14	0006	0007	0048	N15	E21	.460	16014	15.6	42	1B	3	C		227		U F
PALE	14	0007	0007	0015	N14	E25	.499	16014	15.9	8	1B	3	C		265		F ODE
467 HOLL	14	0052	0053	0105	N15	W02	.308	15999	13.9	13	-N	3	C		29		Y5
468 CULG	14	0148E	0206J	0226	N18	W50	.803	15990	10.3	380	-F		P	0206	50	.8	Y5
469 CULG	14	0154	0205	0220	S20	W28	.534	15996	12.0	26	-N		P	0205	70	.9	Y5
470 CULG	14	0240	0242	0251	S35	W10	.552	15997	13.4	11	-N		P	0242	80	1.0	Y5
471 CULG	14	0251	0255	0310	N25	W42	.758	15990	11.0	19	-N		C	0255	80	1.2	Y5
472 CULG	14	0255	0258	0308	S15	W12	.292	16001	13.2	13	-F		C	0258	30	.3	Y5
473 CULG	14	0320	0331	0334D	S23	W56	.846	15987	9.9	60	-N		P	0331	50	1.0	Y5
SRP74474	14	0805	0809	0858	N06	W36	.602	15992	11.6	53	1N						E
KANZ	14	0805	0809	0858	N04	W33	.554	15992	11.9	53	-N	2					
ZURI	14	0824E	0824	0858	N06	W36	.602	15992	11.7	340	1F		P	0824	180	2.4	
KHAR	14	0855E		0920D	N06	W36	.602	15992	11.7	250	1F		V				E
475 KHAR	14	0855E		0920D	N37	E23	.709	16018	16.1	250	-F		V				DH Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McNATH PLAGE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
476 KHAR	14	0925E		0932D	S31	E18	.544	16017	15.7	70	-F	P	0931			T	Y5	
GRP74477	14	0932+2	0936+2	1008	N25	E65	.932	16012	19.3	36	1N						EH	
			0945+1															
KHAR	14	0932E	0938	1030D	N25	E69	.953	16012	19.6	58D	1B	P	0938	400			EH	
BERN	14	0933	0945	1005	N25	E65	.932	16012	19.3	32	1F	P						
ZURI	14	0934	0936	1004	N23	E65	.929	16012	19.3	30	1B	C	0936	80				
HPR	14	0934	0936	1000	N24	E68	.947	16012	19.5	26	1N	C	0936	140	2.9		E	
KANZ	14	0934	0946	1009	N25	E62	.915	16012	19.0	35	1N	2						
MONT	14	0936E	0936	1004	N25	E67	.943	16012	19.4	28D	1N	C	0936	250				
KHAR	14	1011E		1017D	N28	E58	.896	16012	18.8	6D	-F	V	1011				H	
GRP74478	14	0938+1	0938+3	1000	N20	H56	.861	15990	10.2	22	-N			45	.9		E	
ZURI	14	0938	0940	1006	N20	H57	.869	15990	10.1	28	-B	C	0940	40	.9		E	
KANZ	14	0938	0938	0953	N19	H56	.859	15990	10.2	15	-N	2						
KHAR	14	0938E		1015D	N22	H57	.874	15990	10.1	37D	1F	P	0938				E	
MONT	14	0939	0941	0951	N20	H54	.845	15990	10.4	12	-F	C	0941	50			E	
479 KHAR	14	0956E		1016D	N07	H37	.619	15992	11.6	20D	-F	V	0956				Y5	
GRP74480	14	1012+1	1013+5	1024	S22	H32	.595	15996	12.0	12	-N			120	1.5		E	
ZURI	14	1012	1014	1022	S22	H33	.607	15996	12.0	10	-B	C	1014	120	1.6		E	
HPR	14	1012	1015	1025	S22	H32	.595	15996	12.0	13	-N	C	1015	80	.9		E	
BERN	14	1012	1014	1023	S27	H28	.589	15996	12.3	11	-N	P						
KANZ	14	1013	1013	1024	S23	H32	.602	15996	12.0	11	-N	2						
MONT	14	1013	1018	1025	S21	H32	.589	15996	12.0	12	-N	C	1018	110				
KHAR	14	1013E	1015	1033D	S22	H32	.595	15996	12.0	20D	1F	V	1015	160	2.1		E	
481 KHAR	14	1020E		1037D	N37	E22	.704	16018	16.1	17D	-F	V	1020				DH	
																	Y5	
482 KHAR	14	1040E		1107D	S31	E20	.558	16017	15.9	27D	-F	V					HT	
																	Y5	
GRP74483	14	1124	1128	1146	S30	E18	.531	16017	15.8	22	-F						H	
ZURI	14	1124	1128	1132	S30	E16	.517	16017	15.7	8	-F	C	1128	60	.7			
KHAR	14	1130E		1200D	S31	E20	.558	16017	16.0	30D	-F	V	1130				HT	
GRP74484	14	1303+5	1310+4	1324	N15	E14	.384	16014	15.6	21	-N			50	.5		D	
LVOV	14	1303	1314	1323	N15	E14	.384	16014	15.6	20	1N	C	1314	200	2.3			
ZURI	14	1306	1312	1324	N16	E15	.406	16014	15.7	18	-B	C	1312	50	.6			
KANZ	14	1307	1311	1323	N15	E15	.394	16014	15.7	16	-N	2						
HOLL	14	1308	1310	1325	N14	E14	.371	16014	15.6	17	-B	3	C	38			F	
GRP74485	14	1410+5	1422+1	1431	S31	E16	.530	16017	15.8	21	-F			60	.7			
ZURI	14	1410	1422	1432	S30	E15	.510	16017	15.7	22	-F	C	1422	50	.6			
HOLL	14	1415	1423	1429	S32	E17	.549	16017	15.9	14	-N	3	C	76				
GRP74486	14	1540+0	1541	1609	N15	E14	.384	16014	15.7	29	-B			100	1.1		E	
			1546+7															
KANZ	14	1540	1547	1607	N15	E14	.384	16014	15.7	27	-B	2					E	
ZURI	14	1540	1546	1546D	N16	E14	.396	16014	15.7	6D	-N	P	1546	100	1.2			
BIGB	14	1540	1550	1608	N16	E15	.406	16014	15.8	28	-B	3	C	1550	100	1.1		
BERN	14	1540	1549	1614	N18	E10	.391	16014	15.4	34	1F	P						
HOMA	14	1540E	1553	1613	N15	E14	.384	16014	15.7	33D	-B	C	1553	100	1.1		E	
HOLL	14	1540	1541	1606	N15	E14	.384	16014	15.7	26	-B	3	C	35				
HOLL	14	1540	1548	1606	N15	E14	.384	16014	15.7	26	-N	3	C	108				
487 HOLL	14	1625	1626	1649	S32	E16	.542	16017	15.9	24	-F	3	C	21			Y5	
488 HOLL	14	1735	1742	1747	S32	E16	.542	16017	15.9	12	-N	3	C	24			Y5	
489 BIGB	14	1858	1909	1917	S30	E13	.498	16017	15.8	19	-N	3	C	1909	50	.5		Y5
490 BIGB	14	1929	1934	1950	N38	E19	.700	16018	16.2	21	-N	3	C	1934	40	.4		Y5
GRP74491	14	1930+9	1936+4	2005	N15	E13	.374	16014	15.8	35	-N			60	.6			
BIGB	14	1930	1940	2016	N15	E13	.374	16014	15.8	46	-B	3	C	1940	80	.8		
HOLL	14	1931	1936	2010	N15	E11	.356	16014	15.6	39	-B	3	C	87				
HUAN	14	1932		2000	N15	E14	.384	16014	15.9	28	-F	1	C	1942	45	.5		E
PALE	14	1939	1939	1948	N14	E14	.371	16014	15.9	9	-N	3	C	44			F	
492 BIGB	14	1937	1939	1944	N22	E54	.850	16012	18.9	7	-B	3	C	1939	30	.5		Y5
493 HOLL	14	2023	2025	2031	N15	E11	.356	16014	15.7	8	-B	3	C	23			Y5	
494 HOLL	14	2109	2110	2116	N12	E34	.600	16010	17.4	7	-N	3	C	42			Y5	
495 BIGB	14	2135	2141	2224	S30	E50	.814	16013	18.6	49	-N	3	C	2141	30	.5		Y5

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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.	NER. DIST											
496 HOLL	14	2156	2157	2202	S22	H37	.652	15996	12.1	6	-N	3	C		26		Y5
GRP74497	14	2156+1	2158+3	2221	N23	H53	.845	15990	10.9	25	-N				30	.6	
BIGB	14	2156	2158	2221	N23	H53	.845	15990	10.9	25	-B	*	C	2158	50	.9	
CULG	14	2156	2201	2221	N25	H52	.844	15990	11.0	25	-N	*	C	2201	30	.4	
HOLL	14	2157	2159	2203	N19	H63	.911	15990	10.2	6	-N	*	C		17		
SRP74498	14	2210+7	2210	2236	N13	E33	.593	16010	17.4	26	-B				30	.4	
			2218+3														
HOLL	14	2210	2210	2243	N12	E33	.588	16010	17.4	33	-B	3	C		20		
HOLL	14	2210	2221	2243	N12	E33	.588	16010	17.4	33	-N	3	C		23		
BIGB	14	2217	2218	2228	N14	E34	.611	16010	17.5	11	-B	3	C	2218	40	.5	
GRP74499	14	2244+6	2253+J	2333	N18	E12	.406	16014	15.8	49	-B						F
CULG	14	2244	2253	2336U	N22	E15	.482	16014	16.1	52D	1N		C	2253	280	3.2	F
HOLL	14	2250	2253	2329	N15	E10	.348	16014	15.7	39	-B	3	C		97		F
500 CULG	15	0000	0004	0014	S14	E70	.939	0	20.3	14	-F		C	0004	30		G Y5
GRP74501	15	0006+2	0012+2	0049	S21	H39	.671	15996	12.1	43	-N				100	1.4	
CULG	15	0006	0012	0100	S21	H40	.682	15996	12.0	54	-N		C	0012	90	1.3	
HOLL	15	0008	0014	0638	S22	H38	.664	15996	12.2	30	-B	3	C		109		
502 CULG	15	0025	0129	0230	N26	E07	.492	16007	15.5	125	-N		P	0129	70	.7	K Y5
503 CULG	15	0104	0112	0140	N16	H57	.860	15990	10.8	36	-F		C	0112	40	.8	Y5
504 MITK	15	0356E		0359D	S30	E10	.483	16017	15.9	30	1F		P	0356	190	2.2	EH Y5
GRP74505	15	0515E	0526	0539D	S31	E08	.489	16017	15.8	24	?F						EJ
			0538														
ABST	15	0515E	0526	0539D	S32	E09	.508	16017	15.9	24D	?F		P	0539	175	2.1	DJ
ABST	15	0536	0538	0539D	S30	E07	.471	16017	15.8	30	-N		P	0538	96	1.1	EJ
506 CULG	15	0625E	0625J	0630	N07	H59	.863	15992	10.8	50	-N		P	0625	60	1.2	B Y5
507 CULG	15	0647E	0647E	0653	N25	H53	.851	15994	11.3	60	-F		P	0647	30	.6	Y5
508 KANZ	15	0733E	0753	0804	S30	E08	.475	16017	15.9	31D	-F	2					Y5
GRP74509	15	0811+4	0815+7	0830	N24	E51	.832	16012	19.2	19	-N						EI
KANZ	15	0811	0822	0837	N26	E51	.839	16012	19.2	26	-B	2					E
HTPR	15	0811	0816	0825	N25	E50	.827	16012	19.1	14	-N		C	0816	120	1.8	E
CATA	15	0815	0815	0830	N21	E52	.830	16012	19.2	15	-N	1	C	0815	56	1.0	EI
KIEV	15	0815E	0818	0830D	N24	E54	.856	16012	19.4	15D	1F		C	0820	200	4.3	EI
GRP74510	15	0837	0841	0909	N14	E25	.498	16010	17.2	32	-N						EH
KANZ	15	0837	0841	0857	N14	E25	.498	16010	17.2	20	-N	2					E
KHAR	15	0850E		0905D	N13	E26	.503	16010	17.3	15D	-F		P	0850	60	.7	H
KHAR	15	0850E		0920D	N15	E24	.494	16010	17.2	30D	-F		P				E
GRP74511	15	0905+9	0935	0958	S30	E06	.468	16017	15.8	53	-F						EH
			0943+2														
KHAR	15	0905E		0940D	S31	E05	.480	16017	15.8	35D	-F		P	0905			T
MONT	15	0928	0935	0955	S30	E06	.468	16017	15.8	27	-F		C	0935	50		E
KANZ	15	0932	0943	0958	S30	E06	.468	16017	15.8	26	-F	1					EHT
KHAR	15	0935E	0945	1000D	S30	E06	.468	16017	15.8	25D	-N		V	0945			EHT
GRP74512	15	1025+9	1035	1118	S30	E05	.465	16017	15.8	53	-N						EH
			1059														
KHAR	15	1025E	1035	1130D	S30	E04	.463	16017	15.7	65D	1N		P	1034	250	3.0	EHT
MONT	15	1055	1059	1108	S30	E05	.465	16017	15.8	13	-F		C	1059	50		
ZURI	15	1114	1116	1118	S30	E05	.465	16017	15.8	4	-N		C	1116	60	.7	
GRP74513	15	1101+1	1101+2	1108	N14	E26	.511	16010	17.4	7	-N						EH
KHAR	15	1101E	1101	1112D	N16	E27	.539	16010	17.5	11D	-N		P	1101			H
KANZ	15	1101	1101	1109	N13	E26	.503	16010	17.4	8	-B	2					E
ZURI	15	1102	1102	1104	N14	E26	.511	16010	17.4	2	-N		C	1102	60	.7	
HTPR	15	1102	1103	1106	N14	E26	.511	16010	17.4	4	-F		C	1103	20	.2	E
514 KHAR	15	1123E		1132D	N15	E04	.311	16014	15.8	9D	-F		P	1133	100	1.0	E Y5
515 KHAR	15	1136E		1154D	N34	H50	.771	15992	11.7	18D	-F	*	P	1145	50	.7	D Y5
516 KHAR	15	1136E		1155D	N16	E03	.324	16014	15.7	19D	-F		P	1148			D Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MATH PLAGE REGION	CMP. DAY				TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.			
					LAT.	MER. DIST												
517 ZURI	15	1156	1218	1226	N21	W61	.900	15990	10.9	30	-N	C	1218	90	2.1	Y5		
GRP74518	15	1345+1	1345+1	1353	N15	00	.304	16014	15.6	8	-F						D	
KANZ	15	1345	1345	1358	N15	E00	.304	16014	15.6	13	-F	2					D	
ZURI	15	1346	1346	1348	N15	E01	.304	16014	15.6	2	-N	C	1346	60	.7			
519 MCMA	15	1351E	1405	1417	S31	E03	.476	16017	15.8	260	-F	C	1405	40	.4	E	Y5	
GRP74520	15	1426+1	1436+1	1448	S30	E03	.461	16017	15.8	22	-N			50	.6	E		
ZUR I	15	1426	1436	1446	S30	E03	.461	16017	15.8	20	-N	C	1436	70	.8	E		
MCMA	15	1427	1437	1450	S31	E03	.476	16017	15.8	23	-N	C	1437	30	.4	E		
521 BIGB	15	1440	1450	1459	N25	E47	.802	16012	19.1	19	-N	2	C	1450	40	.6		Y5
GRP74522	15	1450+1	1450+1	1458	N20	W23	.530	15999	13.9	8	-N			30	.4	E		
BIGB	15	1450	1451	1458	N20	W25	.551	15999	13.7	8	-N	2	C	1451	20	.2	E	
ZURI	15	1450	1450	1456	N20	W23	.530	15999	13.9	6	-N	C	1450	60	.7	E		
MCMA	15	1451	1451	1459	N20	W23	.530	15999	13.9	8	-N	C	1451	30	.4	E		
523 MCMA	15	1505	1506	1513	S31	E03	.476	16017	15.9	8	-F	C	1506	35	.4	E	Y5	
GRP74524	15	1534+1	1538+1	1546	N15	E03	.308	16014	15.9	12	-F			40	.4	E		
MCMA	15	1534	1539	1543	N16	E04	.327	16014	15.9	9	-F	C	1539	40	.4	E		
RAMY	15	1535	1538	1549D	N14	E02	.289	16014	15.8	14D	-N	3	C	35				
GRP74525	15	1539+1	1542+4	1601	S18	E25	.483	16009	17.5	22	-F			70	.8	EJ		
BIGB	15	1539	1542	1547	S17	E25	.476	16009	17.5	8	-N	2	C	1547	60	.7	EJ	
MCMA	15	1540	1546	1615D	S19	E26	.503	16009	17.6	35D	-F	C	1546	80	.9	EJ		
526 MCMA	15	1600	1603	1615	S31	E02	.475	16017	15.8	15	-F	C	1603	35	.4	E	Y5	
GRP74527	15	1610+5	1618+5	1645	S15	W30	.530	16001	13.4	35	-N						EU	
HTPR	15	1610		1632D	S15	W31	.544	16001	13.3	22D	-N	C	1616	80	.9	E		
HUAN	15	1611	1620	1633	S16	W28	.509	16001	13.6	22	-N	1	C	1620	45	.5	E	
MCMA	15	1612		1647	S16	W29	.522	16001	13.5	35	-B	C	1623	90	1.1	E		
WEND	15	1612	1623	1651	S15	W31	.544	16001	13.4	39	1N	C		400	5.0	CE		
HOLL	15	1612	1618	1648	S15	W31	.544	16001	13.4	36	-B	3	C	152			U	
RAMY	15	1615	1618	1641	S16	W28	.509	16001	13.6	26	-B	3	C	93			F	
GRP74528	15	1703+1	1704+3	1713	N14	00	.287	16014	15.7	10	-N			50	.5			
BIGB	15	1703	1704	1715	N15	E00	.304	16014	15.7	12	-N	2	C	1704	60	.6		
HOLL	15	1704	1707	1711	N14	E00	.287	16014	15.7	7	-N	3	C	36				
GRP74529	15	1724+0	1724+0	1730	S21	W46	.747	15996	12.3	6	-N			45	.7	E		
HOLL	15	1724	1724	1730	S22	W47	.761	15996	12.2	6	-N	3	C	35				
MCMA	15	1724	1724	1729	S21	W46	.747	15996	12.3	5	-B	C	1724	50	.8	E		
GRP74530	15	1802	1805	1820	N15	E02	.306	16014	15.9	18	-N			45	.5	E		
BIGB	15	1802	1805	1824	N15	E02	.306	16014	15.9	22	-N	2	P	1805	40	.4	E	
MCMA	15	1803E		1816	N15	E02	.306	16014	15.9	13D	-N	C	1808	50	.6	E		
531 BIGB	15	1824	1826	1837	N27	E01	.496	16007	15.8	13	-N	2	C	1826	20	.2		Y5
532 BIGB	15	1829	1830	1833	N03	W57	.841	15992	11.5	4	-N	2	C	1830	20	.4		Y5
533 BIGB	15	1929	1941	1947	N26	E38	.727	16012	18.7	18	-N	2	C	1941	30	.4		Y5
534 HOLL	15	2015	2021	2032	N09	W61	.882	15992	11.3	17	-B	3	C	23				Y5
535 BIGB	15	2103	2105	2112	N14	E18	.414	16010	17.2	9	-B	2	C	2105	20	.2		Y5
536 BIGB	15	2106	2111	2130	N15	E00	.304	16014	15.9	24	-N	2	C	2111	90	.9		Y5
537 HOLL	15	2141	2144	2152	S15	W34	.584	16001	13.4	11	-N	3	C	27				Y5
GRP74538	15	2218+1	2221+3	2304	N24	E47	.798	16012	19.5	46	1B							U
BIGB	15	2218	2224	2303	N23	E45	.775	16012	19.3	42	1B	2	C	2224	300	4.4		
CULG	15	2218	2221	2307	N22	E47	.789	16012	19.5	49	-B	C	2221	120	1.9			
HOLL	15	2219	2224	2304	N26	E47	.806	16012	19.5	45	2B	3	C	479				UDE
PALE	15	2225E	2225J	2230D	N26	E54	.862	16012	20.0	5D	-B	3	V	140				FDE
539 CULG	15	2220	2230	2250	N24	W67	.941	15990	10.9	30	-F	C	2230	40				Y5
GRP74540	15	2356	0001	0013	N15	W04	.311	16014	15.7	17	-N							
CULG	15	2356	2401	0013	N15	W04	.311	16014	15.7	17	-N	C	2401	80	.8			
CULG	15	2357	2401	0009	N15	W04	.311	16014	15.7	12	-N	C	2401	50	.5			T

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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.											
541 CULG	16	0059	0101	0105	N15	W35	.627	15999	13.4	6	-F	C	0101	10	.1	Y5	
542 CULG	16	0338	0342	0359	N15	W32	.591	15999	13.8	21	-F	C	0342	40	.5	Y5	
GRP74543	16	0930	0933	0955	N15	W11	.353	16014	15.6	25	-F					D	
KANZ	16	0930	0933	0949	N15	W11	.353	16014	15.6	19	-F	1					
KHAR	16	0933E		1000	N16	W12	.375	16014	15.5	270	-F	P	0938	100	1.0	D	
GRP74544	16	0937+8	0947+2	0952	S21	W61	.884	15996	11.8	15	-F					E	
KHAR	16	0937	0947	09580	S22	W63	.899	15996	11.7	210	-N	V	0947			E	
KANZ	16	0941	0949	09520	S22	W61	.885	15996	11.8	110	-F	1					
ZURI	16	0945	0947	0949	S21	W60	.876	15996	11.9	4	1N	C	0947	120	2.7		
MONT	16	0945	0947	0952	S21	W61	.884	15996	11.8	7	-F	C	0947	50			
545 KHAR	16	1007E		10200	N26	W85	.998	15990	10.0	130	-F	P				Y5	
546 KHAR	16	1008E		10200	S22	W63	.899	15996	11.7	120	-F	P				Y5	
GRP74547	16	1030+5	1031+4	1045	N15	W10	.345	16014	15.7	15	-N			70	.7	E	
KHAR	16	1015E	1031	1110	N16	W12	.375	16014	15.5	550	1N	P	1055	300	3.0	E	
MONT	16	1030	1034	1046	N15	W09	.337	16014	15.8	16	-N	C	1034	80		E	
HTPR	16	1030	1031	1045	N14	W10	.331	16014	15.7	15	-N	C	1031	50	.5	E	
ZURI	16	1031	1033	1045	N15	W10	.345	16014	15.7	14	1N	C	1033	220	2.5		
GATA	16	1035	1035	1045	N14	W08	.315	16014	15.8	10	-N	2	P	1035	56	.6	
GRP74548	16	1136+1	1139+0	1146	S21	W62	.891	15996	11.8	10	-N						
KHAR	16	1136E	1139	11500	S22	W63	.899	15996	11.8	140	-N	V	1139				
ZURI	16	1137	1139	1141	S21	W61	.884	15996	11.9	4	-N	C	1139	60	1.3		
549 KHAR	16	1147E		12000	N16	W12	.375	16014	15.6	130	-N	V				E	
550 MCMA	16	1207	1222	12550	N14	W12	.349	16014	15.6	480	-N	C	1222	60	.6	E	
551 MCMA	16	1210E	1215	1229	N14	W40	.682	15999	13.5	190	-F	C	1215	30	.4	E	
552 MCMA	16	1226	1229	13000	N14	E11	.339	16010	17.3	340	-F	C	1229	30	.3	E	
GRP74553	16	1259+2	1301+2	1309	S16	W40	.664	16001	13.5	10	-F			50	.8	E	
ZURI	16	1259	1301	1307	S16	W40	.664	16001	13.5	8	-F	C	1301	80	1.1		
MCMA	16	1301	1303	1310	S16	W40	.664	16001	13.5	9	-F	C	1303	50	.7	E	
554 MCMA	16	1305	1309	1325	N14	W40	.682	15999	13.5	20	-N	C	1309	40	.5	E	
555 HTPR	16	1325	1335	1348	N14	W12	.349	16014	15.7	23	-F	C	1335	20	.2	E	
GRP74556	16	1405+8	1419	1458	N14	W43	.716	15999	13.4	53	-F					E	
MCMA	16	1405	1437	1518	N14	W43	.716	15999	13.4	73	1N	C	1437	140	2.0	E	
ZURI	16	1407	1419	1511	N14	W44	.727	15999	13.3	64	-N	C	1419	140	2.1		
HUAN	16	1412	1433	1440	N15	W45	.742	15999	13.2	28	-F	1	C	1430	50	.7	E
KANZ	16	1413	1433	1444	N13	W42	.701	15999	13.4	31	-F	2				E	
557 BIGB	16	1438E	1438	1520	N13	E43	.712	16015	19.8	420	-N	1	P	1438	110	1.6	Y5
GRP74558	16	1500+5	1504+5	1524	S22	W65	.913	15996	11.7	24	-N					E	
BIGB	16	1500	1508	1530	S22	W66	.919	15996	11.7	30	-9	2	P	1508	100		
HOLL	16	1501	1504	1550	S22	W59	.870	15996	12.2	49	-N	3	C		39		
MCMA	16	1504	1508	1520	S20	W66	.918	15996	11.7	16	-F	C	1508	40	1.0	E	
KANZ	16	1504	1507	1521	S22	W66	.919	15996	11.7	17	-N	1					
ZURI	16	1505	1509	1511	S21	W63	.898	15996	11.9	6	1N	C	1509	140	3.1		
559 MCMA	16	1529	1543	1558	N14	W13	.358	16014	15.7	29	-N	C	1543	50	.5	E	
GRP74560	16	1558+3	1601+2	1649	N14	W42	.705	15999	13.5	51	-N			45	.6	E	
HUAN	16	1558	1603	1620	N15	W42	.709	15999	13.5	22	-N	1	C	1603	30	.4	
MCMA	16	1559	1601	1618	N14	W44	.727	15999	13.4	19	-N	C	1601	25	.4	D	
WEND	16	1601	1635	16410	N14	W39	.670	15999	13.7	400	-N	C		200	2.7	E	
KANZ	16	1606E		16480	N14	W42	.705	15999	13.5	420	-F	1					
HUAN	16	1634	1635	1644	N14	W42	.705	15999	13.5	10	-N	2	C	1635	35	.5	E
HOLL	16	1636	1636	1653	N14	W41	.693	15999	13.6	17	-8	3	C		46		
MCMA	16	1637E	1638	1649	N14	W44	.727	15999	13.4	120	-F	C	1638	40	.6	E	
561 KANZ	16	1629	1633	1644	S10	E78	.977	16023	22.5	15	-F	2				Y5	
562 HUAN	16	1806		1808	N21	W39	.705	15999	13.8	2	-F	1	C				E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR. AREA Sq. Deg.		
					LAT.	MER. DIST.												
GRP74563	16	1807+3	1811	1828	S20	W64	.904	15996	12.0	21	-N							
HOLL	16	1807	1811	1828	S21	W62	.891	15996	12.1	21	-B	3	C		26			
HUAN	16	1810		1817D	S20	W67	.924	15996	11.7	7D	-F	1	P					
564 BIGB	16	1827	1830	1836	N07	W80	.986	15992	10.8	9	-B	3	C	1830	20		Y5	
GRP74565	16	1844+6	1851+1	1904	N15	W44	.731	15999	13.5	20	-N				40	.6	D	
BIGB	16	1844	1851	1912	N16	W45	.745	15999	13.4	28	-N	*	C	1851	60	.9	D	
MCMA	16	1848	1852	1856	N14	W44	.727	15999	13.5	8	-F	*	C	1852	25	.3	D	
HOLL	16	1850	1852	1853D	N15	W42	.709	15999	13.6	3D	-B	*	C		27			
GRP74566	16	1847+3	1851+2	1858	S21	W66	.919	15996	11.8	11	-N				35		D	
BIGB	16	1847	1851	1912	S22	W66	.919	15996	11.8	25	-N	3	C	1851	50		D	
HUAN	16	1847		1858	S20	W66	.918	15996	11.8	11	-F	1	C	1853	20		D	
MCMA	16	1847	1851	1855	S21	W66	.919	15996	11.8	8	-F		C	1851	40	1.0	D	
HOLL	16	1850	1853	1853D	S21	W62	.891	15996	12.1	3D	-B	3	C		28			
GRP74567	16	1855+0	1857+0	1913	N14	E05	.297	16010	17.2	18	-B				110	1.2	E	
MCMA	16	1855	1857	1917	N13	E05	.281	16010	17.2	22	-B		C	1857	110	1.2	E	
HUAN	16	1855	1857	1910	N14	E05	.297	16010	17.2	15	-N	2	C	1857	80	.8	E	
BIGB	16	1855	1857	1913	N15	E06	.318	16010	17.2	18	-B	3	C	1857	140	1.5		
GRP74568	16	1955	2003	2007	S21	W67	.925	15996	11.8	12	-F						E	
MCMA	16	1955	2003	2008D	S21	W66	.919	15996	11.9	13D	-N		C	2003	50	1.3	E	
HUAN	16	2000E		2005	S21	W68	.931	15996	11.7	5D	-F	1	P				C	
569 MCMA	16	1958	2001	2004	S11	E77	.973	16023	22.6	6	-F		C	2001			D	Y5
GRP74570	16	1958+9	2018	2028	N14	W15	.379	16014	15.7	30	-F						D	
MCMA	16	1958	2008	2008D	N14	W15	.379	16014	15.7	10D	-N		C	2008	50	.5	D	
HUAN	16	2008	2018	2028	N14	W15	.379	16014	15.7	20	-F	1	C	2018	20	.2	D	
571 BIGB	16	2127	2129	2132	S20	W63	.897	15996	12.2	5	-N	2	C	2129	30	.7		Y5
GRP74572	16	2133+1	2144+2	2206	N15	W16	.401	16014	15.7	33	-N				80	.9		
PALE	16	2133	2146	2154	N15	W17	.412	16014	15.6	21	-N	*	C		65		FDE	
BIGB	16	2134	2144	2213	N16	W16	.413	16014	15.7	39	-N	*	C	2144	90	1.0		
CULG	16	2138E	2138E	2206	N15	W15	.391	16014	15.8	28D	-N	*	P	2138	90	1.0	B	
GRP74573	16	2144+1	2145+3	2152	S20	W67	.924	15996	11.9	8	-N				20			
BIGB	16	2133	2146	2158	S20	W63	.897	15996	12.2	25	-N	2	C	2146	30	.7		
CULG	16	2144	2148	2152	S19	W70	.941	15996	11.7	8	-F		C	2148	10		T	
PALE	16	2145	2145	2153	S21	W67	.925	15996	11.9	5	-N	3	C		12-		DE	
574 CULG	16	2202	2206	2238	S18	E70	.941	0	22.2	36	-F		C	2206	40		T	Y5
575 CULG	16	2354	2358	0011	N08	E20	.384	0	18.5	17	-F		C	2358	20	.2	G	Y5
GRP74576	17	0030+3	0033+1	0039	N13	E06	.285	16010	17.5	9	-B				50	.5	FH	
CULG	17	0030	0033	0042	N13	E07	.292	16010	17.5	12	-B		C	0033	60	.6		
PALE	17	0033	0034	0036	N14	E05	.296	16010	17.4	3	-B	3	C		51		F H	
577 PALE	17	0039	0039	0100	S21	W69	.937	15996	11.9	21	-N	3	C		32		DE	Y5
GRP74578	17	0107+9	0118+4	0138	S22	W69	.937	15996	11.9	31	-B				70		F	
PALE	17	0107	0122	0139D	S21	W69	.937	15996	11.9	32D	-B	3	C		69		F	
CULG	17	0116	0118	0136	S22	W69	.937	15996	11.9	20	-N		C	0118	30		T	
BIGB	17	0117	0119	0119D	S22	W67	.926	15996	12.1	2D	-B	3	C	0119	100			
579 CULG	17	0114	0116	0120	N26	E36	.707	16012	19.8	6	-F		C	0116	10	.1		Y5
580 CULG	17	0122	0127	0144	S23	W46	.755	16001	13.6	22	-F		C	0127	50	.8	G	Y5
581 CULG	17	0122	0127	0131	N13	E07	.292	16010	17.6	9	-F		C	0127	30	.3		Y5
582 CULG	17	0159	0201	0208	N23	W42	.745	15999	13.9	9	-F		C	0201	30	.4		Y5
583 CULG	17	0235	0238	0252	N08	W31	.539	16000	14.8	17	-N		C	0238	20	.2	G	Y5
584 CULG	17	0313	0314	0320	N19	W90	1.000	15990	10.4	7	-N		C	0314	20			Y5
585 CULG	17	0315	0320	0329	S22	W73	.958	15996	11.7	14	-N		C	0320	20		T	Y5
586 CULG	17	0330	0330	0333	N17	W85	.997	15990	10.8	3	-F		C	0330	10			Y5
587 CULG	17	0355	0417J	0456	N10	E03	.222	16010	17.4	61	-F		C	0417	70	.7	FL	Y5

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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.											
GRP74588	17	0536	0539	0605	N12	E03	.255	16010	17.5	29	-B						E
CULG	17	0536	0539	0605	N13	E00	.267	16010	17.2	29	-B	C	0539	106	1.0		
TACH	17	0540E		0550D	N12	E06	.270	16010	17.7	100	1F	V	0544	221	2.3		E
589 CULG	17	0542	0553	0601	N25	E20	.554	16012	18.7	19	-F	C	0553	10	.1		Y5
GRP74590	17	0850+6	0858+4	1052	S19	W75	.966	15996	11.7	122	-N						EH
			1023+1														
KHAR	17	0850	0902	0947D	S19	W76	.970	15996	11.7	57D	1N	* P	0918	200			EHT
MONT	17	0856	0858	0905	S18	W78	.978	15996	11.5	9	-F	* C	0858	50			D
KANZ	17	0856	1024	1104D	S22	W73	.958	15996	11.9	128D	-N	*					
KHAR	17	1008E		1026D	S20	W75	.966	15996	11.8	18D	-F	* P	1017				T
MONT	17	1020	1023	1039	S21	W76	.971	15996	11.7	19	-N	* C	1023	100			E
GRP74591	17	0852		1104D	N15	W23	.480	16014	15.6	132	-F						E
KANZ	17	0852		1104D	N15	W25	.504	16014	15.5	132D	-F	1					
KHAR	17	0902E		0955D	N16	W22	.478	16014	15.7	53D	-N	P	0918	150	1.7		E
592 KHAR	17	0950E	0950	0952D	N32	W43	.802	16003	14.2	2D	-F	V	0950				Y5
593 KHAR	17	1120E		1138D	S19	W75	.966	15996	11.8	18D	-N	V	1120				T Y5
GRP74594	17	1340+4	1347+2	1353	S22	W78	.978	15996	11.7	13	-N			30			D
LVOV	17	1340	1349	1415	S23	W78	.978	15996	11.7	35	1N	C	1349	150			D
HUAN	17	1341	1347	1352	S21	W84	.994	15996	11.3	11	-N	1 C	1347	25			D
MCMA	17	1343	1347	1353	S22	W78	.978	15996	11.7	10	-B	C	1347	30	1.5		D
KANZ	17	1344		1352D	S23	W77	.975	15996	11.8	8D	-N	1					
GRP74595	17	1351+1	1354+0	1401	N17	W57	.861	15999	13.3	10	-F			25	.5		D
MCMA	17	1351	1354	1405D	N17	W58	.870	15999	13.2	14D	-N	C	1354	25	.5		D
HUAN	17	1352	1354	1357	N17	W56	.853	15999	13.4	5	-F	1 C	1354	20	.3		D
596 MCMA	17	1410	1413	1418	S22	W78	.978	15996	11.7	8	-F	C	1413	30	1.5		E Y5
GRP74597	17	1507+3	1509+3	1526	N18	W57	.864	15999	13.4	19	-N			25	.5		
			1519														
HOLL	17	1426	1510	1512D	N15	W54	.831	15999	13.6	46D	-B	3 V		126			DE
BIGB	17	1507	1509	1528	N18	W56	.855	15999	13.4	21	-B	3 C	1509	20	.4		
MCMA	17	1507	1510	1524	N19	W59	.881	15999	13.2	17	-B	C	1510	20	.4		D
KANZ	17	1508	1519	1530	N17	W57	.861	15999	13.4	22	-F	1					
HUAN	17	1510	1512	1516	N19	W57	.866	15999	13.4	6	-F	1 C	1512	30	.6		E
598 HOLL	17	1511	1524	1539	S21	W74	.962	15996	12.1	28	-N	3 C		25			F Y5
599 HOLL	17	1522	1523	1535	N25	E22	.570	16012	19.3	13	-N	3 C		20			Y5
600 HOLL	17	1540	1543	1549	N25	E22	.570	16012	19.3	9	-N	3 C		23			Y5
GRP74601	17	1620+1	1621	1624	S20	W80	.984	15996	11.7	4	-N						D
HUAN	17	1620	1621	1624	S20	W83	.992	15996	11.5	4	-N	2 C	1621	25			D
KANZ	17	1621		1621D	S21	W77	.974	15996	11.9		-N	1					
GRP74602	17	1632+9	1645+2	1712	S22	W80	.984	15996	11.7	40	-N			50			
BIGB	17	1632	1647	1731	S22	W80	.984	15996	11.7	59	-B	3 C	1647	160			
MCMA	17	1640	1645	1705	S22	W75	.967	15996	12.1	25	1N	C	1645	50	2.0		D
HUAN	17	1641		1712	S20	W80	.984	15996	11.7	31	-N	1 C	1647	30			E
603 MCMA	17	1734	1748	1808	N18	W60	.887	15999	13.2	34	-N	C	1748	40	.9		E Y5
604 MCMA	17	1826	1829	1833	S22	W80	.984	15996	11.8	7	-F	C	1829	25	1.5		D Y5
GRP74605	17	1845+2	1847+1	1854	N16	W55	.842	15999	13.7	9	-N			50	.9		DV
MCMA	17	1845	1847	1854	N16	W55	.842	15999	13.7	9	-B	C	1847	50	1.0		DV
BIGB	17	1845	1847	1908	N16	W56	.851	15999	13.6	23	-N	3 C	1847	80	1.5		
HUAN	17	1847	1848	1852	N16	W55	.842	15999	13.7	5	-N	1 C	1848	25	.4		D
606 BIGB	17	1912	1916	1930	S16	W39	.652	16005	14.9	18	-N	3 C	1916	30	.4		Y5
607 BIGB	17	1916	1920	1948	S20	W80	.984	15996	11.8	32	-B	3 C	1920	90			Y5
608 BIGB	17	1939	1943	1958	S14	W60	.869	16001	13.3	19	-N	3 C	1943	34	.6		Y5
GRP74609	17	1953+3	2003+2	2026	S21	W80	.984	15996	11.8	33	-B						E
			2012														
HOLL	17	1953	2003	2027	S22	W74	.962	15996	12.3	34	-B	3 C		20			
BIGB	17	1956	2005	2031	S20	W80	.984	15996	11.8	35	-B	3 C	2005	96			
MCMA	17	2007E	2012	2025D	S22	W82	.989	15996	11.7	18D	-F	C	2012				E
HUAN	17	2010		2020	S21	W80	.984	15996	11.8	10	-F	1 C					

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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.											
GRP74610	17	2031+0	2033	2037	N16	W56	.851	15999	13.7	6	-F						
MCHA	17	2031	2033	2038	N16	W56	.851	15999	13.7	7	-N	C	2033	50	1.0		E
HUAN	17	2031		2036	N16	W56	.851	15999	13.7	5	-F	1	C				O
611 HOLL	17	2127	2128	2135	N15	W58	.866	15999	13.5	8	-B	3	C		21		Y5
GRP74612	17	2145	2146+2	2159	S21	E85	.995	16025	24.3	14	-N				20		
BIGB	17	2145	2146	2155	S21	E85	.995	16025	24.3	10	-B	3	C	2146	20		
CULG	17	2146E	2148	2202	S21	E85	.995	16025	24.3	160	-N	P	2148	20			
613 CULG	17	2208	2212	2220	N18	E57	.864	16020	22.2	12	-F	C	2212	20	.4		Y5
614 CULG	17	2213	2218	22260	S18	W78	.978	15996	12.1	130	-N	P	2218	30		T	Y5
615 CULG	17	2219	2226	22260	S14	W40	.658	16005	14.9	70	-F	P	2226	30	.4		Y5
616 CULG	17	2250	2257	2309	N16	W28	.549	16014	15.9	19	-F	C	2257	10	.1		Y5
GRP74617	17	2310+6	2318+2	2341	S19	W80	.984	15996	12.0	31	-N				15		F
CULG	17	2310	2320	2349	S19	W84	.994	15996	11.7	39	-N	C	2320	20		T	
HOLL	17	2316	2318	2333	S19	W76	.970	15996	12.3	17	-B	2	C		14		F
618 CULG	17	2338	2354	0045	N16	W50	.796	15999	14.2	67	-N	C	2354	60	1.2		Y5
GRP74619	18	0014+3	0019+3	0038	S19	W85	.995	15996	11.6	24	-B				20		
CULG	18	0014	0022	0038	S19	W87	.998	15996	11.5	24	-B	C	0022	20		T	
HOLL	18	0017	0019	0031	S19	W75	.966	15996	12.4	14	-B	2	C		21		
BIGB	18	0022E	0022	0038	S21	W85	.995	15996	11.6	160	-N	2	P	0022	80		
620 CULG	18	0021	0025	0034	N16	W29	.560	16014	15.8	13	-F	C	0025	20	.2		Y5
621 BIGB	18	0040	0051	0106	S21	W85	.995	15996	11.7	26	-N	2	C	0051	40		Y5
622 CULG	18	0148	0204	0220	S29	W28	.611	16017	16.0	32	-F	C	0204	30	.4	K	Y5
623 CULG	18	0240	0246	0326	N16	E53	.824	16020	22.1	46	-B	C	0246	90	1.7		Y5
624 CULG	18	0331	0335	0350	N16	W30	.572	16014	15.9	19	-F	C	0335	20	.2		Y5
625 CULG	18	0331	0336	0406	S16	W45	.723	16005	14.8	35	-N	C	0336	30	.5		Y5
626 CULG	18	0420	0431	0515	S29	W32	.649	16017	15.8	55	-F	C	0431	20	.3	K	Y5
627 CULG	18	0446	0455	0628U	N35	W58	.912	16003	13.8	1020	-F	C	0455	70	1.8	LFK	Y5
628 CULG	18	0509	0510	0521	S22	W54	.829	16001	14.2	12	-N	C	0510	50	.7		Y5
629 CULG	18	0516	0516	0521	N14	E54	.829	16020	22.3	5	-F	C	0516	30	.6	V	Y5
630 ABST	18	0516	0522	0525	N19	W35	.649	16014	15.6	9	-F	C	0522	87	1.2	DJ	Y5
GRP74631	18	0517+4	0519+5	0535	S18	W89	1.000	15996	11.5	18	-N						ADJ
CULG	18	0517	0519	0534	S19	W88	.999	15996	11.6	17	-N	C	0519	20		T	
ABST	18	0521	0524	0535	S17	W90	1.000	15996	11.5	14	1N	C	0524	87		ADJ	
632 ABST	18	0526	0530	0535	N22	E12	.454	16012	19.1	9	-F	C	0530	87	1.0	D	Y5
633 CULG	18	0530	0536	0607	S14	W45	.719	16005	14.9	37	-N	C	0536	50	.7		Y5
634 ABST	18	0605	0610	0620	S17	W90	1.000	15996	11.5	15	?N	C	0610	87		ADJ	Y5
		IMP.1	NO	HTPR													
GRP74635	18	0645+5	0650+5	0700	S18	W90	1.000	15996	11.5	15	-N				30		AJ
HTPR	18	0645	0652	0700	S20	W90	1.000	15996	11.5	15	-F	C	0652	30		E	
CATA	18	0650	0650	0705D	S18	W90	1.000	15996	11.5	150	-N	2	P	0650	28		
ABST	18	0650	0655	0700	S17	W90	1.000	15996	11.5	10	1N	C	0655	87		ADJ	
636 ABST	18	0655	0656	0705	N16	E49	.786	16020	22.0	10	-N	C	0656	87	1.4	FV	Y5
637 KANZ	18	0758	0802	0806	S16	W46	.735	16005	14.9	8	-F	1					Y5
GRP74638	18	0812+3	0814+3	0826	N15	W33	.602	16014	15.9	14	-F				50	.6	E
MONT	18	0812	0814	0826	N17	W33	.614	16014	15.9	14	-F	C	0814	50		E	
KANZ	18	0814	0814	0826	N15	W34	.614	16014	15.8	12	-N	2				E	
KHAR	18	0814E	0817	0824D	N16	W33	.608	16014	15.9	100	-F	P				E	
CATA	18	0815	0815	0825	N15	W33	.602	16014	15.9	10	-N	2	C	0815	56	.7	



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.			
					LAT.	NER. DIST													
639 KHAR	18	0824E		0824D	N14	H73	.962	14999	12.9		-F	P					D	Y5	
640 KHAR	18	0855E		0902D	S20	H90	1.000	15996	11.6	7D	-N	P	0859				T	Y5	
GRP74641	18	0857+8	0907+0	0912	N17	H62	.900	15999	13.7	15	-F			50	1.1		E		
ZURI	18	0857	0907	0911	N18	H63	.908	15999	13.6	14	-N	C	0907	60	1.5		E		
MONT	18	0905	0907	0912	N17	H62	.900	15999	13.7	7	-F	C	0907	50			E		
642 KHAR	18	1110E	1117	1123D	S20	H90	1.000	15996	11.7	13D	-F	P	1117				T	Y5	
643 KHAR	18	1146E		1206D	S20	H90	1.000	15996	11.7	20D	-F	P	1146				T	Y5	
644 KHAR	18	1155E	1156	1202D	N18	H62	.901	15999	13.8	7D	-N	P	1158	80	1.8		T	Y5	
645 ZURI	18	1209	1211	1223	S21	E90	1.000	16030	25.3	14	-N	C	1211	60			E	Y5	
646 HUAN	18	1534	1538	1540	S19	H90	1.000	15996	11.9	6	-F	1	C	1538	15			Y5	
GRP74647	18	1535+3	1538+0	1552	S12	E41	.666	16023	21.7	17	-N			40	.5				
BIGB	18	1535	1538	1555	S12	E42	.678	16023	21.8	20	-N	2	C	1538	30	.4			
MCMA	18	1536	1538	1552	S13	E40	.656	16023	21.7	16	-N	C	1538	30	.4		E		
HOLL	18	1538	1538	1550	S12	E41	.666	16023	21.7	12	-B	3	C		45			F	
648 HOLL	18	1537	1537	1541	N14	H39	.669	16014	15.7	4	-N	3	C		36			Y5	
649 MCMA	18	1547	1551	1558D	N16	H70	.948	15999	13.4	11D	-F	C	1551				E	Y5	
GRP74650	18	1620+3	1625+0	1631	S12	E40	.653	16023	21.7	11	-F			25	.3		E		
HTPR	18	1620	1625	1631	S12	E39	.640	16023	21.6	11	-F	C	1625	30	.4		E		
BIGB	18	1623	1625	1625D	S12	E42	.678	16023	21.8	2D	-N	2	P	1625	20	.3			
651 BIGB	18	1834	1838	1842	S18	H90	1.000	15996	12.0	8	-N	3	C	1838	30			Y5	
652 BIGB	18	1846	1856	1905	S18	H90	1.000	15996	12.0	19	-B	3	C	1856	60			Y5	
653 PALE	18	1912	1915	1928	N15	H70	.948	15999	13.6	16	-B	3	C		18			F	Y5
GRP74654	18	1925+0	1928+2	1955	N16	H41	.701	16014	15.7	30	-B			120	1.7		E		
PALE	18	1925	1930	1943D	N15	H42	.708	16014	15.7	18D	-B	3	V	121			OE		
BIGB	18	1925	1928	1957	N16	H41	.701	16014	15.7	32	-B	3	C	1928	120	1.6			
MCMA	18	1933E		1952	N16	H40	.689	16014	15.8	19D	-B	P	1933	50	.7		E		
655 VORO	18	2152	2155	2207	S18	H90	1.000	15996	12.2	15	-N	C	2155	45			EL	Y5	
656 VORO	18	2229	2233	2243	N16	H76	.975	15999	13.2	14	?N	C	2233	116			D	Y5	
		IMP.1	NO	BIG3		CULG													
GRP74657	18	2231+9	2245+0	2303	S24	E82	.990	16030	25.1	32	-N			30			J		
CULG	18	2231	2245	2314	S24	E80	.985	16030	24.9	43	-N	C	2245	40			J		
BIGB	18	2242	2245	2251	S25	E85	.995	16030	25.3	9	-N	2	C	2245	20				
GRP74658	18	2237+8	2246+1	2258	N17	E40	.694	16020	21.9	21	-F			60	.8		EG		
CULG	18	2237	2246	2258	N18	E41	.710	16020	22.9	21	-N	C	2246	40	.6				
VORO	18	2245	2247	2248D	N17	E40	.694	16020	21.9	30	-F	C	2247	81	1.1		EG		
659 VORO	18	2242	2245	2248	S23	H90	1.000	15996	12.2	6	-N	C	2245	27			D	Y5	
GRP74660	18	2300+9	2303	2330	N15	H74	.967	15999	13.4	3D	-F								
				2326															
CULG	18	2300	2303	2321	N15	H73	.962	15999	13.5	21	-F	C	2303	40			T		
VORO	18	2312	2326	2338	N15	H76	.975	15999	13.3	26	1F	C	2326	134					
661 CULG	18	2300	2303	2310	N14	H20	.434	16010	17.5	10	-F	C	2303	20	.2			Y5	
GRP74662	18	2329+0	2331+1	2337	N14	H20	.434	16010	17.5	8	-N						DGH		
VORO	18	2329	2331	2337	N15	H21	.455	16010	17.4	8	-N	C	2331	116	1.3		DGH		
CULG	18	2329	2332	2336D	N14	H20	.434	16010	17.5	7D	-N	C	2332	30	.3				
663 HOLL	18	2345	2353	2354D	N26	H50	.829	16003	15.2	9D	-N	2	C		30			Y5	
664 VORO	18	2355	2357	2358	N15	H76	.975	15999	13.3	3	?N	P	2357	134				Y5	
		IMP.1	NO	BIG3		CULG													
665 CULG	18	2358	2358	0006	S23	E80	.984	16030	25.0	8	-N	C	2358	10				Y5	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP. DAY	COND	TYPE	TIME UT	HEAS. AREA Mill. of Disk		CDRR AREA Sq. Deg.	
					LAT.	MER. DIST.												
GRP74666	19	0006+1	0009+0	0031	N15	H78	.982	15999	13.2	25	-F							
CULG	19	0006	0009	0031	N15	H76	.975	15999	13.3	25	-F	C	0009	60			T	
VORO	19	0007	0009	0030	N15	H80	.988	15999	13.0	30	-N	P	0009	72				
667 CULG	19	0100	0103	0116	N14	H77	.978	15999	13.3	16	-N	C	0103	30			T Y5	
668 CULG	19	0150	0154	0210	S16	H57	.846	16005	14.8	20	-F	C	0154	30	.6		Y5	
669 CULG	19	0307	0314	0322	N16	H78	.982	15999	13.3	15	-F	C	0314	20			T Y5	
670 CULG	19	0342	0349	0355	N16	H22	.475	16010	17.5	13	-F	C	0349	30	.3		L Y5	
GRP74671	19	0424+4	0427+4	0445	N16	H75	.971	15999	13.6	21	-N			40				
CULG	19	0424	0427	0448	N17	H79	.985	15999	13.3	24	-B	C	0427	40			T	
HANI	19	0428	0431	0442	N16	H72	.958	15999	13.8	14	-N	3 C		40				
672 CULG	19	0519	0530	06450	S26	H56	.855	0	15.0	860	-N	C	0530	90	1.5		FU Y5	
673 CULG	19	0544	0550	0556	N16	H77	.979	15999	13.5	12	-F	C	0550	50			T Y5	
GRP74674	19	0725	0735	0805	N25	E01	.458	16012	19.4	40	-F			110	1.2		E	
CATA	19	0725	0735	0805	N24	H02	.443	16012	19.2	40	-N	1 C	0735	112	1.3		E	
BUCA	19	0732E		07550	N25	E01	.458	16012	19.4	230	-F	C	0735	107	1.2		E	
MONT	19	0744E	0744	08020	N26	E04	.477	16012	19.6	180	-F	C	0744	50				
675 MONT	19	0843	0852	0858	N16	H80	.988	15999	13.4	15	-N	C	0852	50			E Y5	
676 MONT	19	0952	0954	1004	N16	H80	.988	15999	13.4	12	-N	C	0954	60			E Y5	
677 MONT	19	1006	1008	1012	S21	E79	.981	16030	25.3	6	-F	C	1008	50			E Y5	
GRP74678	19	1127+2	1128+3	1139	S29	H47	.789	16017	16.0	12	-N						E	
MONT	19	1127	1128	1138	S28	H48	.793	16017	15.9	11	-N	C	1128	80			E	
LVOV	19	1129	1131	1139	S30	H47	.793	16017	16.0	10	1F	C	1131	200	2.7		E	
679 LVOV	19	1426	1428	1438	N16	H90	1.000	15999	12.9	12	?N	C	1428	200			D Y5	
		IMP.1 NO	: MCMA	HOLL	HUAN													
680 PALE	19	2035	2036	20530	N16	H84	.996	15999	13.6	180	-B	2 C					Y5	
	19	2100	2143	NO FLARE PATROL														
	19	0608	0610	NO FLARE PATROL														
681 VORO	19	2234	2236	2240	N23	H15	.487	16012	18.8	6	-F	C	2236	116	1.3		Y5	
682 CULG	20	0030	0048	0114	N29	H87	1.000	16003	13.5	44	?N	C	0048	50			Y5	
		IMP.1 NO	: MITK	HOLL	VORO													
683 CULG	20	0117	0120	0126	N37	H48	.859	16018	16.5	9	-F	C	0120	60	1.2		Y5	
684 CULG	20	0140	0145	0155	N18	E80	.988	16031	26.1	15	-F	C	0145	20			Y5	
685 CULG	20	0147	0150	0210	N26	H80	.990	16003	14.1	23	-N	C	0150	40			T Y5	
686 CULG	20	0410	0417	0431	S29	E53	.839	16026	24.1	21	-F	C	0417	40	.8		Y5	
687 CULG	20	0450	0451	0513	N24	E30	.631	16024	22.5	23	-N	C	0451	40	.5		Y5	
GRP74688	20	0856+4	0906+4	0925	S17	H73	.957	16005	14.9	29	-N						D	
KHAR	20	0856E	0907	09250	S17	H77	.974	16005	14.6	290	-B	V	0910				D	
KANZ	20	0858	0906	0925	S17	H72	.952	16005	15.0	27	-N	1						
CATA	20	0900	0910	0925	S13	H73	.956	16005	14.9	25	-N	2 C	0910	28				
689 KHAR	20	0905E		10050	N16	H60	.883	16014	15.9	600	-F	P	0933	65	1.2		T Y5	
690 KHAR	20	0924E	0925	09500	S24	E65	.916	16030	25.3	260	-F	P	0933	70			Y5	
GRP74691	20	0933+2	0937+3	1000	N23	H18	.509	16012	19.0	27	-N						HU	
KANZ	20	0933	0937	1005	N21	H18	.486	16012	19.0	32	-N	2					U	
KHAR	20	0934E	0938	10000	N23	H18	.509	16012	19.0	260	1F	P	0947	220	2.7		H	
CATA	20	0935	0940	0955	N23	H17	.501	16012	19.1	20	-N	2 C	0940	112	1.3			
592 KHAR	20	1003E		10170	S17	H77	.974	16005	14.6	140	-F	P					D Y5	
693 KHAR	20	1023E	1024	10300	N16	H60	.883	16014	15.9	70	-F	V	1023				T Y5	
694 KHAR	20	1034E	1036	10560	N16	H65	.918	16014	15.6	220	-F	V	1036				T Y5	



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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Dist	CORR AREA Sq. Deg.		
					LAT.	NER. DIST.												
GRP74717	21	0529+1	0532+0 0543	0615	S21	E37	.653	16025	24.0	46	-N						HJ	
TACH	21	0529	0532	0557	S22	E37	.658	16025	24.0	28	18	C	0538	221	3.0		F	
ABST	21	0530	0532	0546D	S21	E37	.653	16025	24.0	160	-N	P	0532	87	1.2		DJ	
MITK	21	0530	0543	0617	S22	E38	.669	16025	24.1	47	-F	C	0543				EH	
ABST	21	0558	0603	0615	S21	E37	.653	16025	24.0	17	-F	C	0603	87	1.2		D	
718 CULG	21	0626E	0626E	0632U	S17	H08	.999	16005	14.7	60	-N	P	0626	30			Y5	
GRP74719	21	0825+5	0828 0835	0842	S21	E36	.641	16025	24.1	17	-F						EJ	
ABST	21	0825	0828	0842	S21	E37	.653	16025	24.1	17	-F	C	0828	87	1.2		EJ	
MONT	21	0830	0835	0842	S21	E35	.630	16025	24.0	12	-F	C	0835	50				
GRP74720	21	0845+2	0848+2	0901	S21	E34	.618	16025	23.9	16	-N			60	.8		DV	
HPR	21	0845	0850	0900	S22	E34	.624	16025	23.9	15	-N	C	0850	40	.5		E	
ABST	21	0847	0848	0901	S21	E38	.664	16025	24.2	14	-N	C	0848	87	1.2		OV	
MONT	21	0847	0850	0902	S21	E35	.630	16025	24.0	15	-F	C	0850	50			D	
KANZ	21	0849E	0849	0904	S21	E34	.618	16025	23.9	15D	-N	1					E	
KHAR	21	0854E	0854	0901D	S21	E33	.607	16025	23.8	7D	-F	P					D	
721 ABST	21	0848	0854	0907	S32	E90	1.000	16034	28.1	19	?F	C	0854	87			D	
IMP.1 NO 1					HPR	CATA												Y5
722 CATA	21	0850	0850	0900	N06	E38	.626	0	24.2	10	-B	1	C	0850	45	.5		Y5
GRP74723	21	1148+3	1155	1204	S21	E32	.595	16025	23.9	16	-F						D	
KAND	21	1148		1204D	S21	E32	.595	16025	23.9	160	-F	C		42	.5		D	
ZURI	21	1151	1155	1203	S21	E33	.607	16025	24.0	12	-F	C	1155	100	1.3			
GRP74724	21	1218+3	1221+0 1227	1233	N25	E10	.480	16024	22.3	15	-N						E	
HPR	21	1218	1227	1238	N25	E10	.480	16024	22.3	20	-F	C	1227	50	.5		E	
KANZ	21	1221	1221	1231	N26	E10	.494	16024	22.3	10	-N	2						
ZURI	21	1221	1221	1233	N25	E10	.480	16024	22.3	12	-N	C	1221	140	1.7			
GRP74725	21	1220+4	1225 1230+6	1243	S21	E32	.595	16025	23.9	23	-N			140	1.7		EKU	
CATA	21	1215E	1230	1235D	S22	E31	.590	16025	23.8	20D	-N	* P	1230	112	1.3			
HPR	21	1220	1225	1240	S22	E32	.601	16025	23.9	20	-N	* C	1225	80	.9		E	
ZURI	21	1221	1231	1239	S21	E33	.607	16025	24.0	18	-N	* C	1231	110	1.3			
LVOV	21	1224	1236	1245	S21	E31	.583	16025	23.8	21	1N	* C	1236	200	2.5		EK	
KANZ	21	1224	1231	1247	S21	E32	.595	16025	23.9	23	-N	*					U	
GRP74726	21	1328+5	1332+1	1341	S21	E32	.595	16025	24.0	13	-N			40	.5		E	
HPR	21	1328	1332	1340	S22	E31	.590	16025	23.9	12	-N	C	1332	30	.3		E	
ZURI	21	1329	1333	1341	S21	E32	.595	16025	24.0	12	-F	C	1333	50	.7			
KANZ	21	1333	1333	1345	S21	E32	.595	16025	24.0	12	-N	2						
GRP74727	21	1356+5	1405+4	1420	S21	E32	.595	16025	24.0	24	-N			60	.7		E	
MCHA	21	1356E	1406	1425	S22	E33	.613	16025	24.1	290	-N	C	1406	50	.7		E	
KANZ	21	1357	1408	1420	S21	E32	.595	16025	24.0	23	-N	2						
HPR	21	1400	1409	1416	S22	E32	.601	16025	24.0	16	-F	C	1409	20	.2		E	
ZURI	21	1401	1405	1413D	S21	E32	.595	16025	24.0	12D	-N	P	1405	60	.8			
GRP74728	21	1408+2	1411+1	1426	S22	E48	.774	16030	25.2	18	-F						D	
KANZ	21	1408	1412	1428	S22	E49	.784	16030	25.3	20	-F	2					E	
MCHA	21	1410	1411	1424	S23	E47	.768	16030	25.1	14	-N	* C	1411	65	1.1			
GRP74729	21	1442+4	1448+2	1503	S21	E31	.583	16025	23.9	21	-B			90	1.1		EU	
KANZ	21	1442	1450	1504	S21	E31	.583	16025	23.9	22	-N	2						
HPR	21	1443	1448	1500	S22	E31	.590	16025	23.9	17	-B	C	1448	80	.9		E	
BIGB	21	1445	1448	1502	S21	E30	.572	16025	23.9	17	-B	3	C	1448	60	.7		
MCHA	21	1445	1449	1500	S23	E33	.619	16025	24.1	15	-N	C	1449	80	1.0		E	
HOLL	21	1446	1448	1545	S21	E31	.583	16025	23.9	59	-B	3	C	127			U F	
ZURI	21	1447E	1449	1505	S21	E32	.595	16025	24.0	18D	-B	P	1449	100	1.3			
GRP74730	21	1550+3	1601+4	1615	S21	E30	.572	16025	23.9	25	-B			40	.5			
KANZ	21	1550	1601	1617	S20	E31	.577	16025	24.0	27	-N	2						
BIGB	21	1553	1604	1615	S21	E30	.572	16025	23.9	22	-B	3	C	1604	40	.5		
HOLL	21	1553	1605	1615	S21	E30	.572	16025	23.9	22	-B	3	C		43			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MATH PLAGE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq Deg.		
					LAT.	MER. DIST												
GRP74731	21	1634+6	1642+2	1658	N19	E54	.839	16031	25.7	24	-B			40	.7	E		
WEND	21	1634E		16580	N14	E58	.863	16031	26.0	240	-N	V				E		
BIGB	21	1639	1643	1702	N18	E54	.837	16031	25.7	23	-B	3	C	1643	40	.7	E	
HPR	21	1639	1642	1657	N19	E55	.848	16031	25.8	18	-N	C	1642	40	.7	E		
KANZ	21	1639	1643	1658	N19	E54	.839	16031	25.7	19	-B	2				E		
MCA	21	1640	1644	1656	N19	E54	.839	16031	25.7	16	-B	C	1644	40	.8	E		
GRP74732	21	1654+0	1654+1	1703	S19	E35	.619	16030	24.3	9	-F					E		
MCA	21	1654E	1655	1700	S20	E35	.624	16030	24.3	60	-N	C	1655	30	.4	E		
KANZ	21	1654	1654	1706	S19	E36	.631	16030	24.4	12	-F	2				E		
SRP74733	21	1734>9	1736	1752	S21	E29	.560	16025	23.9	18	-N							
			1745															
BIGB	21	1734	1735	1754	S21	E30	.572	16025	24.0	20	-N	3	C	1736	50	.6		
PALE	21	1745	1745	1749	S22	E28	.556	16025	23.8	4	-N	3	C		24		DE	
734	BIGB	21	1806	1807	1813	S33	E80	.986	16034	27.8	7	-B	3	C	1807	30		Y5
735	BIGB	21	1811	1813	1824	S21	E29	.560	16025	23.9	13	-N	3	C	1813	20	.2	Y5
736	BIGB	21	1854	1859	1916	N20	H53	.833	16033	17.8	22	-F	3	C	1859	20	.3	F Y5
737	BIGB	21	1915	1920	1930	S21	E30	.572	16025	24.1	15	-N	3	C	1920	30	.4	Y5
738	PALE	21	2006	2006	2010	S22	E27	.545	16025	23.9	4	-N	3	C		36		DE Y5
GRP74739	21	2033+1	2036+2	2055	S21	E29	.560	16025	24.0	22	-B				50	.6	FH	
HOLL	21	2033	2037	2059	S21	E28	.548	16025	24.0	26	-B	3	C		55		F	
BIGB	21	2033	2038	2050	S21	E30	.572	16025	24.1	17	-B	3	C	2038	50	.6		
MCA	21	2034	2037	2047	S23	E30	.586	16025	24.1	13	-B	C	2037	40	.5	E		
PALE	21	2034	2036	21470	S22	E27	.545	16025	23.9	730	-B	3	C		59		F H	
740	BIGB	21	2043	2044	2051	S21	E41	.697	16030	24.9	8	-N	3	C	2044	20	.3	Y5
GRP74741	21	2117+2	2119+2	2128	S30	E37	.706	16026	24.7	11	-N				20	.3	H	
VORO	21	2117	2119	2124	S30	E37	.706	16026	24.7	7	-N	C	2119	108	1.5	EH		
BIGB	21	2118	2119	2128	S32	E37	.719	16026	24.7	10	-N	3	C	2119	20	.3		
HOLL	21	2119	2121	2128	S30	E37	.706	16026	24.7	9	-N	3	C		20		F	
742	VORO	21	2157	2158	2203	S20	E26	.517	16025	23.9	6	-N	C	2158	54	.6	D Y5	
GRP74743	21	2221+1	2224+5	2233	S20	E25	.505	16025	23.8	12	-N						EH	
VORO	21	2221	2224	2234	S20	E26	.517	16025	23.9	13	-N	C	2224	134	1.5	EH		
CULG	21	2222	2224	2232	S22	E25	.522	16025	23.8	10	-N	C	2224	80	1.0			
HOLL	21	2222	2229	2233	S20	E25	.505	16025	23.8	11	-B	3	C		39			
744	CULG	21	2315	2339	2346	S29	H44	.764	16021	18.7	31	-F	C	2339	10	.2	Y5	
745	HOLL	21	2342	2414	0108	S22	E39	.680	16030	24.9	86	-B	3	C		82		U F Y5
746	CULG	22	0043	0053	0137	S22	E26	.534	16025	24.0	54	-F	C	0053	100	1.2	FT Y5	
GRP74747	22	0132+9	0144+1	0158	N15	H90	1.000	16014	15.3	26	-N				40		E	
CULG	22	0132	0145	0203	N15	H90	1.000	16014	15.3	31	-N	C	0145	30				
VORO	22	0141	0144	0152	N15	H90	1.000	16014	15.3	11	-N	C	0144	45		E		
GRP74748	22	0144+1	0145+2	0158	S21	E22	.481	16025	23.7	14	-N				50	.6	E	
CULG	22	0144	0147	0203	S22	E22	.490	16025	23.7	19	-N	C	0147	50	.6	T		
VORO	22	0145	0145	0152	S20	E23	.483	16025	23.3	7	-N	C	0145	54	.6	E		
749	CULG	22	0159	0206	0221	N30	E64	.532	16024	22.4	22	-F	C	0206	60	.7	Y5	
GRP74750	22	0209+1	0216+3	0235	N24	H32	.649	16012	19.7	26	1N				160	2.1	EJ	
CULG	22	0159	0216	0250	N24	H33	.659	16012	19.6	51	1N	* C	0216	160	2.1			
VORO	22	0209	0217	0235	N24	H32	.649	16012	19.7	26	1F	* C	0217	197	2.6	EJ		
HITK	22	0210	0219	0232	N24	H32	.649	16012	19.7	22	-N	* C	0219			E		
PALE	22	0217E	0219	02290	N23	H32	.641	16012	19.7	120	-N	* C		35		DE		
751	CULG	22	0227	0234	0307	S21	E31	.584	16030	24.4	40	-N	C	0234	70	.9	T Y5	
SRP74752	22	0256	0310	0331	N14	H90	1.000	16014	15.4	35	-B							
CULG	22	0256	0310	0327	N15	H90	1.000	16014	15.4	31	-B	C	0310	40				
KODA	22	0322E	0333	0335	N14	H90	1.000	16014	15.4	130	-N	P	0322					
753	CULG	22	0450	0452	0514	N20	E54	.841	16031	26.3	24	-N	C	0452	30	.6	Y5	
754	CULG	22	0500	0502	0508	S23	E26	.543	16025	24.2	8	-F	C	0502	30	.4	T Y5	

# H $\alpha$ SOLAR FLARES

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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.												
755 ABST	22	0641	0646	0707	N24	W01	.437	16024	22.2	26	-F	C	0646	61	.7	DJ	Y5	
756 KHAR	22	0850E		0920D	S23	E20	.480	16025	23.9	30D	-F	P				E	Y5	
757 KHAR	22	0920E	0932	0940D	S30	W30	.643	0	20.1	20D	-F	V	0932			DH	Y5	
758 KHAR	22	0940E		1000D	S23	E20	.480	16025	23.9	20D	-F	V	1000			E	Y5	
GRP74759	22	1002	1006+3	1022	N23	W90	1.000	16007	15.7	20	-F					DH		
MONT	22	1002	1009	1022	N24	W90	1.000	16007	15.7	20	-F	C	1009	40		O		
KHAR	22	1005E	1006	1020D	N22	W90	1.000	16007	15.7	15D	-N	V	1006			H		
760 CATA	22	1030E	1030	1040	N17	E33	.611	16031	24.9	10D	-N	2	P	1030	56	.7		Y5
GRP74761	22	1110+5	1112+3	1235	S21	E35	.631	16030	25.1	85	2N			370	4.7		IKU	
HTPR	22	1110	1112	1215	S20	E35	.625	16030	25.1	65	1B	*	C	1112	500	5.5	EIU	
WEND	22	1111	1149	1242	S19	E38	.655	16030	25.3	91	2N		C		670	6.9		
KHAR	22	1111E	1114	1237D	S21	E33	.608	16030	24.9	86D	2N	*	P	1113	400	6.0	E	
MONT	22	1111	1115	1220D	S21	E35	.631	16030	25.1	69D	1N	*	C	1115	250			
KANZ	22	1113	1117	1242	S20	E36	.637	16030	25.2	89	2B	3					FU	
CATA	22	1115	1120	1235	S22	E34	.625	16030	25.0	80	1N	*	C	1120	337	4.3		
MCMA	22	1118E		1250	S21	E35	.631	16030	25.1	92D	2N	*	C	1147	400	5.3	BFKU	
GRP74762	22	1139	1159+4	1255	S30	W52	.836	16021	18.6	76	-F						O	
MCMA	22	1139	1203	1255	S31	W51	.831	16021	18.7	76	-F	C	1203	20	.4	O		
KHAR	22	1159E	1159	1200D	S30	W53	.843	16021	18.5	10	-F	P				O		
763 CATA	22	1145E	1150	1225	N18	E32	.605	16031	24.9	40D	?N	2	P	1150	224	3.0		Y5
		IMP.1	NO :	MONT	WEND	HTPR	KANZ	MCMA										
GRP74764	22	1145+7	1200+3	1231	S21	E17	.427	16025	23.8	46	-N			60	.7		EG	
KHAR	22	1145E		1207D	S22	E17	.439	16025	23.8	22D	-F	*	P				E	
MONT	22	1148	1201	1220D	S22	E18	.449	16025	23.8	32D	-N	*	C	1201	80		E	
MCMA	22	1150E	1203	1255	S22	E18	.449	16025	23.8	65D	-N	*	C	1203	60	.7	E	
KANZ	22	1151	1203	1230	S21	E17	.427	16025	23.8	39	-F	*	C				G	
HTPR	22	1152	1200	1208	S21	E17	.427	16025	23.8	16	-N	*	C	1200	30	.3		
WEND	22	1200		1242	S21	E17	.427	16025	23.8	42	1N	*	C		290	3.0		
GRP74765	22	1150E	1154	1227D	N26	W01	.468	16024	22.4	37	-F						E	
MCMA	22	1150E	1154	1226D	N26	W02	.469	16024	22.3	30D	-F	C	1154	30	.3	E		
KHAR	22	1159E		1227D	N27	W01	.483	16024	22.4	28D	-F	P						
GRP74766	22	1220+7	1223+7	1242	N24	W41	.737	16012	19.4	22	-F						EJ	
KHAR	22	1220E	1223	1237D	N23	W37	.692	16012	19.7	17D	-F	P					E	
MCMA	22	1221	1227	1239	N24	W42	.747	16012	19.4	18	-N	C	1227	50	.7	E		
KANZ	22	1223	1230	1242	N25	W41	.743	16012	19.4	19	-N	2						
LVOV	22	1227	1230	1242	N24	W41	.737	16012	19.4	15	1F	C	1230	150	2.3	DJ		
GRP74767	22	1246+4	1305+6	1320	S33	E71	.957	16034	27.9	34	-N						EGU	
KANZ	22	1246	1305	1317	S33	E72	.961	16034	27.9	31	-N	2					U	
MCMA	22	1250	1307	1318	S34	E74	.969	16034	28.1	28	-B	C	1307	20	.8	E		
WEND	22	1305E		1321D	S34	E70	.953	16034	27.8	16D	-N	C				D		
LVOV	22	1308	1311	1322	S33	E70	.952	16034	27.8	14	1F	C	1311	150	2.3	EG		
768 MCMA	22	1347	1351	1359	S22	E22	.490	16025	24.2	12	-N	C	1351	30	.4	E	Y5	
GRP74769	22	1906+1	1909+0	1919	N25	W45	.779	16012	19.4	13	-N			50	.8		E	
BIGB	22	1906	1909	1924	N25	W45	.779	16012	19.4	18	-N	3	C	1909	70	1.0		
MCMA	22	1907	1909	1914	N25	W45	.779	16012	19.4	7	-N	C	1909	40	.7	E		
770 CULG	22	2214	2230	0032	N20	E40	.706	16031	25.9	138	-F	C	2230	70	1.0	L	Y5	
GRP74771	22	2223+2	2227+2	2233	S34	E66	.935	16034	27.9	10	-N			40			E	
CULG	22	2223	2229	2251	S34	E64	.924	16034	27.7	28	-F	C	2229	50				
BIGB	22	2224	2227	2233	S34	E66	.935	16034	27.9	9	-N	3	C	2227	30			
VORO	22	2225	2227	2232	S33	E68	.943	16034	28.0	7	-N	C	2227	54		E		
GRP74772	22	2228+7	2237+2	2254	N27	W08	.498	16024	22.3	26	-N			50	.6		EJ	
CULG	22	2228	2237	2319	N27	W08	.498	16024	22.3	51	-N	C	2237	160	1.8			
BIGB	22	2233	2237	2255	N26	W10	.493	16024	22.2	22	-F	3	C	2237	30	.3		
VORO	22	2234	2239	2252	N28	W08	.513	16024	22.3	18	-N	C	2239	45	.5	EJ		
HOLL	22	2235	2237	2250	N29	W07	.524	16024	22.4	15	-N	3	C		57			
773 CULG	22	2336	2340	2345	N27	W42	.763	16012	19.8	9	-F	C	2340	20	.3		Y5	
774 BIGB	23	0001	0005	0021	S22	E16	.431	16025	24.2	20	-N	3	C	0005	30	.3		Y5



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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.													
GRP74793	23	1424+7	1436	1439	N17	E30	.574	16031	25.8	15	-F								
HUAN	23	1424		1438	N17	E30	.574	16031	25.9	14	-N	1	C						D
MCMA	23	1431	1436	1440	N18	E30	.581	16031	25.9	90	-F		P	1436	25	.3			D
794 MCMA	23	1707	1710	1730	N16	W24	.494	16020	21.9	230	-F		C	1710	40	.4			E Y5
GRP74795	23	1738+1	1741+0	1749	S20	E14	.388	16030	24.8	11	-N				25	.3			E
MCMA	23	1738	1741	1750	S22	E18	.450	16030	25.1	120	-N		C	1741	30	.3			E
PALE	23	1739	1741	1748	S19	E11	.367	16030	24.6	9	-N	3	C		20				DE
796 MCMA	23	1754E	1754	1800	S34	E53	.857	16034	27.7	60	-B		C	1754	15	.3			D Y5
797 MCMA	23	1835	1836	1840	S17	W32	.573	16023	21.4	5	-F		C	1836	40	.5			E Y5
798 HOLL	23	1920	1921	1930	S19	W33	.597	16023	21.3	10	-N	3	C		52				Y5
799 BIGB	23	2032	2039	2107	N17	E26	.527	16031	25.8	35	-N	3	C	2039	60	.7			Y5
800 BIGB	23	2043	2057	2201	S32	E90	1.000	16040	30.6	78	-N	3	C	2057	40				Y5
GRP74801	23	2209+2	2212+1	2226	N25	W55	.862	16012	19.8	17	-N				90	1.8			D
BIGB	23	2209	2212	2231	N25	W55	.862	16012	19.8	22	-N	2	C	2212	60	1.1			D
VORO	23	2211	2213	2220	N25	W56	.870	16012	19.7	9	1F		C	2213	134	2.8			D
GRP74802	23	2253+3	2257+1	2308	S32	E49	.820	16034	27.6	15	-N				40	.7			D
CULG	23	2253	2258	2312	S33	E48	.816	16034	27.6	19	-N		C	2258	30	.5			D
VORO	23	2256	2257	2303	S32	E51	.835	16034	27.8	7	-N		C	2257	54	1.0			D
803 CULG	23	2318	2346	0019	S34	E86	.997	16040	30.4	61	-N		C	2346	50				K Y5
GRP74804	23	2320+1	2322+3	2346	N24	W56	.867	16012	19.8	26	-N				30	.6			D
CULG	23	2320	2325	2350	N24	W55	.859	16012	19.8	30	-N		C	2325	20	.4			T
VORO	23	2321	2322	2338	N25	W56	.870	16012	19.8	17	-N		C	2322	45	.9			D
BIGB	23	2321	2322	2346	N24	W56	.867	16012	19.8	25	-N	2			20	.4			D
805 CULG	24	0111	0119	0136	S31	E85	.996	16040	30.4	25	-F		C	0119	20				Y5
GRP74806	24	0114+0	0115+4	0131	N25	W57	.877	16012	19.8	17	1F				100	2.1			
CULG	24	0114	0119	0138	N25	W57	.877	16012	19.8	24	-N		C	0119	80	1.9			
VORO	24	0114	0115	0124	N25	W58	.884	16012	19.7	10	1F		C	0115	125	2.7			
807 CULG	24	0125	0127	0145	N22	W90	1.000	16033	17.3	20	-N		C	0127	30				Y5
808 CULG	24	0143	0156	0206	S21	E07	.351	16030	24.6	23	-N		C	0156	40	.4			Y5
809 CULG	24	0231	0239	0337	S34	E46	.806	16034	27.6	66	-F		C	0239	30	.5			K Y5
810 CULG	24	0245	0256	0310	S31	E85	.996	16040	30.5	25	-F		C	0256	30				Y5
811 CULG	24	0341	0414	0450	N24	W26	.588	16024	22.2	69	-N		C	0414	50	.6			L Y5
812 CULG	24	0400	0417	0453	S17	E04	.273	16030	24.5	53	-N		C	0417	70	.7			F Y5
813 CULG	24	0423	0425	0507	S35	E44	.796	16034	27.5	44	-F		C	0425	20	.4			Y5
814 CULG	24	0501	0515	0559	N23	W62	.907	16012	19.6	58	-F		C	0515	30	.7			Y5
815 ABST	24	0606	0609	06180	N11	W44	.714	16020	21.0	120	-F		P	0609	87	1.2			D Y5
816 ABST	24	0659	0703	0712	S22	W03	.351	16025	24.1	13	-F		C	0703	87	1.0			D Y5
GRP74817	24	0714+6	0716	0759	S18	E01	.282	16030	24.4	45	-N								
ABST	24	0714	0716	07250	S17	E03	.269	16030	24.5	110	-N		P	0716	175	1.8			E
WEND	24	0716E		07570	S18	E02	.283	16030	24.5	410	-N		C						D
CATA	24	0720	0725	07400	S19	W02	.300	16030	24.2	200	-N	2	P	0725	112	1.1			
KANZ	24	0735E		0759	S18	E01	.282	16030	24.4	240	-N	1							
ABST	24	0744E	0745	0759	S17	E03	.269	16030	24.5	150	-F		P	0745	87	1.0			D
818 KANZ	24	0751	0807	0836	N25	E78	.984	16041	30.2	45	-N	2							Y5
819 KANZ	24	0848	0852	0911	N22	E21	.520	16031	25.9	23	-F	2							Y5
820 KHAR	24	0850E	0852	09060	N14	W46	.745	16020	20.9	160	-N		P	0906	130	2.0			EH Y5
821 KANZ	24	0911	0922	0946	N11	W45	.725	16020	21.0	35	-F	2							Y5



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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR. AREA Sq. Deg.	
					LAT.	MER. DIST.												
822 KHAR	24	0926E		0933D	S30	W80	.986	16021	18.4	7D	-F	P				E	Y5	
823 KHAR	24	1000E		1025D	N24	E52	.835	16036	28.3	25D	-F	P				E	Y5	
GRP74824	24	1010+4	1016+4	1036	S23	W04	.370	16025	24.1	26	-N			160	1.7	HI		
KIEV	24	1010E	1019	1040D	S22	W04	.354	16025	24.1	30D	1N	C	1319	200	2.2	DI		
CATA	24	1010	1020	1050	S24	W05	.389	16025	24.0	40	-B	2	C	1320	140	1.5		
MONT	24	1013	1016	1029	S23	W03	.367	16025	24.2	16	-N		C	1316	110		H	
KANZ	24	1013	1017	1037	S24	W05	.389	16025	24.1	24	-N	2						
KHAR	24	1014	1017	1032	S23	W04	.370	16025	24.1	18	-N		P	1021	200	2.2		
WEND	24	1018E		1027D	S23	W01	.364	16025	24.4	9D	-N		C				3E	
825 KHAR	24	1144E		1200D	N14	W47	.756	16020	21.0	16D	-F	V	1146					Y5
826 LVOV	24	1223	1224	1233	S24	W06	.392	16025	24.1	10	?F	C	1224	200	2.3	J	Y5	
		IMP.1	NO	KANZ	CATA	KIEV	MONT											
GRP74827	24	1256+6	1302+5	1329	S17	W03	.269	16030	24.3	33	-F			120	1.2	DIJ		
KANZ	24	1256	1305	1319D	S17	W02	.267	16030	24.4	23D	-N	2						
KIEV	24	1258E	1302	1330D	S17	W03	.269	16030	24.3	32D	-F		C	1302	100	1.6	DI	
LVOV	24	1302	1307	1328	S18	W03	.286	16030	24.3	26	-F		C	1307	150	1.6	J	
GRP74828	24	1330+3	1334+0	1350	S23	W06	.377	16025	24.1	20	-N			170	1.8	DIJ		
KIEV	24	1330E	1334	1355D	S22	W06	.361	16025	24.1	25D	1N		C	1334	200	2.2	DI	
KANZ	24	1333	1334	1349	S23	W06	.377	16025	24.1	16	-B	3						
LVOV	24	1333	1334	1350	S24	W06	.392	16025	24.1	17	-F		C	1334	150	1.7	J	
829 LVOV	24	1346	1350	1400	S26	W80	.986	16021	18.6	14	?N	C	1350	150		O	Y5	
		IMP.1	NO	KIEV	KANZ													
830 KANZ	24	1508		1521D	N28	W31	.669	16024	22.3	13D	-F	2						Y5
GRP74831	24	1740+1	1741+1	1749	S24	W16	.457	16025	23.5	9	-B			60	.7	HU		
BIGB	24	1740	1741	1750	S25	W15	.461	16025	23.6	10	-B	3	C	1741	70	.7		
PALE	24	1741	1742	1747	S24	W17	.466	16025	23.5	6	-B	3	C		61		U H	
832 BIGB	24	1816	1818J	1825	S23	W08	.386	16025	24.2	9	-F	3	P	1818	30	.3		Y5
833 BIGB	24	1928	1936	1944	N23	E75	.974	16041	30.4	16	-N	3	C	1936	60			Y5
834 VORO	25	0011	0015	0020	S30	E80	.987	16040	31.0	9	-F		C	0015	72		O	Y5
835 CULG	25	0025	0030	0058	S33	E70	.954	16040	30.3	33	?N	P	0030	100			Y5	
		IMP.1	NO	BIGB	VORO													
836 CULG	25	0050	0058	0112	N28	W31	.668	16024	22.7	22	-N		P	0058	50	.6		Y5
837 VORO	25	0139	0144	0215	S18	W08	.313	16030	24.5	36	-N		C	0144	125	1.3	E	Y5
838 ABST	25	0600	0604	0642	N23	E10	.445	16031	26.0	42	-F		C	0604	87	1.0	DJ	Y5
839 ABST	25	0625	0657	0715	N13	W29	.533	16029	23.1	50	?F	C	0657	175	2.1	EJ	Y5	
		IMP.1	NO	MITK	HPR	CATA	KAND											
840 ABST	25	0721	0723	0726	S30	W07	.488	16026	24.8	5	-F		C	0723	157	1.8	DJ	Y5
GRP74841	25	0726+4	0730	0758	S18	W12	.346	16030	24.4	32	-F			90	1.0	EJ		
			0736+4															
ABST	25	0726	0736	0900	S18	W11	.337	16030	24.5	34	-N		C	0736	175	1.8	FJ	
CATA	25	0730	0730	0755	S18	W11	.337	16030	24.5	25	-N	2	C	0730	84	.9		
HPR	25	0730	0740	0755	S18	W12	.346	16030	24.4	25	-F		C	0740	30	.3	E	
BUCA	25	0732E		0800	S18	W12	.346	16030	24.4	28D	-F		P	0735	107	1.2	E	
KHAR	25	0748E	0748	0805D	S18	W13	.356	16030	24.4	17D	-F		P					
GRP74842	25	0749	0753	0811D	S32	E65	.928	16040	30.2	22	1F							DJ
			0800															
ABST	25	0749	0753	0800D	S31	E67	.937	16040	30.4	11D	1F		P	0753	87		DJ	
KHAR	25	0754E	0800	0811D	S33	E63	.919	16040	30.1	17D	-F		P				D	
GRP74843	25	0850+9	0932	0945D	N13	W32	.572	16029	23.0	55	-F							OHJ
KHAR	25	0850E		0945D	N14	W33	.591	16029	22.9	55D	-F		V	0850			HT	
ABST	25	0931	0932	0941D	N13	W31	.559	16029	23.1	13D	-F		P	0932	87	1.1	DJ	
GRP74844	25	0913	0914	0933	N23	E69	.948	16041	30.6	20	1F							D
ABST	25	0913	0914	0930	N23	E69	.948	16041	30.6	17	1F		C	0914	87		D	
KHAR	25	0917E		0935D	N23	E69	.948	16041	30.6	18D	-F		V	0917				

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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 MIL. of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
845 KHAR	25	0925E	0925	0928D	S33	E63	.919	16040	30.1	3D	-F	P				D	Y5	
846 KHAR	25	0950E	0951	1006D	N15	H34	.608	16029	22.9	16D	-F	V	1006			T	Y5	
GRP74847	25	1021E		1127	N14	H33	.591	16029	23.0	66	-N							
KHAR	25	1021E		1105D	N15	H34	.608	16029	22.9	44D	-N	P	1023			EH		
KAND	25	1028D		1127	N13	H33	.585	16029	23.0	59D	-N	C		52	.7	HT		
848 KHAR	25	1033E	1039	1050D	N14	H58	.862	16028	21.1	17D	-F	V	1039			H	Y5	
849 KHAR	25	1105E		1115D	N17	E08	.344	16031	26.1	10D	-F	V	1105				Y5	
GRP74850	25	1130	1136	1149	N14	H59	.870	16020	21.1	19	-N							
KAND	25	1130	1136	1149	N14	H60	.878	16020	21.0	19	-N	C		42	.9	E		
KHAR	25	1134E		1148D	N14	H58	.862	16020	21.1	14D	-N	P	1134			E		
851 KHAR	25	1142E		1148D	S33	E67	.940	16040	30.5	6D	-F	P	1148				Y5	
GRP74852	25	1201+3	1207+7	1221	N22	E05	.407	16031	25.9	20	1F							
KHAR	25	1201E	1211	1221D	N20	E05	.376	16031	25.9	20D	-F	P				E		
KAND	25	1204	1207	1221	N22	E05	.407	16031	25.9	17	1N	C		197	2.3	E		
ZURI	25	1212E	1214	1218	N22	E06	.411	16031	26.0	6D	1F	P	1214	220	2.5	E		
853 HUAN	25	1254		1307	N14	H35	.616	16029	22.9	13	-F	1	C				Y5	
GRP74854	25	1329+1	1330+0	1338	N12	H33	.580	16029	23.1	9	-F							
KAND	25	1329	1330	1337	N12	H33	.580	16029	23.1	8	-N	C		42	.5	E		
ZURI	25	1330	1330	1338	N13	H33	.585	16029	23.1	8	-F	C	1330	110	1.4	E		
GRP74855	25	1406+0	1414+0	1431	S17	H16	.376	16030	24.4	25	-N							
ZURI	25	1406	1414	1436	S17	H16	.376	16030	24.4	30	-N	C	1414	40	.4	D		
HUAN	25	1406	1414	1430	S16	H16	.365	16030	24.4	24	-N	1	C	1414	100	1.1		
BIGB	25	1418E	1418	1431	S17	H14	.354	16030	24.5	13D	-N	3	P	1418	25	.3	D	
GRP74856	25	1415+1	1416+0	1420	S33	E66	.935	16040	30.5	5	-N							
HUAN	25	1415	1416	1420	S34	E66	.936	16040	30.5	5	-N	2	C	1416	20	.2	D	
ZURI	25	1416	1416	1420	S32	E67	.938	16040	30.6	4	-B	C	1416	40		D		
BIGB	25	1417E	1417U	1421	S33	E64	.924	16040	30.4	4D	-N	3	P	1417	80	1.9		
957 HUAN	25	1604		1612	N14	H34	.603	16029	23.1	8	-F	1	C	1606	15	.2	D	Y5
	25	1753	1809	NO FLARE PATROL														
858 BIGB	25	1824	1826	1826D	S32	E64	.923	16040	30.6	2D	-B	3	P	1826	50	1.2		Y5
859 VORO	26	0001	0002	0006	N13	E60	.876	16041	30.5	5	-F	C	0002	90	1.7	DG	Y5	
860 VORO	26	0046	0047	0052	S30	H18	.549	16026	24.7	6	-F	C	0047	134	1.4	E	Y5	
861 VORO	26	0054	0055	0059	N18	H03	.336	16031	25.8	5	-F	C	0055	161	1.6	E	Y5	
GRP74862	26	0221	0228+4	0336	N27	H51	.836	16024	22.3	75	1F							
VORO	26	0221	0228	0230D	N25	H51	.829	16024	22.3	9D	1F	P	0228	150	2.8	EGJ		
MITK	26	0226E		0240D	N27	H51	.836	16024	22.3	14D	-F	C	0228	179	3.2	EJ		
CULG	26	0231E	0232	0336	N27	H50	.828	16024	22.4	65D	1N	P	0232	120	2.2	EG		
GRP74863	26	0247+5	0253+2	0340	S32	E23	.609	16034	27.8	53	-N							
CULG	26	0247	0253	0340	S33	E21	.605	16034	27.7	53	-B	C	0253	110	1.4	F		
VORO	26	0252	0255	0300D	S32	E25	.624	16034	28.0	8D	-N	C	0255	100	1.3	D		
864 CULG	26	0254	0308	0345	N19	H03	.352	16031	25.9	51	-N	C	0308	50	.5	F	Y5	
865 CULG	26	0257	0306	0328	N13	E56	.842	16041	30.3	31	-F	C	0306	20	.4	K	Y5	
866 CULG	26	0301	0306	0327	S33	E59	.895	16040	30.6	26	-N	C	0306	20	.5	KF	Y5	
867 CULG	26	0301	0310	0342	S16	H23	.453	16030	24.4	41	-N	C	0310	40	.4	F	Y5	
868 CULG	26	0318	0322	0333	N20	E33	.626	16036	28.6	15	-N	*	C	0322	10	.1		Y5
869 ABST	26	0458	0507	0538	N15	H71	.951	16020	20.9	40	?F	C	0507	87		DJ	Y5	
		IMP.1 NO	MITK	TACH														
870 ISTA	26	0605		0615	S21	H12	.388	16030	25.4	10	-N						E	Y5



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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 FLARE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA	CORR AREA	
					LAT.	MER. DIST.											
	27	1204	1218		NO FLARE PATROL												
	27	1308	1344		NO FLARE PATROL												
	27	0119	0125		NO FLARE PATROL												
	27	0222	0524		NO FLARE PATROL												
900 BIGB	27	1453	1454	1502	N18	W14	.402	16031	26.6	9	-N	3	C	1454	30	.3	Y5
901 BIGB	27	1802	1804	1811	S21	E39	.680	16044	30.7	9	-N	3	C	1804	30	.4	E Y5
902 BIGB	27	1848	1850	1859	S21	E29	.566	16043	30.0	11	-N	3	C	1850	30	.4	Y5
903 BIGB	27	2032	2036	2112	N27	E30	.648	16041	30.1	40	-F	3	C	2036	30	.4	Y5
GRP74904	27	2243+1	2244+1	2253	N14	E16	.375	16041	29.1	10	-N						OH
BIGB	27	2243	2244	2250	N14	E16	.375	16041	29.1	7	-N	3	C	2244	20	.2	OH
VORO	27	2244	2245	2255	N14	E17	.387	16041	29.2	11	-N		C	2245	143	1.5	OH
905 VORO	27	2311	2311	2314	N18	W20	.463	16031	26.5	3	-F		C	2311	90	1.0	D Y5
906 CULG	28	0212	0221	0306	N24	W67	.937	16028	23.1	54	-N		C	0221	80		Y5
907 CULG	28	0304	0312	0317	N23	E59	.885	0	1.6	13	-F		C	0312	40	.8	Y5
908 CULG	28	0407	0410	0416	N17	E90	1.000	16046	3.9	9	-N		C	0410	20		Y5
909 CULG	28	0422	0426	0434	N30	W41	.766	16042	25.1	12	-F		C	0426	30	.5	Y5
910 CULG	28	0426	0446	0511	N23	W26	.574	16031	26.2	45	-N		C	0446	150	1.9	Y5
911 CULG	28	0458	0459	0515	S33	W06	.535	16034	27.8	17	-N		C	0459	60	.7	Y5
GRP74912	28	0740+1	0740	0750	S34	E22	.626	16040	30.0	10	-F						E
CATA	28	0740	0740	0755	S33	E24	.629	16040	30.1	15	-N	2	C	0740	67	.8	E
ISTA	28	0741	0744	0744	S35	E20	.624	16040	29.8	3	-F						E
913 ISTA	28	0825		0827	S26	E08	.438	16040	29.0	2	-F						D Y5
914 KHAR	28	0940E	0945	09590	N14	E90	1.000	16046	4.2	190	-F		P	0945	40		H Y5
915 KHAR	28	1006E	1006	10120	N12	E90	1.000	16046	4.2	60	-F		V	1006			H Y5
GRP74916	28	1019	1023	1035	N16	E15	.386	16041	29.6	16	-F						L
KANZ	28	1019	1023	1035	N17	E15	.398	16041	29.6	16	-F	2					L
KHAR	28	1021E		10350	N15	E16	.385	16041	29.6	140	-F		V	1025	50	.6	L
GRP74917	28	1035+4	1036+3	1110	N20	W30	.591	16031	26.2	35	1N				220	2.8	EHK
			1045														
KHAR	28	1035	1036	12100	N20	W29	.580	16031	26.3	950	1N		P	1041	360	4.7	EHK
MONT	28	1036	1038	1122	N21	W29	.588	16031	26.3	46	1N		C	1038	250		
HTPR	28	1036	1038	1056	N21	W32	.620	16031	26.9	20	-N		C	1038	150	1.7	E
ZURI	28	1038	1038	1104	N20	W29	.580	16031	26.3	26	1B		C	1038	240	3.1	F
KANZ	28	1039	1039	10520	N19	W31	.595	16031	26.1	130	1N	1					F
CATA	28	1045	1045	11050	N21	W31	.610	16031	26.1	200	1N	2	P	1045	168	2.3	F
GRP74918	28	1115+8	1123	1151	N20	W30	.591	16031	26.2	36	-N						E
			1135														
HTPR	28	1115		11350	N21	W30	.599	16031	26.2	200	-F		C	1124	40	.5	E
ZURI	28	1116	1128	1138	N20	W29	.580	16031	26.3	22	-N		C	1128	110	1.4	
MONT	28	1123	1135	1204	N21	W30	.591	16031	26.2	41	-N		C	1135	180		
919 KHAR	28	1130E	1135	11480	N14	E90	1.000	16046	4.2	180	-F		P	1135			H Y5
GRP74920	28	1318+2	1323+1	1336	S21	W17	.436	16032	27.3	18	-F						G
ZUR I	28	1318	1324	1336	S21	W17	.436	16032	27.3	18	-F		C	1324	180	2.1	
KANZ	28	1320	1323	1338	S21	W18	.446	16032	27.2	18	-F	1					F
KAND	28	1325E		1335	S22	W17	.448	16032	27.3	100	-N		C		94	1.1	EG
921 KANZ	28	1338	1342	14100	N17	E85	.997	16046	3.9	320	-B	2					Y5
GRP74922	28	1522+4	1527+1	1541	N15	E90	1.000	16046	5.4	19	-B						
			1536														
BIGB	28	1522	1523	1539	N13	E90	1.000	16046	4.4	17	-B	3	C	1528	90		
HOLL	28	1526	1527	1538	N16	E90	1.000	16046	4.4	12	-B	2	C				
BIGB	28	1532	1536	1544	N16	E90	1.000	16046	4.4	12	-B	3	C	1536	30		
GRP74923	28	1552+1	1554+0	1607	S23	W63	.905	16025	23.9	15	-N						
BIGB	28	1552	1554	1615	S23	W63	.905	16025	23.9	23	-N	3	P	1554	60	1.4	
HOLL	28	1553	1554	1559	S23	W63	.905	16025	23.9	6	-N	3	C		20		

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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.											
GRP74924	28	1805+9	1817+2	1835	N12	E85	.997	16046	5.1	30	-B			35			
BIGB	28	1805	1817	1837	N11	E85	.997	16046	4.1	32	-B	3	C	1817	50		
HOLL	28	1812	1819	1835	N13	E89	1.000	16046	4.4	23	-B	3	C				
PALE	28	1816	1819	1827	N12	E77	.976	16046	3.5	11	-B	3	C		24		FDE
925 HOLL	28	1934	1934	1941	S34	W10	.561	16034	28.1	7	-N	3	C		21		Y5
926 BIGB	28	1953	2032	2157	N12	E90	1.000	16046	4.6	124	-N	3	P	2032	60		Y5
GRP74927	28	2220+3	2238+5	2325	S32	E18	.576	16040	30.3	65	-N						
CULG	28	2220	2238	2325	S32	E18	.576	16040	30.3	65	1N		P	2238	170	2.3	F
BIGB	28	2223	2243	2325	S33	E20	.601	16040	30.4	62	-B	3	C	2243	70	.8	
VORO	28	2255E		2321	S32	E18	.576	16040	30.3	260	-F		C	2301	134	1.6	E
928 CULG	28	2242	2249	2256	S21	W67	.928	16025	23.9	14	-N		C	2249	60		Y5
GRP74929	28	2248+1	2250+1	2310	N26	W06	.466	16036	28.5	22	-N				100	1.1	EG
CULG	28	2248	2250	2316	N26	W05	.463	16036	28.6	28	-N		C	2250	100	1.2	
BIGB	28	2249	2251	2310	N25	W06	.451	16036	28.5	21	-B	3	C	2251	100	1.0	
VORO	28	2255E		2310	N26	W08	.473	16036	28.4	150	1F		P	2259	179	2.0	EG
GRP74930	28	2341+3	2354+2	00020	N13	E82	.991	16046	5.1	21	1N				120		HIJK
CULG	28	2341	2356	0150	N13	E85	.997	16046	4.4	129	2N		C	2356	120		KFIT
VORO	28	2343	2354	0002	N13	E82	.991	16046	4.1	19	1F		C	2354	81		DHJK
BIGB	28	2344	2354	2354D	N15	E80	.987	16046	4.0	100	-B	3	P	2354	150		
GRP74931	29	0035+0	0037+0	0048	N18	E76	.975	16046	4.7	13	1F				100		D
VORO	29	0035	0037	0047	N19	E77	.978	16046	3.8	12	1F		C	0037	108		D
BIGB	29	0035	0037	0048	N18	E75	.971	16046	3.6	13	-N	3	P	0037	100		
GRP74932	29	0041+3	0044+4	0050	S33	E16	.578	16040	30.2	9	-F						D
CULG	29	0041	0048	0055	S32	E16	.565	16040	30.2	14	-N		C	0048	40	.5	
BIGB	29	0043	0044	0050	S33	E16	.578	16040	30.2	7	-F	3	C	0044	28	.2	
VORO	29	0044	0044	0049	S33	E17	.584	16040	30.3	5	-F		C	0044	72	.9	O
933 CULG	29	0244	0247	0259	N29	W60	.904	16042	24.6	15	-F		C	0247	40	.9	S
934 CULG	29	0245	0248	0311	S23	W21	.499	16032	27.5	26	-N		C	0248	70	.8	F
935 CULG	29	0349	0407	0417	N14	E80	.986	16046	4.2	28	-N		C	0407	60		TK
936 CULG	29	0532	0536	0546	S23	W24	.530	16032	27.4	14	-N		C	0536	70	.8	Y5
937 ISTA	29	0620E		0635	N14	W02	.262	16041	29.1	150	-N	4					B
GRP74938	29	0633+2		0654D	N24	W04	.428	16036	2.9	21D	-N						E
938 HTPR	29	0633		0654D	N26	W05	.461	16036	28.9	21D	-F		C	0634	60	.7	E
938 ISTA	29	0635		0635D	N23	W63	.410	16036	29.0		-B						E
939 ISTA	29	0638		0638D	N16	E80	.987	16046	4.3		-B						A
940 HTPR	29	0714E		0737D	N15	E76	.973	16046	4.0	230	?N		C	0725	120		E
		IMP.1	NO :	CATA													
941 HEND	29	0743E		0823D	N14	E74	.965	16046	3.9	40D	?N		C		400		E
		IMP.1	NO :	CATA													
942 KHAR	29	0903E		0920D	N17	W38	.664	16031	26.5	17D	-F		V	0903			D
GRP74943	29	0931+4	0935+2	0944	N14	E79	.984	16046	5.3	13	-N				45		
MONT	29	0931	0937	0944	N14	E86	.998	16046	4.8	13	-N		C	0937	60		E
CATA	29	0935	0935	0940	N13	E79	.983	16046	4.3	5	-N	2	C	0935	28		
KHAR	29	0938E		1010	N14	E78	.980	16046	4.3	32D	-F		V	0940			O
944 KHAR	29	1005E	1013	1040D	N17	W38	.664	16031	26.6	35D	-F		V	1013			Y5
GRP74945	29	1039+6	1046+4	1054	N14	E74	.965	16046	5.0	15	1N						EHQ
KANZ	29	1039	1047	1058	N14	E73	.960	16046	3.9	19	1B	3					
MONT	29	1040	1046	1051	N14	E85	.997	16046	4.8	11	1N		C	1046	220		HQ
KHAR	29	1042	1048	1058	N14	E75	.969	16046	4.2	16	1B		P	1050	180		
ZURI	29	1042	1046	1052	N14	E75	.969	16046	4.1	10	1B		C	1046	160		
CATA	29	1045	1050	1055	N14	E71	.950	16046	3.8	10	-B	2	C	1050	56		E
HTPR	29	1049E		1052	N15	E74	.965	16046	4.0	3D	-F		C	1050	50		
946 KAND	29	1106E		1141	S24	W27	.571	16032	27.4	35D	-F		C		42	.5	E
947 KAND	29	1106E		1150	N17	W40	.687	16031	26.5	44D	-F	*	C		31	.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			CONO	TYPE	TIME UT	MEAS. AREA MIL of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
GRP74948	29	1219+1	1220+7	1241	S24	W26	.566	16032	27.6	22	-N				170	2.0		
KANZ	29	1219	1223	1239	S26	W27	.588	16032	27.5	20	-F	1						
LVOV	29	1219	1221	1241	S25	W26	.569	16032	27.6	22	1F							
WEND	29	1219E	1227	12530	S18	W37	.644	16032	26.7	34D	1N		C	1221	200	2.5	D	
ZURI	29	1220	1220	12320	S24	W25	.550	16032	27.6	120	-N		P	1220	140	1.8	E	
949 KANZ	29	1231	1235	1246	N14	E74	.965	16046	4.1	15	-N	2					D	Y5
GRP74950	29	1441+2	1445+0	1501	N13	E69	.939	16046	4.8	20	-N						D	
KANZ	29	1441	1445	1500	N14	E69	.939	16046	3.8	19	-F	2					D	
BIGB	29	1443	1445	1501	N13	E70	.944	16046	3.9	18	-B	3	C	1445	20			
951 BIGB	29	1711	1715	1729	N16	W11	.346	16041	28.9	18	-F	3	C	1715	20	.2		Y5
GRP74952	29	1732+1	1737+0	1802	N13	E69	.939	16046	4.9	30	-B				45		F	
BIGB	29	1732	1737	1741	N13	E70	.944	16046	4.0	9	-B	3	C	1737	50			
PALE	29	1733	1737	1759	N14	E68	.933	16046	3.8	26	-B	3	C		35		F	
BIGB	29	1745	1752	1804	N13	E70	.944	16046	4.0	19	-B	3	C	1752	70			
953 BIGB	29	1959	2000	2012	N13	E70	.944	16046	4.1	13	-B	3	C	2000	20			Y5
GRP74954	29	2111+0	2127+2	2135	N12	E66	.919	16046	4.8	24	1B				110		HJ	
BIGB	29	2111	2127	2136	N13	E67	.926	16046	3.9	25	-B	3	C	2127	120			
HOLL	29	2111	2128	2134	N12	E66	.919	16046	3.8	23	-B	3	C		107		FDE	
PALE	29	2118E	2129J	2136	N14	E66	.921	16046	3.8	180	-B	3	C		101		F	
VORO	29	2125	2128	2133	N12	E68	.932	16046	4.0	8	1N		C	2128	116		OHJ	
GRP74955	29	2144	2146+6	2227	N14	E67	.927	16046	4.9	43	-N				35		HJ	
VORO	29	2144	2146	2153	N16	E64	.909	16046	3.7	9	-N		C	2146	63		H	
CULG	29	2151E	2152	2239D	N14	E67	.927	16046	3.9	48D	1N		P	2152	130	3.4		
VORO	29	2157	2159	2204	N16	E70	.946	16046	4.2	7	-N		C	2159	27		DHJ	
VORO	29	2201	2204	2214	N13	E68	.933	16046	4.0	13	-F		C	2204	36		OH	
956 VORO	29	2235	2237	2245	N13	E68	.933	16046	4.0	10	-F		C	2237	45		OHJ	Y5
957 BIGB	30	0024	0029	0037	N24	E74	.969	16046	4.6	13	-F	3	C	0029	20			Y5
958 CULG	30	0101E	0106	0108D	N08	E07	.197	16041	30.6	7D	-N		P	0106	70	.7		Y5
959 BIGB	30	0107	0108	0110	S35	E09	.575	16040	30.7	3	-F	3	C	0108	20	.2	G	Y5
960 CULG	30	0153	0157	0220	N12	E64	.905	16046	3.9	27	-F		C	0157	40	.8		Y5
961 CULG	30	0309	0314	0333	S28	W85	.996	0	23.8	24	-F		C	0314	30			Y5
	30	0401	0407	NO FLARE PATROL														
962 CULG	30	0407	0423	0440	N13	E90	1.000	16051	5.9	33	-N		C	0423	20			Y5
	30	0415	0422	NO FLARE PATROL														
963 CULG	30	0441	0445	0455	N18	W47	.765	16031	26.7	14	-N		C	0445	40	.7		Y5
GRP74964	30	0526+2	0527	0535	N19	E90	1.000	16051	7.0	31	-N							ADV
ABST	30	0526	0527	0559	N20	E90	1.000	16051	6.0	33	1F		C	0527	87			ADV
CULG	30	0528	0535	0555	N19	E90	1.000	16051	6.0	27	-N		C	0535	30			T
965 ABST	30	0550E	0559	0608D	N18	E67	.930	16046	4.3	180	?F		P	0559	87		EJ	Y5
		IMP.1 NO : TAC-1 CULG KIEV																
966 ABST	30	0618	0619	0631	N20	E90	1.000	16051	6.0	13	?F		C	0619	87		ADV	Y5
		IMP.1 NO : KIEV WEND CATA																
967 ABST	30	0637	0638	0701D	N19	E68	.937	16046	4.4	240	?F		P	0638	87		DV	Y5
		IMP.1 NO : KIEV WEND CATA																
968 ABST	30	0642	0700	0715D	N13	E90	1.000	16051	6.0	33D	?N		P	0700	87		ADJ	Y5
		IMP.1 NO : CATA																
969 ABST	30	0801E	0806	0840	N23	W03	.408	16041	30.1	390	-F		P	0840	87	1.0	D	Y5
970 KHAR	30	0901E		0907D	N19	E90	1.000	16051	6.1	6D	-F		P				HT	Y5
971 KHAR	30	0913E		1018D	N14	E65	.914	16046	4.3	65D	?F		P	0947	220		EHO	Y5
		IMP.1 NO : WEND MONT ZURI CATA																



H $\alpha$  SOLAR FLARES

MAY 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA MIR. OF DISK		CORR. AREA Sq. Deg.
					LAT.	MER. DIST.										
1 PALE	31	1858E	1856J	1934D	N19	E78	.981	16051	6.6	360	-B	1	C	30	0E	Y5
GRP75002	31	2230	2235 2248	2253	N17	E82	.992	16051	8.1	23	-F					
CULG	31	2230	2235	2250	N15	E85	.997	16051	7.3	20	-F	C	2235	30		
CULG	31	2244	2248	2253	N19	E79	.984	16051	6.9	9	-F	C	2244	10		
3 CULG	31	2326	2334	2359	N13	E49	.772	16046	4.7	33	-F	C	2334	100	1.5	L Y5

MAY 1979

DAILY FLARE INDICES  
Includes all Flares

Date	Flare Index	HR. OBS	Date	Flare Index	HR. OBS	Date	Flare Index	HR. OBS
790501	201.70	21.2	790511	139.49	24.0	790521	95.26	24.0
790502	233.29	23.9	790512	114.33	24.0	790522	144.40	24.0
790503	217.97	24.0	790513	77.56	21.0	790523	108.26	24.0
790514	67.50	24.0	790514	141.25	24.0	790524	97.60	24.0
790515	16.52	23.9	790515	135.77	24.0	790525	84.71	23.7
790506	56.70	24.0	790516	85.63	24.0	790526	93.47	23.6
790507	24.29	23.8	790517	72.61	24.0	790527	88.11	19.1
790508	55.71	24.0	790518	77.62	24.0	790528	86.36	24.0
790509	112.87	24.0	790519	26.50	23.3	790529	74.03	24.0
790510	94.84	23.9	790520	53.75	24.0	790530	34.62	23.8
						790531	33.62	24.0

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

Purple Mt. and Yunnan H $\alpha$  Solar Flares for May 1979  
(Not included in group reports because of data processing delays)

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS	
	DAY	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION				CMP DAY	TIME UT	MEAS. AREA MIR. OF DISK		CORR. AREA Sq. Deg.
					LAT.	MER. DIST.										
YUNN	01	0357	0401	0415	N15	E20	.463	15974	2.7	18	1N	C				
PURP	02	0533E	0533	0600	S26	S69	.536	15982	7.4	270	1N					
PURP	02	0719	0719	0749	N18	W50	.609	15967	28.6	30	1F					
PURP	07	0406	0412	0440	N12	E52	.809		11.1	34	5N					
PURP	08	0051	0051	0100	N24	E21	.563	15990	9.6	9	1B					
PURP	09	0727	0730	0745	N16	W22	.487	15989	7.7	18	1F					
YUNN	09	0831	0835	0915	N21	E15	.476	15990	10.5	44	1N	C	276			
PURP	09	0833	0834	0834	N20	E14	.456	15990	10.4	10	1F					
YUNN	11	0039	0055	0340	N21	W07	.424	15998	10.5	181	1N	C	236			
PURP	17	0257	0258	0920	S23	W74	.963	15996	11.8	23	1N					
PURP	18	0023E		0049	S23	W83	.992	15996	11.8	260	1F					
PURP	18	0512		0523	S23	W85	.995	15996	11.8	11	1F					
PURP	19	0540E	0540	0627	S17	W57	.647	16005	15.0	470	1N					
PURP	19	0743E		0840	N23	W04	.431	16012	19.0	570	1N					
PURP	21	0017E		0024	N12	W67	.927	16014	16.0	70	1F					
PURP	21	0017E	0019	0050	S26	E40	.711	16025	24.0	330	2N		377	5.5		
YUNN	21	0443	0500	0510	N20	W50	.806	16010	17.4	27	1F	C	220			
YUNN	21	0847	0849	0900	S22	E34	.624	16025	23.9	13	1B	C	161			
PURP	24	0721E	0722	0742	N25	W26	.597	16024	22.4	210	1B					
YUNN	24	1014	1020	1035	S23	W85	.373	16025	24.1	21	1N	C	236			
PURP	25	0737	0742	0753	N24	W29	.616	16029	23.1	16	1B					
YUNN	27	0747	0750	0810	S20	E40	.771	16044	30.5	23	1N	C	126			

"REMARKS":

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A = Eruptive prominence whose base is less than 90 degrees from central meridian.<br/>         B = Probably the end of a more important flare.<br/>         C = Invisible 10 minutes before.<br/>         D = Brilliant point.<br/>         E = Two or more brilliant points.<br/>         F = Several eruptive centers.<br/>         G = No visible spots in the neighborhood.<br/>         H = Flare accompanied by high-speed dark filament.<br/>         I = Active region very extended.<br/>         J = Distinct variations of plage intensity before or after the flare.<br/>         K = Several intensity maxima.<br/>         L = Existing filaments show signs of sudden activity.<br/>         M = White-light flare.<br/>         N = Continuous spectrum shows effects of polarization</p> | <p>O = Observations have been made in the H and K lines of CaII.<br/>         P = Flare shows helium D3 in emission.<br/>         Q = Flare shows Balmer continuum in emission.<br/>         R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.<br/>         S = Brightness follows disappearance of filament in same position.<br/>         T = Region active all day.<br/>         U = Two bright branches, parallel or converging.<br/>         V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.<br/>         W = Great increase in area after time of maximum intensity.<br/>         X = Unusually wide H-alpha line.<br/>         Y = System of loop-type prominences.<br/>         Z = Major sunspot umbra covered by flare.</p> |
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