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Misc
Apr 79

H α SOLAR FLARES

APRIL 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		CDRR AREA Sq Deg.
					LAT.	MER. DIST.											
GRP73366	01	0005	0020	0135	S17	E43	.685	15920	4.2	60	1F		340	4.8	EJK		
VORO	01	0005	0020	0356	S16	E43	.684	15920	4.2	51	1F	C 0020	349	4.8	EJK		
MITK	01	0015E		01050	S17	E44	.697	15920	4.3	500	1N	C 0023	340	4.8	EF		
CULG	01	0105E	0106	01360	S19	E42	.678	15920	4.2	310	-F	P 0106	130	1.8			
367	CULG	01	0207E	0207J	0210	S27	E12	.397	15918	2.0	30	-N	P 0207	30	.3	CT Y5	
368	VORO	01	0235E		02380	S20	E21	.413	15918	2.7	30	-N	P 0235	63	.7	D Y5	
GRP73369	01	0415+3	0425+5	04580	S25	H38	.653	15906	29.3	43	-F				EGU		
CULG	01	0415E	0430J	04450	S25	H37	.641	15906	29.4	300	-N	P 0430	160	1.8	CU		
MITK	01	0418	0425	04580	S26	H39	.668	15906	29.3	400	-F	C 0425			EG		
370	CULG	01	0427	0429	0438	S25	E22	.469	15918	2.8	11	-N	C 0429	40	.4	T Y5	
GRP73371	01	0512+2	0516+1	0524	S21	H05	.263	15917	31.8	12	-N		90	.9	EGJ		
ABST	01	0512	0517	0524	S22	H05	.279	15917	31.8	12	-N	C 0517	87	.9	EGJ		
TACH	01	0513	0516	0523	S21	H05	.263	15917	31.8	10	-B	C 0516	71	.7	E		
PEKG	01	0514	0517	0525	S21	H05	.263	15917	31.8	11	-N	C 0519	97		E		
372	ABST	01	0720	0721	0725	S26	E13	.392	15918	2.3	5	-N	C 0721	87	.9	DJ Y5	
GRP73373	01	0748+2	0755+2	0809	S24	E21	.449	15918	2.9	21	-N		130	1.5	EJ		
ABST	01	0748	0757	07570	S24	E21	.449	15918	2.9	90	-N	P 0757	174	1.9	FJ		
HTPR	01	0749	0755	0808	S25	E20	.447	15918	2.8	19	-F	C 0755	80	.9	ET		
PEKG	01	0750	0755	0810	S22	E21	.430	15918	2.9	20	-N	P 0755	126		E		
GRP73374	01	0901+0	0903+0	0908	S23	E13	.353	15918	2.4	7	-F				J		
ABST	01	0901	0903	0906	S23	E14	.363	15918	2.4	5	-N	C 0903	131	1.5	FJ		
HTPR	01	0901	0903	0910	S23	E12	.344	15918	2.3	9	-F	C 0903	30	.3	E		
375	KHAR	01	0905E		09350	N38	H03	.703	15915	1.2	300	-F	P 0931	90	1.5	BDL Y5	
GRP73376	01	0915E		09400	S20	E33	.570	15920	3.9	25	-F				E		
KHAR	01	0915E		09280	S20	E36	.608	15920	4.1	130	-F	P 0920			E		
KHAR	01	0925E		09400	S20	E31	.544	15920	3.7	150	-F	P 0931	50	.6	O		
377	ABST	01	0948	0950	1002	S23	E23	.463	15918	3.1	14	-N	C 0950	131	1.5	DJ Y5	
		01	1004	1005	NO FLARE PATROL												
378	HTPR	01	1045	1056	1105	S22	E12	.331	15918	2.3	20	-F	C 1056	20	.2	Y5	
379	HTPR	01	1126	1134	1155	S25	E20	.447	15918	3.0	29	-F	C 1134	40	.4	E Y5	
380	HTPR	01	1268	1210	1214	S22	E09	.304	15918	2.2	6	-F	C 1210	20	.2	E Y5	
		01	1316	1331	NO FLARE PATROL												
381	HTPR	01	1335	1335	1340	S26	E15	.409	15918	2.7	5	-F	C 1335	20	.2	E Y5	
GRP73382	01	1418+1	1424+4	1436	S26	E15	.409	15918	2.7	18	-N		30	.3	E		
ZURI	01	1418	1428	1432	S24	E17	.405	15918	2.9	14	1F	C 1428	290	3.2			
HTPR	01	1419	1424	1438	S26	E15	.409	15918	2.7	19	-F	C 1424	20	.2	E		
RAMY	01	1426E	1426U	1436	S26	E10	.369	15918	2.4	100	-B	2 C	28				
383	RAMY	01	1455	1455	1518	S26	E10	.369	15918	2.4	23	-B	3 C	25		Y5	
384	RAMY	01	1520	1520	1532	S17	H80	.980	15903	26.6	12	-N	3 C			Y5	
GRP73385	01	1548+9	1602	1653	S24	E14	.375	15918	2.7	65	-N		110	1.2			
			1608+3														
HTPR	01	1548	1602	1715	S25	E17	.416	15918	2.9	87	-N	C 1602	40	.4	E		
HUAN	01	1555		1631	S24	E15	.385	15918	2.8	36	-N	1 P 1609	110	1.2	E		
RAMY	01	1555E	1611U	16390	S23	E13	.353	15918	2.6	440	-B	3 C	121		F		
HTPR	01	1555	1618	1715	S22	E12	.331	15918	2.6	80	-N	C 1618	40	.4	E		
HOLL	01	1557	1608	1707	S24	E11	.349	15918	2.5	70	-B	3 C	107		F		
386	HUAN	01	1735		1757	S20	E12	.306	15918	2.6	22	-N	1 C			Y5	
387	PALE	01	1810	1810	1846	S24	E15	.385	15918	2.9	36	-N	3 C	30		U F Y5	
GRP73388	01	1843E	1848+1	1855	S21	H15	.350	15917	31.7	12	-N		35	.4	F		
RAMY	01	1843E	1848	18560	S22	H13	.340	15917	31.8	130	-B	3 C	35		F		
HOLL	01	1848E	1849	1853	S20	H17	.363	15917	31.5	50	-N	3 C	34		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	MATH PLAGE REGION				CMP. DAY	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg	
					LAT.	MER. DIST.											
GRP73389	01	1950	1951	2005	S25	E10	.355	15918	2.6	15	-N			30	.3	F	
PALE	01	1950	1951	2005	S26	E09	.363	15918	2.5	15	-N	3	C	20		F	
RAMY	01	1952E	1952U	2002D	S25	E11	.362	15918	2.7	100	-B	3	C	38		F	
GRP73390	01	1959	2000	2024D	S22	H15	.361	15917	31.7	25	-B			130	1.4	FU	
HOLL	01	1959	2000	2058	S22	H16	.372	15917	31.6	59	-B	3	C	111		U F	
RAMY	01	2001E	2001J	2022D	S22	H15	.361	15917	31.7	210	-B	3	C	158		F	
HUAN	01	2016		2024	S22	H15	.361	15917	31.7	8	-F	1	C			E	
391 HOLL	01	2300	2300	2309	S23	E09	.319	15918	2.6	9	-B	3	C			OE Y5	
392 HOLL	01	2318	2321	0004	S24	E19	.426	15918	3.4	46	2B	3	C			U F Y5	
393 CULG	01	2344E	2344U	2352D	N08	H67	.930	15904	28.0	80	-F		P	2344	70	Y5	
GRP73394	02	0009+2	0016+2	0105	S25	E07	.337	15918	2.5	56	-B						
			0043+2														
MANI	02	0009	0016	0055D	S25	E04	.324	15918	2.3	460	-B	3	V	120		F	
MANI	02	0009	0044	0055D	S25	E04	.324	15918	2.3	460	-N	3	V	200		F	
PEKG	02	0010	0018	0050	S24	E05	.311	15918	2.4	40	-N		C	0018	126	E	
PEKG	02	0010	0026	0055	S25	E12	.371	15918	2.9	45	-N		C	0026	84	E	
HOLL	02	0011	0017	0105D	S26	E08	.357	15918	2.6	540	-B	3	C		187	FDE	
MANI	02	0020E	0045	0107	S25	E06	.332	15918	2.5	470	-B	2	C		190	F	
PALE	02	0036E	0043J	0047D	S27	E06	.363	15918	2.5	110	2N	3	C		589	DE	
	02	0137	0140		NO FLARE PATROL												
	02	0143	0155		NO FLARE PATROL												
GRP73395	02	0237+2	0238+3	0249	S17	E23	.420	15920	3.8	12	-F			30	.3	D	
CULG	02	0237	0238	0255	S18	E22	.412	15920	3.8	18	-F		C	0238	30	.3	
PEKG	02	0239	0241	0243	S16	E24	.428	15920	3.9	4	-F		C	0242	29	D	
396 PEKG	02	0249	0250	0258	S25	E00	.317	15918	2.1	9	-F		C	0251	17	E Y5	
GRP73397	02	0339+7	0343+7	0400	N28	H33	.731	15914	30.7	21	-N			80	1.1	E	
MANI	02	0339E	0343	0401D	N29	H33	.739	15914	30.7	220	-B	2	C	110			
CULG	02	0344E	0348	0400	N28	H30	.708	15914	30.9	160	-N		P	0348	70	1.0	
PEKG	02	0346	0350	0400	N28	H33	.731	15914	30.7	14	-F		C	0350	63	E	
GRP73398	02	0445	0455+0	0512	S25	E01	.318	15918	2.3	27	-F			60	.6		
PEKG	02	0445	0455	0510	S24	E02	.302	15918	2.3	25	-F		P	0455	42	E	
CULG	02	0454E	0455U	0514	S27	E00	.350	15918	2.2	200	-F		P	0455	80	.8 FT	
	02	0605	0612		NO FLARE PATROL												
399 KHAR	02	0840E		0903D	N32	H32	.756	15914	31.0	230	? F		P	0844	200	3.1	E Y5
		IMP.1 NO	HTPR	MONT													
GRP73400	02	0840E	0856	0912D	S25	H03	.321	15918	2.1	32	-F						D
KHAR	02	0840E		0912D	S24	H04	.308	15918	2.1	320	-F	*	P	0908	80	.8	D
ABST	02	0854E	0856	0857D	S27	H03	.353	15918	2.1	30	-F	*	P	0856	87	1.0	D
GRP73401	02	0941+5	0949+1	1009	N35	H15	.693	15915	1.3	28	-F						E
MONT	02	0941	0950	1009	N33	H15	.669	15915	1.3	28	-N		C	0950	80		E
KHAR	02	0945E		1015D	N37	H13	.709	15915	1.4	300	1F		P	0955	150	2.2	D
HTPR	02	0946	0949	1000	N35	H19	.710	15915	1.0	14	-F		C	0949	10	.1	
KHAR	02	0955E		1020D	N44	H06	.775	15915	2.0	250	-F		P	1008	60	1.0	D
402 KHAR	02	0945E		0955D	S26	H07	.352	15918	1.9	100	-F		P	0955	90	1.0	D Y5
GRP73403	02	1014+9	1027+3	1048	S34	H01	.462	15918	2.4	34	-F						E
MONT	02	1014	1030	1048	S34	E09	.481	15918	3.1	34	-N		C	1030	150		
HTPR	02	1025	1027	1033	S32	H01	.431	15918	2.4	8	-F		C	1027	20	.2	E
KHAR	02	1032E		1130D	S35	H06	.485	15918	2.0	580	1F		P	1038	250	3.0	E
404 HTPR	02	1021	1023	1027	S25	H06	.332	15918	2.0	6	-F		C	1023	20	.2	E Y5
405 HTPR	02	1029	1030	1036	S25	E06	.332	15918	2.9	7	-F		C	1030	20	.2	E Y5
GRP73406	02	1052+9	1104	1107	S23	H04	.291	15918	2.2	15	-F						
KHAR	02	1052E		1108D	S26	H07	.352	15918	1.9	160	-F		P	1055			D
HTPR	02	1103	1104	1105	S20	H01	.234	15918	2.4	2	-F		C	1104	10	.1	E
GRP73407	02	1052+3	1113	1204	S34	E07	.473	15918	3.0	72	-N			90	1.0	E	
MONT	02	1052	1113	1204	S34	E09	.481	15918	3.1	72	-N		C	1113	100		
HTPR	02	1055		1116D	S34	E06	.470	15918	2.9	210	-N		C	1111	80	1.0	E
408 MONT	02	1100	1106	1116	N38	H15	.727	15915	1.3	16	-F		C	1106	50		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.											
GRP73409	02	1212>9	1222+3	1246	S17	E18	.350	15920	3.9	34	-N		40	.4	E		
MONT	02	1212	1225	1230D	S16	E19	.357	15920	3.9	180	-F	C	1225	50	E		
RAMY	02	1222	1222	1246	S18	E18	.358	15920	3.9	24	-B	3 C		30			
410 ZURI	02	1235	1235	1241	S23	E01	.284	15918	2.6	6	-N	C	1235	80	6.9 Y5		
GRP73411	02	1342+6	1350+3	1405	S26	W02	.335	15918	2.4	23	-N		45	.5	F		
RAMY	02	1342	1353	1355	S27	W01	.351	15918	2.5	13	-B	3 C		47	F		
HOLL	02	1348	1350	1414	S26	W03	.337	15918	2.4	26	-N	3 C		39			
GRP73412	02	1402+5	1410+1	1430	S18	E16	.332	15920	3.8	28	-B						
RAMY	02	1402	1411	1458	S18	E16	.332	15920	3.8	56	1B	3 C		302	FDE		
HOLL	02	1407	1410	1434	S18	E18	.358	15920	3.9	27	-B	3 C		130	F		
HUAN	02	1412E		1425	S18	E17	.345	15920	3.9	130	-N	1 P	1414	70	E		
ZURI	02	1415E	1415	1425	S17	E16	.323	15920	3.8	100	1F	P	1415	390	4.2		
413 HUAN	02	1501	1503	1509	S32	W02	.432	15918	2.5	8	-F	1 C	1503	30	.3 E Y5		
414 RAMY	02	1624	1625	16320	S36	E05	.498	15918	3.1	80	-B	3 C		91	F Y5		
GRP73415	02	1624+1	1626+3	1636	S26	W06	.347	15918	2.2	12	-B			35	Y5		
HOLL	02	1624	1629	1634	S26	W04	.340	15918	2.4	10	-B	3 C		28	Y5		
RAMY	02	1625	1626	1638	S26	W08	.357	15918	2.1	13	-B	3 C		37	F Y5		
416 RAMY	02	1700E	1700U	1705	S17	E15	.310	15920	3.8	50	-B	3 C		38	F Y5		
417 HUAN	02	1736E		1747	S31	W01	.415	15918	2.7	110	-F	1 P	1741	40	.4 E Y5		
GRP73418	02	1751+1	1752+1	1801	S24	W03	.305	15918	2.5	10	-N			30	.3 F		
RAMY	02	1751	1753	1800	S24	W02	.302	15918	2.6	9	-B	3 C		35	F		
PALE	02	1752	1752	1801	S24	W04	.308	15918	2.4	9	-N	3 C		24	F		
GRP73419	02	1804+2	1806+1	1817	S32	W02	.432	15918	2.6	13	-N			50	.6		
BIGB	02	1804	1806	1815	S32	W01	.431	15918	2.7	11	-F	2 C	1806	70	.7		
HUAN	02	1804		1811D	S31	W02	.416	15918	2.6	70	-N	2 P	1806	30	.3 E		
RAMY	02	1806	1807	1818	S32	W02	.432	15918	2.6	12	-B	3 C		51	F		
420 RAMY	02	1828	1830	1902	S26	W08	.357	15918	2.2	34	-B	3 C		50	F Y5		
421 RAMY	02	1924	1926	1933	S23	W01	.284	15918	2.7	9	-B	3 C		43	F Y5		
422 RAMY	02	1940	1945	2008	S26	W08	.357	15918	2.2	28	-B	3 C		131	F Y5		
GRP73423	02	2001+1	2002+2	2021	S18	E15	.319	15920	4.0	20	-B			70	.7 F		
PALE	02	2001	2002	2021	S18	E15	.319	15920	4.0	20	-N	3 C		91	F		
HOLL	02	2002	2004	2010	S18	E15	.319	15920	4.0	8	-B	3 C		59	F		
RAMY	02	2002	2003	2025	S17	E16	.323	15920	4.0	23	-B	3 C		60	F		
GRP73424	02	2025+8	2033+2	2120	S25	W04	.324	15918	2.6	55	-B			120	1.3 F		
RAMY	02	2015	2019	2114	S24	W03	.305	15918	2.6	59	-N	3 C		44	F		
RAMY	02	2015	2034	2114	S24	W03	.305	15918	2.6	59	-B	3 C		123	F		
BIGB	02	2025	2052	2130	S29	E00	.383	15918	2.9	65	-F	2 C	2052	20	.2 F		
PALE	02	2030	2033	2114	S24	W05	.311	15918	2.5	44	-B	3 C		139	F		
HOLL	02	2033	2035	2052	S26	W06	.347	15918	2.4	19	-B	3 C		131			
BIGB	02	2033	2034	2038	S24	W01	.301	15918	2.8	5	-N	2 C	2034	50	.5 E		
BIGB	02	2035	2044	2048	S26	W10	.370	15918	2.1	13	-F	2 C	2044	30	.3 E		
HOLL	02	2052E	2055J	2126	S26	W06	.347	15918	2.4	34D	-B	3 C		164	F		
425 CULG	02	2332	2340	2348	S27	W07	.367	15918	2.5	16	-F	C	2340	30	.3 Y5		
426 CULG	03	0012	0018	0032	S26	W15	.411	15918	1.9	20	-F	C	0018	40	.4 Y5		
GRP73427	03	0105+4	0112+2	02300	S25	W14	.389	15918	2.8	85	1B					FILU	
PEKG	03	0105	0127	0130	S28	W14	.428	15918	2.0	25	1B	C	0127	378	F		
PEKG	03	0105	0112	0130	S28	W15	.436	15918	1.9	25	-N	C	0112	126	F		
CULG	03	0108	0208J	03220	S25	W15	.398	15918	1.9	1340	1B	C	0208	410	4.5 LFIU		
PALE	03	0109	0139	0329	S26	W14	.402	15918	2.0	140	1N	3 C		410	U F		
MANI	03	0112E	0134	02110	S24	W11	.350	15918	2.2	59D	-N	3 C		180	FDE		
MANI	03	0112E	0114	02110	S24	W11	.350	15918	2.2	59D	-B	3 C		100	FDE		
PEKG	03	0209	0215	0230	S27	W14	.415	15918	2.0	21	1B	C	0215	421	FI		
GRP73428	03	0239+9	0255+8	0327	S09	E28	.467	15924	5.2	48	-N			70	.8 EU		
CULG	03	0239E	0301J	04280	S09	E29	.482	15924	5.3	109D	-N	P	0301	160	1.8 C		
PEKG	03	0246	0256	03180	S09	E29	.482	15924	5.3	320	-N	P	0256	84	E		
PALE	03	0252	0255	0323	S10	E24	.407	15924	4.9	31	-N	3 C		62	OE		
MANI	03	0301E	0303	0327	S08	E27	.451	15924	5.2	260	-N	3 C		50	U		

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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	CORR AREA	
					LAT.	MER. DIST.											
GRP73429	03	0246	0248 0300+9	0328	S24	W12	.358	15918	2.2	42	-B			130	1.4	FKU	
PALE	03	0109	0308	0329	S26	W14	.402	15918	2.0	140	18	* C		200		U F	
PEKG	03	0246	0300	0345	S25	W13	.380	15918	2.1	59	1N	* P	0256	399		FK	
PEKG	03	0246	0248	0345	S25	W13	.380	15918	2.1	59	1N	* P					
MANI	03	0301E	0305	0327D	S24	W12	.358	15918	2.2	260	-B	* C		120		F	
CULG	03	0304	0307	0322D	S21	W06	.270	15918	2.7	180	-B	* C	0307	60	.6	F	
PEKG	03	0305	0309	0318	S21	W07	.277	15918	2.6	13	-N	* C	0309	147		E	
PEKG	03	0321	0324	0325	S25	W13	.380	15918	2.2	4	-F	* C	0324	46		E	
430 CULG	03	0304	0310	0322D	S22	E11	.323	15920	4.0	180	-N	P	0310	100	1.1	Y5	
GRP73431	03	0417+1	0418+4	0440	S23	W05	.296	15918	2.8	23	18					FIZ	
MANI	03	0417E	0418	0440	S23	W05	.296	15918	2.8	230	-B	3 C		100		F	
CULG	03	0418E	0418	0428D	S22	W05	.281	15918	2.8	100	-B	P	0418	180	1.9	C	
PEKG	03	0418	0422	0435D	S23	W09	.320	15918	2.5	170	2B	P	0422	505		FIZ	
432 TACH	03	0526	0535	0542	S33	W08	.463	15918	2.6	16	1N	C	0535	194	2.4	ELT Y5	
433 HTPR	03	0646		0702D	S32	W22	.541	15918	1.6	160	-F	C	0648	50	.6	E Y5	
GRP73434	03	0650+9	0652 0703	0715	S23	W09	.320	15918	2.6	25	-N					E	
MANI	03	0650E	0652	0707D	S29	W10	.414	15918	2.5	170	-N	3 C		45		F	
PEKG	03	0658	0703	0714	S23	W08	.313	15918	2.7	16	-N	P	0703	168		E	
HTPR	03	0701		0702D	S20	W12	.307	15918	2.4	10	-N	C	0702	60	.6	E	
CATA	03	0710E	0710	0715D	S23	W08	.313	15918	2.7	50	-N	2 P	0710	84	.9	E	
GRP73435	03	0824+1	0828+7	0850	S23	W07	.307	15918	2.8	26	-N			90	1.0	E	
PEKG	03	0824	0828	0850	S23	W09	.320	15918	2.7	26	-N	C	0828	105		E	
HTPR	03	0825		0835D	S20	W11	.297	15918	2.5	100	-N	C	0825	50	.5	E	
MONT	03	0825	0831	0839	S24	W05	.312	15918	3.0	14	-N	C	0831	100		E	
KANZ	03	0825	0828	0843	S21	W08	.284	15918	2.8	18	-N	2				E	
KANZ	03	0831	0835	0852	S28	W02	.369	15918	3.2	21	-N	2				E	
GRP73436	03	1024+1	1025+1	1053	S33	W11	.477	15918	2.6	29	-F			50	.6		
MONT	03	1024	1026	1045	S33	W10	.472	15918	2.7	21	-F	C	1026	50			
CATA	03	1025	1025	1100	S34	W12	.496	15918	2.5	35	-N	2 C	1025	56	.7		
GRP73437	03	1151+4	1200 1208+5	1243	S21	W11	.310	15918	2.7	52	1N			330	3.5	EJL	
CATA	03	1140E	1200	1200D	S21	W12	.319	15918	2.6	200	18	2 P	1200	252	2.8		
MONT	03	1151	1213	1252D	S20	W10	.287	15918	2.7	61D	1N	C	1213	330			
KAND	03	1154	1209	1216	S21	W10	.300	15918	2.7	22	1N	C		416	4.5	E	
LVOV	03	1155	1208	1236	S24	W08	.328	15918	2.9	41	1N	C	1208	250	2.8	EJ	
CATA	03	1225E	1225	1240D	S22	W12	.332	15918	2.6	150	18	1 P	1225	337	3.8		
MCHA	03	1246E		1335	S19	W12	.295	15918	2.6	49D	-N	C	1246	60	.6	EL	
GRP73438	03	1328+2	1342	1415	S18	E08	.241	15920	4.2	47	-F					E	
MCHA	03	1328	1342	1415	S18	E09	.251	15920	4.2	47	-N	C	1342	60	.6	E	
HUAN	03	1330		1402D	S19	E08	.255	15920	4.2	32D	-F	1 C	1332	30	.3		
GRP73439	03	1404+2	1411+2	1434	S20	W13	.318	15918	2.6	30	-B			60	.6	E	
MCHA	03	1404	1411	1440	S19	W12	.295	15918	2.7	36	-B	C	1411	60	.6	E	
HUAN	03	1406	1413	1423	S20	W14	.329	15918	2.5	17	-N	1 C	1413	30	.3	E	
HOLL	03	1408E	1411	1434	S22	W13	.342	15918	2.6	26D	-B	2 C		81		DE	
440 MCHA	03	1555	1557	1617	S27	W10	.385	15918	2.9	22	-F	C	1557	25	.3	D Y5	
GRP73441	03	1635+2	1640+5	1703	S19	W14	.318	15918	2.6	28	-N			70	.7	EL	
BIGB	03	1635	1640	1701	S20	W14	.329	15918	2.6	26	-N	2 P	1640	90	1.0		
HUAN	03	1636		1647D	S20	W15	.340	15918	2.6	11D	-N	1 P	1644	60	.6	E	
MCHA	03	1636	1644	1715	S19	W13	.306	15918	2.7	39	-B	C	1644	60	.6	EL	
RAMY	03	1637	1645	1703	S19	W15	.330	15918	2.6	26	-B	3 C		76			
GRP73442	03	1818+1	1819+1	1827	S18	E04	.211	15920	4.1	9	-F			35	.4	E	
MCHA	03	1818	1819	1825	S18	E07	.232	15920	4.3	7	-F	C	1819	40	.4	E	
HUAN	03	1819	1820	1829	S18	E02	.203	15920	3.9	10	-F	1 C	1820	30	.3	E	
GRP73443	03	1900+0	1900+3	1905	S18	E03	.207	15920	4.0	5	-N			30	.3		
MCHA	03	1900	1901	1906	S18	E07	.232	15920	4.3	6	-F	C	1901	40	.4	E	
PALE	03	1900	1900	1902	S18	E03	.207	15920	4.0	2	-N	3 C		24		F	
RAMY	03	1902E	1903	1905	S18	E02	.203	15920	3.9	3D	-N	3 C		25			
GRP73444	03	1928+1	1934+3	1951	N28	W60	.922	15914	30.3	23	-N					EH	
MCHA	03	1928	1934	1948	N28	W55	.893	15914	30.7	20	-F	C	1934	40	1.0	EH	
BIGB	03	1929	1937	1953	N28	W65	.948	15914	29.9	24	1N	1 C	1937	100			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq. Deg.			
					LAT.	NER. DIST.													
GRP73445	03	1930+7	1937+4	1953	S29	W14	.441	15918	2.8	23	-N						EKH		
			1943																
MCMA	03	1930	1948	2015D	S29	W14	.441	15918	2.8	45D	1N	C	1948	180	2.1				
MCMA	03	1930	1948	2015D	S29	W14	.441	15918	2.8	45D	1N	C	1939	90	1.0		EKH		
BIGB	03	1936	1941	1953	S28	W11	.406	15918	3.0	17	-N	1	C	1941	60	.6			
RAMY	03	1937	1937	1953	S27	W17	.441	15918	2.5	16	-B	3	C		33		F		
BIGB	03	1937	1941	1952	S32	W17	.501	15918	2.5	15	-N	1	C	1941	70	.8		E	
GRP73446	03	1949+1	1956+4	2030D	S18	E02	.203	15920	4.0	41	18				210	2.2	H		
MCMA	03	1949	2000	2100	S18	E05	.217	15920	4.2	71	18		C	2000	200	2.1	EH		
RAMY	03	1950	1956	2024D	S18	E01	.201	15920	3.9	34D	18	3	C		214		DE		
PALE	03	1954E	1958J	2030	S18	E02	.203	15920	4.0	36D	18	3	C		208		F		
GRP73447	03	2058+4	2107+1	2118	S21	W18	.386	15918	2.5	20	-N						E		
HOLL	03	2058	2108	2120	S26	W19	.449	15918	2.4	22	-B	3	C		108				
MCMA	03	2102	2107	2115	S17	W18	.351	15918	2.5	13	-F		C	2107	40	.4	E		
448	MCMA	03	2123	2125	2134	S17	W18	.351	15918	2.5	15	-F		C	2125	30	.3	E	Y5
449	CULG	03	2321	2327	2334	S27	W13	.407	15918	3.0	13	-F		C	2327	30	.3		Y5
GRP73450	03	2340+3	2346+1	2357	S20	W23	.440	15918	2.3	17	-F				50	.6	EL		
CULG	03	2340	2347	0000	S20	W22	.427	15918	2.3	20	-F		C	2347	40	.4			
VORO	03	2343	2346	2354	S20	W24	.453	15918	2.2	11	-N		C	2346	63	.7	EL		
GRP73451	04	0111+3	0117+1	0129	S25	W18	.428	15918	2.7	18	-N						L		
CULG	04	0111	0117	0125	S25	W20	.449	15918	2.5	14	-F		C	0117	30	.3	F		
VORO	04	0114	0118	0132	S25	W17	.418	15918	2.8	18	-B		C	0118	81	.9	EL		
GRP73452	04	0128+5	0136+2	0204	N29	W59	.919	15914	30.6	36	-F				60	1.4	EJ		
CULG	04	0128	0138	0210	N29	W59	.919	15914	30.6	42	-N		C	0138	60	1.4			
VORO	04	0133	0136	0158	N30	W60	.927	15914	30.6	25	-F		C	0136	72	1.8	EJ		
453	PEKG	04	0211	0213	0215	S29	W32	.612	15918	1.7	4	-F		C	0213	34		E	Y5
454	CULG	04	0412	0415	0424	S25	W15	.399	15918	3.1	12	-N		P	0415	40	.5		Y5
455	CULG	04	0445	0447	0500	S28	W32	.605	15918	1.8	15	-N		P	0447	20	.2		Y5
GRP73456	04	0713E	0715+1	0730	S22	W57	.839	15916	31.0	17	-B				90	1.7	E		
MANI	04	0713E	0715	0730	S21	W58	.847	15916	31.0	170	-B	3	C		90				
PEKG	04	0715E	0716	0726	S22	W56	.831	15916	31.1	110	-B		C	0716	67		E		
CATA	04	0720E	0720	0746	S22	W57	.839	15916	31.0	200	18	2	P	0720	168	3.3			
GRP73457	04	0735	0735	0755	N24	W62	.925	15914	30.7	20	-N						DG		
CATA	04	0735	0735	0755	N23	W61	.916	15914	30.7	20	-N	2	P	0735	28	.6			
ABST	04	0736E	0736	0738D	N25	W64	.938	15914	30.5	20	1F		P	0736	87		DG		
458	ABST	04	0736E	0736	0738D	N34	W46	.860	15915	31.9	2D	-F		P	0736	87	1.6	DG	Y5
		04	1135	1141	NO FLARE PATROL														
459	HUAN	04	1310E		1333D	S23	E11	.337	0	5.4	23D	-F	1	P				E	Y5
460	HUAN	04	1320		1402D	S24	W30	.556	15918	2.3	42D	-F	1	P				E	Y5
		04	1339	1356	NO FLARE PATROL														
		04	1402	1409	NO FLARE PATROL														
461	HOLL	04	1432	1432	1438	S25	W28	.539	15918	2.5	6	-B	3	C		23			Y5
		04	1504	1515	NO FLARE PATROL														
462	HOLL	04	1659	1700	1707	S23	W29	.537	15918	2.5	8	-B	3	C		29			Y5
463	HUAN	04	1838E		1848D	S18	W55	.817	15917	31.7	10D	-F	1	P	1843	15	.2	D	Y5
GRP73464	04	1848+2	1852+0	1902	S23	W30	.549	15918	2.5	14	-B				25	.3	D		
RAMY	04	1848	1852	1902	S23	W30	.549	15918	2.5	14	-B	3	C		25				
HOLL	04	1850	1852	1902	S23	W30	.549	15918	2.5	12	-B	3	C		20				
HUAN	04	1900E	1902	1904D	S25	W26	.516	15918	2.8	4D	-F	1	P	1902	20	.2	D		
GRP73465	04	2009+1	2024	2038	S08	E04	.075	15924	5.1	29	-N				50	.5	E		
HUAN	04	2009		2032D	S03	E06	.107	15924	5.3	23D	-N	1	P	2019	60	.6	E		
HOLL	04	2010	2024	2038	S09	E03	.069	15924	5.1	28	-N	3	C		50				
466	HUAN	04	2058		2116	S27	W35	.631	15918	2.2	18	-F	1	C				E	Y5

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OBSERV- ATORY	OBSERVED UT				LOCATION				DURA- TION	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION			CMP. DAY	MIN.	COND.	TYPE	TIME UT		MEAS. AREA Mill of Disk	CORR AREA Sq Deg.
					LAT.	MER. DIST.												
SRP73467	04	2139+1	2140+0	2147	S25	H32	.585	15918	2.5	8	-N			20	.3			
HOLL	04	2139	2140	2147	S25	H32	.585	15918	2.5	8	-B	3	C	21		F		
HUAN	04	2139		2143D	S23	H31	.561	15918	2.6	4D	-N	1	P	25	.3	D		
PALE	04	2140	2140	2146	S26	H32	.592	15918	2.5	6	-N	3	C	21		DE		
468 CULG	04	2220E	2242U	2246	S28	E40	.689	0	7.9	26D	-N		P	2242	120	1.7	SF Y5	
	05	0201	0208	NO FLARE PATROL														
	05	0228	0230	NO FLARE PATROL														
	05	0336	0341	NO FLARE PATROL														
469 MANI	05	0359	0401	0411	S29	H31	.602	15918	2.8	12	-B	3	C		40		Y5	
	05	0413	0422	NO FLARE PATROL														
470 MANI	05	0523	0528	0533D	S17	H19	.365	15920	3.8	100	-N	3	C		80		Y5	
471 MANI	05	0525	0526	0533D	S28	H31	.595	15918	2.9	8D	-N	3	C		50		F Y5	
472 MANI	05	0626E	0626U	0633D	S28	H30	.584	15918	3.0	7D	-N	3	V		30		F Y5	
473 KAND	05	0636E		0704	S23	H38	.645	15918	2.4	28D	-F		C		73	1.0	F Y5	
GRP73474	05	0650+6	0653	0701	S27	H37	.653	15918	2.5	11	-N						D	
KAND	05	0650	0653	0658	S28	H37	.659	15918	2.5	8	-F		C		83	1.2	D	
ISTA	05	0656		0703	S27	H38	.664	15918	2.4	7	-B						D	
GRP73475	05	0726+4	0727+5	0735	S22	H39	.653	15918	2.4	9	-F				40	.5		
MANI	05	0726	0727	0733	S23	H39	.657	15918	2.4	7	-N	3	C		40			
KAND	05	0730	0732	0736	S22	H39	.653	15918	2.4	6	-F		C		42	.6		
476 KAND	05	0800	0804	0816	S29	H30	.592	15918	3.1	16	-F		C		42	.5	E Y5	
477 KAND	05	0833	0835	0843	S26	H33	.603	15918	2.9	15	-F		C		114	1.5	F Y5	
GRP73478	05	0925+2	0927+2	0932	S23	H40	.668	15918	2.4	7	-F				90	1.2		
TELV	05	0925	0927	0931	S23	H42	.691	15918	2.2	6	-N	3		0927	125	1.7		
KAND	05	0927	0929	0932D	S23	H38	.645	15918	2.5	5D	-F		C		62	.8		
479 TELV	05	1027	1035	1045	S28	H34	.627	15918	2.9	18	-N	3			60	.7	E Y5	
480 ABST	05	1150	1151	1154D	S24	H43	.705	15918	2.3	4D	-F		P	1151	105	1.5	DV Y5	
481 ZURI	05	1242	1310	1348D	S22	E12	.334	0	6.4	66D	-F		P	1310	200	2.2	Y5	
GRP73482	05	1452+7	1457+2	1504	N20	E88	1.000	15933	12.2	12	-B							
HTRP	05	1452	1457	1504	N20	E90	1.001	15933	12.4	12	1B		C	1457	80			
HOLL	05	1459	1459	1534	N20	E88	1.000	15933	12.2	35	-B	3	C				DE	
RAMY	05	1459	1459	1503	N20	E78	.988	15933	11.5	4	-B	3	C					
GRP73483	05	1823+3	1827+2	1846	N20	E89	1.000	15933	12.4	23	-N							
BIGB	05	1823	1829	1859	N19	E90	1.001	15933	12.5	36	1N	*	C	1829	60			
RAMY	05	1825	1827	1832	N20	E76	.982	15933	11.5	7	-N	3	C					
HOLL	05	1826	1828	1848	N20	E88	1.000	15933	12.4	22	-B	*	C					
PALE	05	1828E	1828U	1844D	N20	E90	1.001	15933	12.5	16D	-N	*	C				DE	
484 HOLL	05	1944	1948	1957	S25	H44	.719	15918	2.5	13	-B	3	C		110		Y5	
485 BIGB	05	2125	2137	2155	N13	E90	1.000	15934	12.6	30	?N	2	C	2137	70		Y5	
		IMP.1	NO	HOLL														
486 CULG	05	2349	2358	0002	S08	H10	.175	15924	5.2	13	-F		C	2358	10	.1	Y5	
GRP73487	06	0353	0450	0550	S35	H41	.736	15918	3.1	117	1N						D	
			0502															
CULG	06	0353	0450J	0550	S35	H40	.727	15918	3.2	117	1N		C	0450	150	2.3		
ABST	06	0459E	0502	0507D	S36	H43	.758	15918	3.0	8D	-F		P	0502	87	1.3	D	
488 ABST	06	0601E	0602	0620D	S28	E63	.893	15929	11.0	19D	-F		P	0602	87		E Y5	
489 ABST	06	0621E	0626	0628D	S46	H54	.875	0	2.2	7D	-F		P	0626	87	1.8	DG Y5	
490 ABST	06	0631E	0635	0643D	S32	H48	.783	15918	2.7	12D	-F		P	0635	114	1.8	EJ Y5	
GRP73491	06	0815+5	0820+2	0835	S24	H90	.999	15916	30.6	20	1N				100		A	
HTRP	06	0815	0822	0835	S23	H90	.999	15916	30.6	20	1N		C	0822	90			
CATA	06	0820	0820	0835	S25	H90	.999	15916	30.6	15	1N	2	C	0820	112		A	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP. DAY	TIME UT	MEAS. AREA Mill of Disk			CORR AREA Sq. Deg.
					LAT.	NER. DIST.											
517 ABST	07	0720E	0726	0736D	N15	E75	.975	15933	12.9	160	?F	P	0726	87		OJ	Y5
		IMP.1 NO	: MANI	HTPR	CATA												
GRP73518	07	0824+0	0825	0827	N23	E78	.989	15933	13.2	3	-N						
A3ST	07	0824	0825	0826D	N25	E80	.994	15933	13.4	2D	1F	P	0825	87		D	
ISTA	07	0824		0827	N22	E77	.986	15933	13.1	3	-N					D	
519 ABST	07	0836	0837	0839	N21	E70	.960	15933	12.6	3	?N	C	0837	87		OJV	Y5
		IMP.1 NO	: HTPR	CATA													
520 ABST	07	0848	0853	0900	N25	E80	.994	15933	13.4	12	?F	C	0850	87		DJ	Y5
		IMP.1 NO	: CATA														
	07	1013	1025														NO FLARE PATROL
	07	1030	1040														NO FLARE PATROL
	07	1045	1110														NO FLARE PATROL
	07	1120	1130														NO FLARE PATROL
	07	0958	1001														NO FLARE PATROL
521 HTPR	07	1432	1441	1452	S17	W66	.908	15918	2.7	20	-N	C	1441	50	1.1	E	Y5
522 RAMY	07	1441	1442	1451	S17	W50	.766	15920	3.9	10	-N	3 C		29			Y5
523 HTPR	07	1454	1457	1510	S28	E32	.606	15929	10.0	16	-F	C	1457	20	.2	E	Y5
GRP73524	07	1544+2	1546+2	1601	S13	W25	.431	15924	5.8	17	-N			35	.4	E	
HTPR	07	1544	1548	1605	S13	W27	.461	15924	5.6	21	-N	C	1548	30	.4	E	
RAMY	07	1546	1546	1556	S13	W23	.401	15924	5.9	10	-B	3 C		42			
GRP73525	07	1652+1	1653+0	1704	S24	W66	.911	15918	2.8	12	-B			35			F
RAMY	07	1652	1653	1703	S23	W66	.910	15918	2.8	11	-B	3 C		28			F
HOLL	07	1653	1653	1704	S26	W67	.918	15918	2.7	11	-B	3 C		35			F
GRP73526	07	1752+2	1756+0	1804	S17	W52	.787	15920	3.8	12	-B			70	1.2		F
HOLL	07	1752	1756	1827	S18	W52	.788	15920	3.8	35	1B	3 C		170			F
RAMY	07	1754	1756	1804	S17	W52	.787	15920	3.8	10	-B	3 C		60			F
PALE	07	1757E	1757U	1802	S17	W52	.787	15920	3.8	50	-N	2 C		72			F
GRP73527	07	1900	1926	1958	N17	E64	.923	15933	12.6	58	-N						D
HOLL	07	1900	1926	2000	N17	E59	.889	15933	12.2	60	-B	2 C		24			
HUAN	07	1903E		1956	N18	E69	.952	15933	13.0	530	-F	1 P					D
528 CULG	07	2238E	2240	2244	N13	E78	.984	15936	13.8	60	-F	P	2240	20			Y5
529 CULG	08	0033	0042	0058	N17	W34	.653	15923	5.5	25	-N	C	0042	30	.4		Y5
530 CULG	08	0209U	0209U	0223	S27	E52	.805	15930	12.0	140	-N	P	0209	40	.7		Y5
531 CULG	08	0412	0419	0430	N17	E63	.916	15933	12.9	18	-N	C	0419	40	1.0		Y5
532 ABST	08	0458E	0506	0536	N19	E67	.943	15933	13.2	380	?F	P	0506	79		E	Y5
		IMP.1 NO	: TACH														
533 ABST	08	0458E	0525	0541D	S27	E53	.813	15930	12.2	430	-F	* P	0525	79	1.4	OG	Y5
534 ABST	08	0458E	0525	0541D	S11	W33	.544	15924	5.7	430	-N	P	0525	96	1.2	EJ	Y5
535 A3ST	08	0644E	0713	0758D	S27	W01	.357	0	8.2	740	-F	P	0713	87	1.0	D	Y5
GRP73536	08	0840+0	0840+2	0847	N20	E53	.851	15933	12.3	7	-F						DJ
A3ST	08	0840	0842	0846	N21	E54	.862	15933	12.4	6	-N	C	0842	87	1.6	DJ	
KANZ	08	0840E	0840	0847	N19	E52	.839	15933	12.3	70	-F	2				D	
537 ABST	08	0855E	0920	0928D	S12	W33	.546	15924	5.9	330	-F	P	0920	114	1.4	EJ	Y5
538 CATA	08	0915E	0915	0930D	S33	W80	.979	15918	2.4	150	-N	1 P	0915	28			Y5
	08	1010	1020														NO FLARE PATROL
	08	1030	1040														NO FLARE PATROL
	08	1125	1127														NO FLARE PATROL
	08	1200	1204														NO FLARE PATROL
	08	1215	1218														NO FLARE PATROL
GRP73539	08	1237	1246	1318	N15	E56	.861	15933	12.7	41	-B						F
			1254														
RAMY	08	1237	1254	1322	N18	E58	.884	15933	12.9	45	1B	3 C		101			F
ZURI	08	1238E	1246	1314	N13	E55	.847	15933	12.7	360	-N	P	1246	80	1.6		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MGMATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg.
					LAT.	MER. DIST											
	08	1403	1405	NO FLARE PATROL													
	08	1410	1416	NO FLARE PATROL													
	08	0608	0611	NO FLARE PATROL													
	08	0940	0955	NO FLARE PATROL													
GRP73540	08	1508	1525+3	1540	S30	H84	.993	15918	2.3	32	-F						D
RAMY	08	1508	1525	1540	S30	H81	.982	15918	2.6	32	-N	3	C				
HUAN	08	1524	1528	1539	S30	H87	.995	15918	2.1	15	-F	1	C	1528	10		D
541 HUAN	08	1530	1536	1541	S12	H41	.654	15924	5.6	11	-F	1	C	1536	10	.1	D Y5
GRP73542	08	1822+0	1822+1	1829	N20	E53	.851	15933	12.7	7	-N				60	1.1	
BIGB	08	1822	1823	1829	N22	E56	.880	15933	13.0	7	-N	2	C	1823	70	1.1	
HOLL	08	1822	1822	1828	N19	E51	.831	15933	12.6	6	-B	3	C		48		DE
543 HOLL	08	1844	1849	1854	N19	E51	.831	15933	12.6	10	-B	3	C		21		Y5
544 BIGB	08	1935	2000	2030	N02	E90	1.000	15937	15.6	55	?F	2	P	2000	60		Y5
		IMP.1	NO	HOLL PALE													
545 CULG	08	2133E	2243U	0205	S24	H08	.333	15926	8.3	2720	-N		C	2243	130	1.7	G Y5
546 CULG	09	0001	0015U	0045	N01	E90	1.000	15937	15.8	44	-F		C	0015	10		Y5
547 CULG	09	0103	0105	0138	S28	E25	.534	15929	10.9	35	-F		C	0105	50	.6	Y5
GRP73548	09	0106+4	0110+2	0118	N19	E57	.879	15933	13.3	12	-N				50	1.0	E
CULG	09	0106	0112	0124	N19	E58	.886	15933	13.4	18	-N		C	0112	30	.6	
VORO	09	0109	0110	0118	N20	E58	.888	15933	13.4	9	1F		C	0110	152	3.1	E
PEKG	09	0110	0111	0118	N19	E57	.879	15933	13.3	8	-B		C	0111	67		E
PALE	09	0111E	0112	01150	N17	E57	.873	15933	13.3	40	-N	3	C		36		OE
549 CULG	09	0204	0214	0225	N01	E90	1.000	15937	15.8	21	-N		C	0214	20		Y5
550 CULG	09	0216	0256	0320	N35	E88	1.001	0	15.7	64	-F		C	0256	20		Y5
GRP73551	09	0310+5	0312+5	0330	N25	E21	.604	0	10.7	20	-F				80	1.0	G
CULG	09	0310	0315	0333	N24	E22	.601	0	10.8	23	-N		C	0315	80	1.0	G
VORO	09	0311	0312	0314	N26	E21	.616	0	10.7	3	-F		C	0312	90	1.1	E
PEKG	09	0315	0317	0330	N25	E21	.604	0	10.7	15	-F		C	0318	25		D
552 CULG	09	0406	0412	0424	N06	E88	1.000	15937	15.8	18	-F		C	0412	10		Y5
GRP73553	09	0450+5	0455+4	0517	S33	E27	.599	15929	11.2	27	-F				100	1.3	E
CULG	09	0450	0455	0517	S33	E27	.599	15929	11.2	27	-N		C	0455	80	.9	E
MITK	09	0451	0459	0506	S38	E27	.646	15929	11.2	15	-F		C	0459			E
PEKG	09	0455	0458	0520	S33	E27	.599	15929	11.2	25	-F		C	0458	126		E
GRP73554	09	0543	0552	0624	S28	E25	.534	15929	11.1	41	-N						F
CULG	09	0543	0552	0635	S30	E24	.543	15929	11.0	52	-N		C	0552	60	.7	F
MANI	09	0602E	0602U	0612	S27	E27	.547	15929	11.3	100	-N	3	C		50		F
555 CULG	09	0643	0646	0655	N06	E87	.999	15937	15.8	12	-N		C	0646	30		Y5
556 KANZ	09	0716	0740	0759	N03	E85	.997	15937	15.7	43	-F	2					Y5
GRP73557	09	0843+9	0915+1	0928	S15	H90	1.000	15918	2.6	45	-N						
KANZ	09	0843	0915	0934	S15	H90	1.000	15918	2.6	51	-N	1					
ZURI	09	0912	0916	0922	S16	H90	1.000	15918	2.6	10	-N		C	0916	180		
558 ABST	09	0921E	0927	0944D	N33	E34	.773	15935	11.9	230	-F		P	0927	122	1.9	EGJ Y5
559 ABST	09	0921E	0944	0944D	S30	E24	.543	15929	11.2	230	?F		P	0944	227	2.7	FJ Y5
		IMP.1	NO	KANZ ZURI MONT													
GRP73560	09	1039+2	1041+4	1048	N20	E51	.834	15933	13.3	9	-F				50	.9	E
MONT	09	1039	1041	1048	N20	E52	.842	15933	13.3	9	-F		C	1041	50		E
ZURI	09	1040	1042	1048	N19	E51	.830	15933	13.3	8	-F		C	1042	80	1.5	
KAND	09	1041	1045	1049	N20	E51	.834	15933	13.3	8	-F		C		21	.4	E
GRP73561	09	1042+9	1056+0	1105	N04	E85	.997	15937	15.8	23	-N						FK
KANZ	09	0959	1056	1114	N04	E85	.997	15937	15.8	75	-N	*					FK
KAND	09	1042	1056	1105	N06	E85	.997	15937	15.8	23	1N	* C					
ZURI	09	1052	1056	1100	N03	E90	1.000	15937	16.2	8	-F	*	C	1056	110		

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MATH FLARE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR AREA Sq. Deg.	
					LAT.	MER. DIST.												
GRP73562	09	1142+0	1142+2	1150	N07	E76	.974	15937	15.2	8	-B							
KANZ	09	1142	1142	1150	N07	E75	.970	15937	15.1	8	-B	2						
ZURI	09	1142	1144	1150	N06	E80	.987	15937	15.5	8	-B	C	1144	100				
RAMY	09	1142	1143	1149	N08	E76	.975	15937	15.2	7	-N	3	C		62			
GRP73563	09	1212+3	1215+1	1223	S28	E19	.475	15929	10.9	11	-F							
ZURI	09	1212	1216	1230	S29	E19	.487	15929	10.9	18	-F		C	1216	50	.6		
RAMY	09	1214	1215	1223	S28	E19	.475	15929	10.9	9	-N	3	C		70	.8		
KANZ	09	1215	1215	1223	S27	E19	.464	15929	10.9	8	-F	2			31			
GRP73564	09	1216+2	1226	1316	N05	E87	.999	15937	16.0	60	1B							
			1237+3															
ZURI	09	1216	1240	1324	N03	E90	1.000	15937	16.3	68	2B		C	1240	180			
KANZ	09	1218	1237	1316	N05	E87	.999	15937	16.0	58	1B	3						
RAMY	09	1218	1226	1248	N05	E85	.997	15937	15.9	30	1B	3	C					
GRP73565	09	1508+9	1508+2	1521	N19	E38	.708	15933	12.5	13	-F							
			1519+0															
KANZ	09	1508	1508	1515	N20	E35	.684	15933	12.3	7	-F	3						
ZURI	09	1510	1510	1518	N19	E36	.687	15933	12.3	8	-F		C	1510	60	.9		
KANZ	09	1511	1519	1523	N18	E41	.732	15933	12.7	12	-F	3						
RAMY	09	1518	1519	1521	N20	E39	.724	15933	12.6	3	-N	3	C		42			
GRP73566	09	1515+9	1523+4	1528	N06	E90	1.000	15937	16.4	13	-N							
KANZ	09	1515	1523	1527	N07	E90	1.000	15937	16.4	12	-B	3						
BIGB	09	1526	1527	1529	N05	E90	1.000	15937	16.4	3	-F	2	C	1527	20			
GRP73567	09	1620+2	1622+2	1632	N20	E40	.733	15933	12.7	12	-N							
RAMY	09	1620	1624	1630	N20	E39	.724	15933	12.6	10	-N	3	C		92			
HOLL	09	1622	1622	1633	N21	E42	.758	15933	12.8	11	-N	3	C		21			
568 HUAN	09	1829E		1836	N18	E50	.818	15933	13.5	70	-F	1	P			Y5		
569 HUAN	09	1925		1929	N11	E63	.906	15936	14.5	4	-F	1	C			Y5		
	09	1941	1949		NO FLARE PATROL													
	09	1955	2004		NO FLARE PATROL													
	09	2008	2013		NO FLARE PATROL													
	09	2024	2031		NO FLARE PATROL													
570 MITK	10	0458	0504	0512	N11	E90	1.000	15948	17.0	14	?B		C	0504	220	EH	Y5	
		IMP. 1	NO TACH															
GRP73571	10	0528	0538+0	0548	S00	E73	.957	15937	15.7	20	-N				60			
TACH	10	0528	0538	0548	S00	E74	.962	15937	15.8	20	1F		C	0538	71	D		
PEKG	10	0538E	0538	0548	S00	E73	.957	15937	15.7	100	-B		P	0538	50	E		
572 ABST	10	0610E	0615	0617D	S27	W24	.515	15940	8.5	70	-F		P	0615	148	1.8	E	Y5
GRP73573	10	0615	0616	0630	N15	W69	.948	15939	5.1	15	-N						E	
			0622															
PEKG	10	0615	0616	0630	N15	W69	.948	15939	5.1	15	-N		C					
PEKG	10	0615	0622	0630	N15	W69	.948	15939	5.1	15	-N		C	0622	38		E	
GRP73574	10	0627	0629	0653	S13	W59	.853	15924	5.8	26	1B				140	2.7	E	
PEKG	10	0627	0629	0645	S13	W59	.853	15924	5.8	18	1B		C	0629	147		E	
MITK	10	0632E		0700	S13	W60	.861	15924	5.8	280	1B		P	0632	130	2.5	E	
GRP73575	10	0834+1	0838+2	0844	N07	E87	.999	15948	16.9	10	-F				50			
ZURI	10	0834	0838	0842	N06	E90	1.000	15948	17.1	8	-N		C	0838	60			
CATA	10	0835	0840	0845	N08	E85	.997	15948	16.7	10	-F	2	C	0840	39			
576 ZURI	10	0952	0958	1010	N04	E75	.968	15937	16.0	18	-N		C	0958	70		Y5	
GRP73577	10	1140+2	1142+3	1151	N02	E69	.936	15937	15.7	11	-B				70			
CATA	10	1140	1145	1155	N03	E67	.924	15937	15.5	15	1N	2	C	1145	84			
ZURI	10	1142	1142	1146	N01	E71	.947	15937	15.8	4	-B		C	1142	60			
578 CATA	10	1215	1220	1235	N25	E85	.999	15943	16.9	20	-N	2	C	1220	28		Y5	
GRP73579	10	1249+1	1250	1254	S29	E07	.406	15929	11.1	5	-F							
HUAN	10	1249		1254	S29	E08	.410	15929	11.1	5	-F	1	C					
ZURI	10	1250	1250	1254	S29	E07	.406	15929	11.1	4	-F		C	1250	50	.6		
580 ZURI	10	1258	1304	13120	N16	W71	.959	15939	5.2	140	-F		P	1304	40		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	MC MATH PLAGE REGION				CMP. DAY	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq Deg.	
					LAT.	MER. DIST.											
GRP73581	10	1400+3	1404	1410	S12	W64	.894	15924	5.8	10	-F						
KANZ	10	1400	1424	1458	S12	W64	.894	15924	5.8	58	-F	2					
ZURI	10	1402	1404	1410	S11	W63	.886	15924	5.9	8	-N	C	1404	40	.9		
HUAN	10	1403		1408	S12	W64	.894	15924	5.8	5	-F	1 C					
GRP73582	10	1428+0		1454	N15	W75	.975	15939	5.0	26	-F				DG		
MCMA	10	1428E		1454	N17	W73	.969	15939	5.1	260	-N	C	1435		D		
HUAN	10	1428		1451	N15	W75	.975	15939	5.0	23	-F	* C			D		
KANZ	10	1446		15250	N15	W75	.975	15939	5.0	390	-F	*			G		
583	MCMA	10	1505	1517	1540	N17	W73	.969	15939	5.2	35	-F	C	1517		D Y5	
584	MCMA	10	1619	1623	1633	S12	W64	.894	15924	5.9	14	-N	C	1623	30	.7 E Y5	
GRP73585	10	1720+0	1734+6	1808	N07	E57	.851	15937	15.0	48	-N			80	1.5	EL	
MCMA	10	1720	1734	1835	N08	E57	.853	15937	15.0	75	-B	C	1734	50	1.0	EL	
RAMY	10	1720	1735	1805	N08	E58	.862	15937	15.1	45	1B	3 C		158		F	
BIGB	10	1731	1740	1800	N06	E50	.781	15937	14.5	29	-N	2 C	1740	110	1.8		
HUAN	10	1733		1810D	N07	E58	.860	15937	15.1	370	-N	1 P	1735	45	.9	E	
586	HUAN	10	1748	1755	1804	N15	W75	.975	15939	5.1	16	-F	1 C	1755	20		D Y5
587	HUAN	10	1802		1810D	N01	E67	.922	15937	15.8	80	-F	* P				Y5
GRP73588	10	1816+2	1824	1855	S12	W67	.916	15924	5.7	39	-N					EK	
			1846														
MCMA	10	1816	1837	1855	S12	W65	.901	15924	5.9	39	-N	C	1837	50	1.2	EK	
RAMY	10	1818	1824	1826	S11	W67	.916	15924	5.7	8	-N	3 C		17			
RAMY	10	1837	1846	1858	S11	W67	.916	15924	5.8	21	-B	3 C		59			
HUAN	10	1849E		1853	S12	W68	.922	15924	5.7	40	-F	1 P	1850	20			
GRP73589	10	2040+1	2042+0	2044	N15	W75	.975	15939	5.2	4	-F			25			
BIGB	10	2040	2042	2043	N16	W75	.976	15939	5.2	3	-N	2 C	2042	30			
RAMY	10	2041	2042	2044	N15	W76	.979	15939	5.2	3	-F	3 C		16			
590	BIGB	10	2052E	2052J	2055	S11	E68	.923	15938	16.0	30	-N	2 P	2052	10		D Y5
591	RAMY	10	2053	2053	2055D	S11	W68	.923	15924	5.8	20	-N	3 C		14		Y5
592	BIGB	10	2104	2105	2113	N04	E66	.918	15937	15.8	9	-N	2 C	2105	50		Y5
GRP73593	10	2247+4	2251+1	2257	N02	E61	.878	15937	15.5	10	-N			50	1.0	E	
BIGB	10	2247	2251	2257	N11	E61	.891	15937	15.5	10	-N	2 C	2251	50	1.1		
VORO	10	2248	2252	2259	N02	E62	.886	15937	15.6	11	-F	C	2252	99		E	
PALE	10	2251	2251	2257	S00	E61	.876	15937	15.5	6	-N	3 C		26		DE	
594	VORO	11	0021	0026	0044	N10	E50	.791	15936	14.8	23	-F	C	0026	81	1.3	E Y5
595	VORO	11	0137	0141	0208	N17	W90	1.000	15923	4.3	31	-N	C	0141	72		DJ Y5
596	VORO	11	0205	0208	0212	N08	E57	.853	15937	15.4	7	-F	C	0208	72	1.3	D Y5
597	VORO	11	0257	0303	0318	N20	E26	.594	15933	13.1	21	-F	C	0303	108	1.3	E Y5
598	VORO	11	0304	0307	0314	N04	E60	.872	15937	15.6	10	-F	C	0307	54	1.1	DJ Y5
		11	0442	0452	NO FLARE PATROL												
		11	0459	0511	NO FLARE PATROL												
599	ABST	11	0521	0524	0529	N01	E58	.851	15937	15.6	8	-N	C	0524	87	1.6	DJ Y5
600	ABST	11	0543	0544	0556	N17	W85	.999	15939	4.9	13	?N	C	0544	87		DJ Y5
			IMP.1 NO : MITK														
601	ABST	11	0543	0553	0616	N30	E84	.999	15942	17.5	33	?F	C	0553	96		DJ Y5
			IMP.1 NO : MITK														
GRP73602	11	0550+3	0553+2	0605	N05	E69	.938	15937	16.4	15	1F			140		E	
ABST	11	0550	0553	0607	N06	E69	.939	15937	16.4	17	1N	C	0553	175		E	
MITK	11	0553	0555	0603	N05	E69	.938	15937	16.4	10	1F	C	0555	110			
GRP73603	11	0614+2	0616+4	0630	N20	E29	.623	15933	13.4	16	-N					E	
ABST	11	0614	0616	0634D	N19	E29	.615	15933	13.4	200	1N	P	0616	244	3.2	E	
MITK	11	0616	0620	0625	N21	E29	.632	15933	13.4	9	-F	C	0620			E	
604	ABST	11	0723E	0724	0736D	N06	E54	.821	15937	15.4	130	-N	P	0724	96	1.7	E Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
605 ABST	11	0730	0734	0804D	S26	W41	.694	15940	8.2	340	1F	P	0734	148	2.1	F	Y5	
GRP73606	11	0834E	0842+D 0850	0903	N10	E70	.948	15948	16.6	29	1N					E		
ZURI	11	0834E	0842	0850D	N11	E75	.972	15948	17.0	160	2N	P	0842	550				
ATHN	11	0842E	0850	0915	N07	E70	.946	15948	16.6	330	-F	1	0850	98	2.8			
MANI	11	0842E	0842U	0847	N10	E67	.931	15948	16.4	50	-N	3	C	20				
ABST	11	0900E	0902	0915	N10	E71	.954	15948	16.7	150	1N	P	0902	131		E		
607 ABST	11	0914E	0916	0920	N20	E70	.959	15943	16.6	60	1N	C	0916	87		DJ	Y5	
608 ABST	11	0938	0944	1002	N02	E57	.843	15937	15.7	24	-F	C	0944	87	1.7	EJ	Y5	
609 CATA	11	1115	1115	1125	N12	H90	1.000	15923	4.7	10	-N	2	C	1115	28		Y5	
610 WEND	11	1131E		1154	S28	W41	.703	15940	8.4	230	-N	V					Y5	
611 CATA	11	1235	1240	1245D	N12	H90	1.000	15923	4.8	100	1F	2	P	1240	56		Y5	
612 ZURI	11	1303	1303	1309	N16	H90	1.000	15923	4.8	6	-N	C	1303	50			Y5	
GRP73613	11	1325+2	1327+2 1346	1351	S26	W42	.705	15940	8.4	26	-N			100	1.4			
HUAN	11	1325	1327	1341	S27	W44	.729	15940	8.3	16	-N	2	C	1327	65	.9		
RAMY	11	1327	1329	1351	S27	W40	.688	15940	8.6	24	-B	3	C		125			
ZURI	11	1339E	1339	1341D	S26	W43	.715	15940	8.3	20	-N	P	1339	100	1.5			
HOLL	11	1345E	1346U	1351	S26	W41	.694	15940	8.5	60	-N	3	C		59			
GRP73614	11	1335	1341+4	1402	N08	E50	.786	15937	15.3	27	2B						EU	
HUAN	11	1335	1341	1407	N08	E50	.786	15937	15.3	32	1N	1	C	1341			E	
ZURI	11	1339E	1341	1341D	N08	E49	.775	15937	15.2	20	3B	P	1341	1060	18.0		UDE	
HOLL	11	1344E	1345U	1356	N04	E53	.807	15937	15.5	120	1B	3	C	228				
615 HUAN	11	1357	1400	1404	N10	E75	.972	15948	17.2	7	-F	1	C	1400	25		D	Y5
616 HUAN	11	1500	1501	1504	N17	E18	.485	15933	13.0	4	-N	1	C	1501	20	.2	D	Y5
GRP73617	11	1516+1	1521+6	1537	N11	E37	.650	15936	14.4	21	-N			30	.4			
RAMY	11	1516	1521	1542D	N11	E37	.650	15936	14.4	260	-N	3	C		36			
HUAN	11	1517E		1534	N12	E37	.655	15936	14.4	170	-N	1	P	1518	20	.2	DC	
HOLL	11	1517	1527	1537	N11	E36	.638	15936	14.3	20	-N	3	C		60		F	
GRP73618	11	1609+2	1614+1	1630	S26	W42	.705	15940	8.5	21	-N			30	.4		D	
HOLL	11	1609	1614	1633	S26	W42	.705	15940	8.5	24	-N	3	C		51			
HUAN	11	1609		1630	S26	W45	.736	15940	8.3	21	-F	1	C	1620	20	.3	D	
RAMY	11	1611	1615	1624	S27	W42	.709	15940	8.5	13	-N	3	C		25			
619 RAMY	11	1632	1633	1637	N27	E70	.967	15942	16.9	5	-F	3	C		11			Y5
620 RAMY	11	1656	1702	1714	N29	E72	.976	15942	17.1	18	-F	* C		21			Y5	
620 HUAN	11	1659		1718D	N30	E70	.970	15942	17.0	190	-F	* C	1700	20		D	Y5	
GRP73621	11	1657+1	1701+1	1723	N19	E17	.501	15933	13.0	26	-B			120	1.4			
RAMY	11	1657	1701	1724	N18	E17	.488	15933	13.0	27	-B	3	C		134			
HUAN	11	1658		1718D	N19	E18	.509	15933	13.1	200	-N	1	P	1700	45	.5		
HOLL	11	1658	1702	1722	N20	E15	.497	15933	12.8	24	-B	3	C		117			
622 RAMY	11	1714	1717	1720	S27	W42	.709	15940	8.6	6	-N	3	C		17			Y5
623 RAMY	11	1718	1723	1726	N27	E70	.967	15942	17.0	8	-F	* C		12			Y5	
GRP73624	11	1727+1	1733+2	1739	S26	W43	.715	15940	8.5	12	-N			70	1.0			
RAMY	11	1727	1735	1739	S27	W43	.719	15940	8.5	12	-N	3	C		47			
HOLL	11	1728	1733	1739D	S26	W43	.715	15940	8.5	110	-N	3	C		87			
625 RAMY	11	1732	1733	1736	N19	E17	.501	15933	13.0	4	-N	3	C		35			Y5
626 RAMY	11	1745	1746	1753	S27	W43	.719	15940	8.5	8	-N	3	C		20			Y5
627 RAMY	11	1756	1756	1759	S27	W43	.719	15940	8.5	3	-N	3	C		19			Y5
GRP73628	11	1942	2008+3	2027	S27	W44	.729	15940	8.5	45	-N							
BIGB	11	1942	2011	2027	S28	W45	.743	15940	8.4	45	-N	3	P	2011	35	.5		
PALE	11	1956E	2008J	2020D	S27	W44	.729	15940	8.5	240	-N	2	C		25	.6	DE	
629 BIGB	11	1948	1950	2025	S14	E55	.816	15938	16.0	37	-N	3	P	1950	70	1.3	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	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq. Deg.	
					LAT.	HER. DIST.											
GRP73630	11	2135	2147+6	2225	N05	E71	.950	15948	17.2	50	1N				220		
BIGB	11	2135	2153	2236	N06	E72	.956	15948	17.3	61	1N	3	P	2153	240		
PALE	11	2141E	2147	2214	N05	E71	.950	15948	17.2	330	1N	3	C		201		FDE
631 PALE	11	2157E	2201U	22240	N19	E13	.470	15933	12.9	270	-B	3	C		61		DE Y5
632 CULG	12	0554	0603	0611	N22	E08	.484	15933	12.8	17	-N		C	0603	40	.5	F Y5
633 CULG	12	0630	0638	0652	N15	E52	.825	15943	16.2	22	-N		C	0638	50	.8	F Y5
634 HTPR	12	0645	0646	0650	S25	W55	.828	15940	8.2	5	-F		C	0646	20	.3	Y5
635 HTPR	12	0839	0840	0844	S25	W56	.837	15940	8.2	5	-N		C	0840	20	.3	Y5
636 HTPR	12	0853	0856	0857	N19	E10	.450	15933	13.1	4	-F		C	0856	20	.2	Y5
637 HTPR	12	0953	0954	0957	N05	E40	.661	15937	15.4	4	-F		C	0954	20	.3	Y5
	12	1056	1101	NO FLARE PATROL													
	12	1109	1115	NO FLARE PATROL													
	12	1127	1136	NO FLARE PATROL													
	12	1142	1150	NO FLARE PATROL													
	12	1221	1236	NO FLARE PATROL													
	12	1247	1252	NO FLARE PATROL													
	12	0127	0148	NO FLARE PATROL													
	12	0200	0317	NO FLARE PATROL													
	12	0357	0512	NO FLARE PATROL													
	12	0520	0535	NO FLARE PATROL													
GRP73638	12	1443+1	1446+1	1532	N06	E47	.748	15937	16.1	19	-N				20	.3	D
HTPR	12	1443	1447	1502	N09	E45	.734	15937	16.0	19	-F		C	1447	20	.3	
BIGB	12	1444	1446	1457	N06	E47	.748	15937	16.1	13	-N	2	C	1446	10	.2	
HUAN	12	1448E		1504	N05	E47	.745	15937	16.1	160	-N	1	P	1449	20	.3	D
GRP73639	12	1453	1456	1504	S23	E57	.843	15949	16.9	11	-F				10	.2	
RAMY	12	1453	1456	1458	S24	E56	.835	15949	16.8	5	-F	3	C		14		
BIGB	12	1457E	1457U	1510	S23	E59	.859	15949	17.0	130	-F	2	P	1457	10	.2	
GRP73640	12	1516+1	1517+0	1519	N05	E37	.623	15937	15.4	3	-N				30	.4	E
HTPR	12	1516	1517	1519	N05	E37	.623	15937	15.4	3	-F		C	1517	20	.2	
RAMY	12	1516	1517	1519	N07	E38	.643	15937	15.5	3	-N	3	C		39		
HUAN	12	1517	1517	1519	N04	E37	.619	15937	15.4	2	-N	2	C	1517	30	.3	E
GRP73641	12	1529+1	1532+0	1536	N19	E02	.421	15933	12.8	7	-F				20	.2	D
RAMY	12	1529	1532	1535	N19	E05	.428	15933	13.0	6	-N	3	C		21		
HUAN	12	1530	1532	1536	N19	W01	.421	15933	12.6	6	-F	1	C	1532	20	.2	D
642 BIGB	12	1534	1550	1667	N30	E60	.925	15942	17.1	33	-F	2	C	1550	20	.4	Y5
GRP73643	12	1547+1	1558+0	1626	N12	E53	.825	15948	16.6	39	1N				120	2.1	E
BIGB	12	1547	1558	1632	N13	E53	.828	15948	16.6	45	1N	2	C	1558	150	2.6	
HUAN	12	1548	1558	1608	N13	E53	.828	15948	16.6	20	-N	1	C	1558	85	1.5	E
HTPR	12	1548	1558	1629	N12	E54	.835	15948	16.7	41	-N		C	1558	100	1.7	E
RAMY	12	1548	1558	1622	N12	E53	.825	15948	16.6	34	1B	3	C		213		F
644 BIGB	12	1637	1638	1640	N25	E55	.880	15942	16.8	3	-F	3	P	1638	30	.5	E Y5
645 RAMY	12	1649	1700	1701	S24	E55	.827	15949	16.8	12	-F	3	C		22		Y5
646 BIGB	12	1717	1728	1747	N31	E57	.911	15942	17.0	30	-F	2	C	1728	20	.4	Y5
647 BIGB	12	1720	1723	1734	N07	E62	.892	15948	17.4	14	-F	2	C	1723	30	.7	Y5
GRP73648	12	1724+2	1727+2	1733	N01	E37	.610	15937	15.5	9	-N				40	.5	
HTPR	12	1724	1727	1734	N02	E38	.626	15937	15.6	10	-F		C	1727	30	.4	
BIGB	12	1725	1728	1733	N01	E38	.623	15937	15.6	8	-N	2	C	1728	60	.8	
HUAN	12	1726E		1731	S31	E37	.605	15937	15.5	50	-N	1	P	1727	35	.4	
HOLL	12	1726	1729	1732	N03	E32	.547	15937	15.1	6	-N	2	C		34		
649 BIGB	12	1727	1733	1754	N08	E18	.385	15936	14.1	27	-F	2	C	1733	30		Y5
650 BIGB	12	1804	1820	1831	S21	E57	.840	15949	17.0	27	-N	3	C	1820	20	.4	Y5
651 RAMY	12	1836	1836	1840	S24	E54	.818	15949	16.8	4	-F	3	C		17		Y5
652 BIGB	12	1908	1911	1926	S22	E57	.841	15949	17.1	18	-F	2	C	1911	20	.4	Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	GCMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq Deg.		
					LAT.	HER. DIST.												
GRP73672	13	1047+8	1050+1	1057	N05	E24	.443	15937	15.2	10	-N		90	1.0	EL			
HTPR	13	1047	1050	1057	N06	E27	.491	15937	15.5	10	-B	C	1050	70	.7	E		
KHAR	13	1050	1051	1053	N04	E24	.437	15937	15.3	3	-N	P	1053	135	1.5	L		
BERN	13	1050E	1050	1100	N04	E16	.321	15937	14.7	100	-B	P						
MONT	13	1053E	1053	1101	N05	E25	.457	15937	15.3	80	-N	C	1053	70				
CATA	13	1055	1055	1055D	N05	E24	.443	15937	15.3		-N	2	P	1055	84	.9		
673 KHAR	13	1155E		1212D	S28	E48	.772	15949	17.1	170	-F	P	1208	80	1.2	Y5		
674 HTPR	13	1220	1226	1238	N21	H11	.483	15933	12.7	18	-F	C	1226	50	.5	E	Y5	
GRP73675	13	1344+1	1345+J	1355	N18	H12	.447	15933	12.7	11	-F					E		
HTPR	13	1344	1345	1350	N19	H11	.455	15933	12.7	6	-F	C	1345	20	.2	E		
CATA	13	1345	1345	1400	N18	H13	.454	15933	12.6	15	-N	1	C	1345	56	.6		
GRP73676	13	1418+1	1426	1430	N32	E49	.866	15942	17.3	12	-F							
HUAN	13	1418E		1427	N33	E50	.876	15942	17.3	90	-F	1	P					
KANZ	13	1419	1426	1433	N32	E48	.859	15942	17.2	14	-F	2						
677 RAMY	13	1519E	1520U	1526	N21	H06	.461	15933	13.2	70	-N	3	C	24		Y5		
678 RAMY	13	1520	1523	1525	S24	E44	.719	15949	16.9	5	-N	3	C	25		Y5		
679 RAMY	13	1520	1524	1527D	N15	E52	.825	15952	17.5	70	-N	3	C	17		Y5		
GRP73680	13	1610+4	1613+3	1620	N04	E21	.393	15937	15.2	10	-F			35	.4	EH		
HTPR	13	1610		1615D	N05	E21	.400	15937	15.2	50	-F	C	1614	30	.3	E		
RAMY	13	1613	1613	1621	N04	E26	.466	15937	15.6	8	-N	3	C	26		H		
HUAN	13	1614	1616	1619	N05	E21	.400	15937	15.3	5	-F	1	C	1616	40	.4	E	
HOLL	13	1614E	1616J	1620	N04	E22	.408	15937	15.3	60	-N	3	C	86		F		
GRP73681	13	1627+2	1628+7	1650	N22	H14	.515	15933	12.6	23	-N			60	.7	E		
HOLL	13	1627	1631	1650	N21	H06	.461	15933	13.2	23	-B	3	C	88				
HTPR	13	1627	1635	1650	N22	H16	.528	15933	12.5	23	-N	C	1635	70	.7	E		
RAMY	13	1628	1628U	1656	N21	H14	.502	15933	12.6	28	-N	3	C	26				
HUAN	13	1628		1642D	N23	H15	.534	15933	12.6	140	-F	1	C					
HUAN	13	1629		1642D	N22	H14	.515	15933	12.6	130	-N	1	P	1631	50	.6		
682 HTPR	13	1636	1639	1700	N32	E47	.853	15942	17.2	24	-F	C	1639	20	.3	E	Y5	
GRP73683	13	1719+1	1719+6	1735	S25	H70	.936	15940	8.5	16	-N							
HOLL	13	1719	1719	1729	S25	H70	.936	15940	8.5	10	-N	3	C	11				
BIGB	13	1720	1725	1741	S26	H70	.937	15940	8.5	21	-N	2	C	1725	40			
684 HOLL	13	1721	1725	1727	N21	H06	.461	15933	13.3	6	-B	3	C	29		Y5		
685 BIGB	13	1723	1724	1725	S24	E40	.676	15949	16.7	2	-N	3	C	1724	10	.1	D	Y5
686 BIGB	13	1729	1800	1837	N30	E45	.829	15942	17.1	68	-N	2	C	1800	100	1.5	Y5	
687 BIGB	13	1742	1750	1758	S22	E38	.644	15949	16.6	16	-N	3	C	1750	10	.1	D	Y5
GRP73688	13	2020+9	2103	2115	N28	E44	.811	15942	17.1	55	-N					E		
BIGB	13	2020	2103	2115	N27	E43	.798	15942	17.1	55	-N	3	C	2103	70	1.0	E	
HUAN	13	2032		2052D	N30	E45	.829	15942	17.2	200	-F	1	P			E		
	13	2207	2209		NO FLARE PATROL													
	13	0144	0155		NO FLARE PATROL													
689 CULG	13	2250	2252	2256	S22	E34	.597	15949	16.5	6	-F	C	2252	10	.1	Y5		
690 CULG	13	2250	2256	2259	N02	E20	.365	15937	15.5	9	-F	C	2256	10	.1	Y5		
691 CULG	13	2310E	2310	2316	N12	E20	.449	15937	15.5	60	-F	C	2310	10	.1	Y5		
GRP73692	13	2311+9	2355+4	0023	N30	E41	.800	15942	17.0	72	1B			210	3.4	FU		
HOLL	13	2311	2355	0026	N30	E41	.800	15942	17.0	75	1B	3	C	260		U F		
PEKG	13	2320	2355	0024	N31	E41	.806	15942	17.0	64	1B		C	2400	210		E	
CULG	13	2351	2355	0033	N29	E43	.809	15942	17.2	42	1N		C	2355	160	2.8		
BIGB	13	2356	2359	0012	N30	E42	.807	15942	17.1	16	-N	2	C	2359	110	1.5		
PALE	13	2358E	2358J	0020	N27	E39	.766	15942	16.9	220	1B	3	C	377		F		
GRP73693	13	2339+6	2343+0	0011	N06	E18	.366	15937	15.3	32	1N			250	2.7	FJKLJZ		
			2350+0															
CULG	13	2339	2343	0016	N08	E20	.411	15937	15.5	37	1B		C	2343	240	2.7	LKUFJ	
HOLL	13	2340	2343	0017	N06	E18	.366	15937	15.3	37	1B	3	C	265		Z F		
BIGB	13	2341	2350	0004	N06	E18	.366	15937	15.3	23	1N	2	C	2350	250			
PEKG	13	2345	2350	0005	N06	E19	.380	15937	15.4	20	-N	P	2350	147		E		

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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 MIN of Disk	CORR AREA Sq Deg.	
					LAT.	MER. DIST.											
GRP73713	14	1306+1	1306+4	1321	N20	H21	.544	15933	13.0	15	-F						
KANZ	14	1306	1306	1321	N19	H24	.562	15933	12.7	15	-F	2					
RAMY	14	1307	1310	1320	N21	H18	.530	15933	13.2	13	-N	3	C		57		
714 KANZ	14	1325	1329	1341	N05	E10	.253	15937	15.3	16	-F	3					Y5
715 RAMY	14	1326	1327	1328	N29	E34	.739	15942	17.1	2	-N	3	C		22		Y5
716 RAMY	14	1328	1330	1338	N06	E37	.626	15948	17.3	10	-N	3	C		45		Y5
GRP73717	14	1331	1341	14110	N29	E33	.732	15942	17.0	40	-N						E
			1406														
RAMY	14	1331	1341	1345	N30	E35	.755	15942	17.2	14	-N	3	C		42		
MCMA	14	1341E		1445D	N30	E33	.740	15942	17.0	64D	-N		C	1341	100	1.5	E
RAMY	14	1406	1406		N28	E33	.724	15942	17.1	5	-N	3	C		18		
GRP73718	14	1358+9	1417+3	1436	N16	E39	.698	15952	17.5	38	-N				30	.4	H
MCMA	14	1358	1420	1440	N18	E41	.730	15952	17.7	42	-N		C	1420	35	.5	EH
HOLL	14	1416	1417	1432	N14	E38	.676	15952	17.4	16	-N	3	C		18		F
719 HOLL	14	1436	1438	1438D	N25	E31	.682	15942	16.9	20	-B	3	V		54		Y5
GRP73720	14	1440+3	1442+3	1453	N04	E08	.218	15937	15.2	13	1B				310	3.2	FHL
MCMA	14	1440	1444	1452	N04	E07	.207	15937	15.1	12	-B		C	1444	150	1.5	L
RAMY	14	1441	1442	1454	N04	E09	.229	15937	15.3	13	1B	3	C		363		F H
HOLL	14	1441	1445	1452	N01	E14	.267	15937	15.7	11	1B	3	C		305		
KANZ	14	1443	1443	1455	N04	E08	.218	15937	15.2	12	1B	3					H
721 RAMY	14	1507	1509	1515	N28	E33	.724	15942	17.1	8	-B	3	C		28		Y5
GRP73722	14	1553+5	1602+8	1619	N06	E09	.255	15937	15.3	26	-N				35	.4	L
MCMA	14	1553	1602	1622	N07	E08	.259	15937	15.3	29	-F		C	1602	25	.3	EL
KANZ	14	1555	1606	1623	N06	E08	.245	15937	15.3	28	-N	3					L
RAMY	14	1558	1610	1616	N04	E14	.293	15937	15.7	18	-N	3	C		37		
HUAN	14	1608E		1614	N06	E10	.265	15937	15.4	14D	-N	1	P	1608	25	.3	D
GRP73723	14	1758+2	1802+0	1807	N07	E08	.259	15937	15.3	9	-F				30	.3	E
RAMY	14	1758	1802	1805	N07	E08	.259	15937	15.3	7	-N	3	C		31		
MCMA	14	1759	1802	1812	N08	E06	.258	15937	15.2	13	-F		C	1802	30	.3	E
HUAN	14	1800	1802	1807	N07	E08	.259	15937	15.4	7	-F	1	C	1802	35	.4	E
GRP73724	14	1758+4	1802+3	1809	S24	E29	.550	15949	16.9	11	-N				30	.4	E
RAMY	14	1758	1802	1809	S24	E29	.550	15949	16.9	11	-N	*	C		24		
BIGB	14	1801	1805	1816	S24	E30	.561	15949	17.0	15	-F	*	C	1805	30	.4	E
MCMA	14	1801	1803	1810	S23	E30	.555	15949	17.0	9	-F	*	C	1803	30	.4	E
HOLL	14	1802	1804	1808	S26	E26	.531	15949	16.7	6	-N	*	C		37		
HUAN	14	1802	1804	1807	S24	E28	.538	15949	16.9	5	-N	*	C	1804	55	.6	E
GRP73725	14	1903+3	1908+1	1924	S24	E27	.526	15949	16.8	21	-N				50	.6	E
BIGB	14	1903	1909	1923	S25	E28	.545	15949	16.9	20	1N	3	C	1909	180	2.1	
MCMA	14	1905	1909	1927	S23	E30	.555	15949	17.0	22	-N		C	1910	50	.6	E
HOLL	14	1906	1908	1925	S24	E27	.526	15949	16.8	19	-B	3	C		59		
RAMY	14	1908E	1908U	1923	S24	E26	.515	15949	16.7	15D	-N	3	C		42		
GRP73726	14	1910+2	1912+1	1920	N07	E08	.259	15937	15.4	10	-N				50	.5	
HOLL	14	1910	1912	1920	N04	E13	.279	15937	15.8	10	-B	3	C		78		F
MCMA	14	1911	1912	1920	N07	E06	.243	15937	15.2	9	-N		C	1912	30	.3	E
RAMY	14	1912	1913	1920	N07	E08	.259	15937	15.4	8	-N	3	C		54		
GRP73727	14	1950+0	1951+0	1957	N05	E09	.241	15937	15.5	7	-B				50	.5	D
MCMA	14	1950	1951	1957	N06	E06	.227	15937	15.3	7	-B		C	1951	30	.3	D
HOLL	14	1950	1951	1957	N04	E12	.266	15937	15.7	7	-B	3	C		66		
728 BIGB	14	2028	2031	2040	N01	E14	.267	15937	15.9	12	-F	3	C	2031	20	.2	Y5
729 BIGB	14	2110	2116	2130	S24	E27	.526	15949	16.9	20	-F	3	C	2116	30	.3	Y5
GRP73730	14	2125+4	2126+5	2136	N30	E32	.732	15942	17.3	11	-F						D
CULG	14	2125E	2126	2137	N30	E33	.740	15942	17.4	12D	-F		P	2126	40	.6	T
BIGB	14	2129	2131	2135	N30	E32	.732	15942	17.3	6	-F	3	C	2131	10	.1	D
731 CULG	14	2135	2138	2150	N06	E06	.227	15937	15.3	15	-N		C	2138	20	.2	Y5
GRP73732	14	2148+5	2155+2	2208	N30	E30	.717	15942	17.2	20	-F						E
BIGB	14	2148	2157	2217	N31	E31	.733	15942	17.2	29	-F	3	C	2157	50	.6	E
CULG	14	2153	2155	2159	N30	E30	.717	15942	17.2	6	-F		C	2155	10	.1	T

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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 Mill. of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
733 CULG	14	2205	2206	2209	N05	E11	.264	15937	15.7	4	-F	C	2206	20	.2	Y5		
GRP73734	14	2256+4	2303+0	2313	S23	E26	.507	15949	16.9	17	-N			30	.4			
CULG	14	2256	2303	2317	S23	E27	.519	15949	17.0	21	-N		2303	40	.5			
HOLL	14	2300	2303	2309	S24	E25	.503	15949	16.8	9	-N	3	C	24				
GRP73735	14	2302+3	2307+1	2318	N05	E07	.221	15937	15.5	16	-B			35	.4			
CULG	14	2302	2308	2317	N06	E05	.220	15937	15.3	15	-B	*	C	2308	30	.3	T	
HOLL	14	2305	2307	2319	N04	E09	.229	15937	15.6	14	-B	*	C	37		DE		
GRP73736	14	2302+5	2307+1	2313	N30	E31	.725	15942	17.3	11	-N			35	.5			
CULG	14	2302	2308	2314	N31	E32	.740	15942	17.4	12	-F		2308	50	.8	T		
HOLL	14	2307	2307	2312	N29	E30	.709	15942	17.2	5	-B	3	C	20				
737 CULG	14	2329E	2331	2339	N05	E04	.198	15937	15.3	100	-N	P	2331	30	.3	T	Y5	
GRP73738	14	2340	2343	0014	N05	E20	.385	15937	16.5	34	18			270	2.9	FZ		
HOLL	14	2340	2343	0017	N06	E18	.366	15937	16.3	37	18	3	C	265		Z		
PALE	14	2348E	2348U	0011	N04	E22	.407	15937	16.6	230	-B	3	C	284		F		
739 CULG	15	0025E	0025E	0045	N18	E20	.512	15943	16.5	200	-F	P	0025	30	.3	Y5		
740 CULG	15	0113	0123	0134	S24	W37	.643	15930	12.3	21	-F	C	0123	20	.3	Y5		
741 CULG	15	0150	0155	0218	N05	E03	.192	15937	15.3	28	-N	C	0155	50	.5	T	Y5	
742 CULG	15	0204	0208	0214	S26	E25	.521	15949	17.0	10	-F	C	0208	20	.2	Y5		
GRP73743	15	0220>9	0232+1	0240	N30	E27	.695	15942	17.1	20	-N			80	1.1	D		
CULG	15	0220	0232	0244	N29	E28	.693	15942	17.2	24	-N	*	C	0232	70	1.0	T	
PEKG	15	0230	0233	0236	N31	E27	.705	15942	17.1	6	-B	*	C	0233	101		O	
744 CULG	15	0221	0229	0301	N19	E12	.459	15943	16.0	40	-F	C	0229	20	.2	Y5		
	15	0252	0258	NO FLARE PATROL														
745 CULG	15	0308	0311	0317	N05	E04	.197	15937	15.4	9	-F	C	0311	10	.1	T	Y5	
	15	0333	0335	NO FLARE PATROL														
	15	0339	0343	NO FLARE PATROL														
	15	0344	0404	NO FLARE PATROL														
	15	0433	0441	NO FLARE PATROL														
	15	0444	0446	NO FLARE PATROL														
	15	0451	0514	NO FLARE PATROL														
	15	0518	0600	NO FLARE PATROL														
GRP73746	15	0730+9	0739	0753	N10	E17	.391	15948	16.6	23	18						E	
ISTA	15	0730		0750	N10	E18	.403	15948	16.7	20	18						EF	
BUCA	15	0739	0739	0753	N10	E17	.391	15948	16.6	14	-N	C	0739	161	1.8	C		
PEKG	15	0740E	0740	0754	N12	E17	.414	15948	16.6	140	18	C	0740	189		E		
747 KHAR	15	0935E		09500	N30	E27	.695	15942	17.4	150	-F	P	0949	100	1.5	DT	Y5	
748 KHAR	15	0955E	0956	10000	N04	W02	.171	15937	15.3	50	-F	V	0956			D	Y5	
749 KHAR	15	1035E		10100	S18	E32	.553	15950	17.8	50	-F	V	1005			D	Y5	
GRP73750	15	1026+4	1036+2	1053	N05	W03	.192	15937	15.2	27	1N							
KANZ	15	1026	1036	1050	N05	W03	.192	15937	15.2	24	1N	3						
BERN	15	1030	1037	1056	N04	E00	.167	15937	15.4	26	1N		P					
KHAR	15	1034E	1038	10450	N05	W03	.192	15937	15.2	110	1B		P	1035	210	2.2		
751 RAMY	15	1317	1318	1326	N04	W04	.181	15937	15.3	9	-B	3	C		41		F	Y5
GRP73752	15	1521+0	1522+1	1536	N28	E21	.633	15942	17.2	15	-B			50	.6	F		
HOLL	15	1521	1523	1536	N27	E17	.595	15942	16.9	15	-B	3	C		50		F	
ZURI	15	1521	1523	15250	N29	E21	.644	15942	17.2	40	1N	P	1523	200	2.7			
RAMY	15	1521	1522	15320	N28	E22	.640	15942	17.3	110	-B	3	C		45		F	
753 HOLL	15	1736	1737	1742	N27	E16	.589	15942	16.9	6	-B	3	C		28		Y5	
GRP73754	15	1815+1	1817+0	1822	N05	E21	.399	15948	17.3	7	-F			20	.2	FG		
BIGB	15	1815	1817	1822	N05	E21	.399	15948	17.3	7	-F	2	C	1817	10	.1	G	
RAMY	15	1816	1817	1821	N05	E22	.413	15948	17.4	5	-F	3	C		26			
HOLL	15	1816	1817	1824	N05	E21	.399	15948	17.3	8	-N	3	C		28		F	

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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.											
GRP73755	15	1924+2	1925+2	1941	N11	E10	.332	15948	16.6	17	-N		50	.5			
BIGB	15	1924	1927	1941	N10	E10	.318	15948	16.6	17	-F	2 C	1927	60	.6		
HOLL	15	1925	1925	1939	N12	E10	.346	15948	16.6	14	-B	3 C		24			
RAMY	15	1926	1926	1942	N11	E10	.332	15948	16.6	15	-N	3 C		54			
756	BIGB	15	2004	2023	2035	N23	W41	.757	15933	12.8	31	-F	3 C	2023	20	.3	D Y5
GRP73757	15	2007+5	2009+5	2025	N04	W06	.197	15937	15.4	18	18			410	4.2	HU	
HOLL	15	2007	2009	2025	N03	W05	.173	15937	15.5	18	18	3 C		452		UDE	
RAMY	15	2008	2009	2024	N05	W08	.230	15937	15.2	16	28	3 C		530		H	
PALE	15	2010	2013	2021D	N05	W05	.204	15937	15.5	11D	18	3 C		371		F	
BIGB	15	2012	2014	2025	N04	W08	.217	15937	15.2	13	1N	3 C	2014	200	2.1		
758	BIGB	15	2023	2025	2029	N06	E20	.392	15948	17.3	6	-F	3 C	2025	10	.1	G Y5
GRP73759	15	2036+1	2040+2	2048	N35	W33	.779	15953	13.4	12	-F			20	.3		
RAMY	15	2036	2042	2045	N36	W32	.781	15953	13.5	9	-F	3 C		23			
BIGB	15	2037	2040	2050	N34	W34	.777	15953	13.3	13	-F	3 C	2040	20	.2		
760	RAMY	15	2118	2122	2129	N34	W35	.784	15953	13.3	11	-F	3 C		23		Y5
761	BIGB	15	2120	2130	2210	N08	W16	.358	15936	14.7	50	-F	* C	2130	30	.3	D Y5
GRP73762	15	2127	2137	2213D	N18	W08	.421	0	15.3	46	-F						I
			2156+2														
BIGB	15	2127	2137	2159	N18	W03	.404	0	15.7	32	-F	3 C	2137	30	.3	D	
CULG	15	2136E	2156	2304	N18	W10	.432	0	15.2	88D	1F	* C	2156	280	3.1	I	
BIGB	15	2140	2158	2213	N19	W09	.441	0	15.2	33	-F	* C	2158	60	.6		
763	CULG	15	2136E	2137	2241	S15	E25	.443	15950	17.8	65D	-F	C	2137	40	.5	Y5
764	CULG	15	2201	2218	2253	N08	E22	.436	15948	17.6	52	-N	C	2218	50	.6	F Y5
GRP73765	15	2237+5	2244+3	2322	N10	E08	.301	15948	16.5	45	1N			240	2.5	LUY	
CULG	15	2237	2246	0010	N10	E07	.294	15948	16.5	93	1N	C	2246	250	2.8	UYL	
BIGB	15	2241	2247	2322	N10	E07	.294	15948	16.5	41	1N	3 C	2247	230	2.4		
HOLL	15	2242	2246	2322	N11	E10	.332	15948	16.7	40	18	3 C		291		F	
PALE	15	2242E	2244J	2248D	N07	E09	.267	15948	16.6	60	1N	3 C		211		FDE	
766	CULG	15	2245	2246	2255	N29	E18	.625	15942	17.3	10	-F	C	2246	60	.8	Y5
767	CULG	15	2327	2327	2335	N04	W10	.240	15937	15.2	8	-F	C	2327	20	.2	Y5
768	CULG	16	0036	0037	0049	N04	W07	.205	15937	15.5	13	-F	C	0037	20	.2	T Y5
769	CULG	16	0114	0130	0150	N16	E22	.510	15952	17.7	36	-N	C	0130	60	.7	Y5
770	CULG	16	0150	0153	0212	N05	W10	.251	15937	15.3	22	-N	C	0153	50	.5	T Y5
771	CULG	16	0200	0201	0212	N35	W36	.797	15953	13.4	12	-N	C	0201	20	.4	T Y5
772	CULG	16	0223	0224	0234	N04	W08	.216	15937	15.5	11	-B	C	0224	20	.2	T Y5
773	CULG	16	0309	0319	0335	N35	W36	.797	15953	13.4	26	-N	C	0319	20	.4	T Y5
774	CULG	16	0323	0328	0332	S24	W80	.997	0	9.5	9	-F	C	0328	10		Y5
775	CULG	16	0330	0335	0343	N04	W08	.216	15937	15.5	13	-N	C	0335	20	.2	T Y5
776	CULG	16	0348	0350	0359D	S15	E19	.357	15950	17.6	110	-F	P	0350	20	.2	Y5
777	CULG	16	0357	0358	0359D	N04	W08	.216	15937	15.6	20	-N	P	0358	50	.5	T Y5
778	CULG	16	0446E	0446	0455D	N04	W09	.227	15937	15.5	15D	-N	P	0446	30	.3	T Y5
GRP73779	16	0531E	0534	0615	N18	E15	.467	15952	17.4	44	1F						HI
			0600														
CULG	16	0531E	0534	0615	N17	E16	.462	15952	17.4	44D	1F	C	0534	200	2.3	HI	
CULG	16	0548	0600	0613	N19	E14	.472	15952	17.3	25	-B	C	0600	60	.7	I	
780	CULG	16	0535	0540	0521	N30	E16	.626	15942	17.4	46	-F	C	0540	40	.5	Y5
781	CULG	16	0618	0620	0633	N04	W09	.227	15937	15.6	12	-F	C	0618	20	.2	T Y5
782	CULG	16	0657	0658	0712	N04	W09	.227	15937	15.6	15	-N	C	0658	30	.3	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 Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
GRP73800	17	1439+1	1440+2	1453	N06	W14	.310	15948	16.6	14	-N			35	.4	K		
MCMA	17	1439	1440	1517	N06	W14	.310	15948	16.6	38	-N	C	1440	50	.5	EK		
HOLL	17	1439	1441	1453	N09	W13	.333	15948	16.6	14	-N	4 C		23		F		
HUAN	17	1440	1442	1446	N06	W14	.310	15948	16.6	6	-F	1 C						
GRP73801	17	1440+3	1443+3	1508	N28	W07	.561	15942	17.1	28	-F			40	.5	E		
MCMA	17	1440	1443	1505	N28	W05	.557	15942	17.2	25	-F	C	1443	40	.5	E		
HOLL	17	1443	1446	1510	N28	W09	.568	15942	16.9	27	-N	4 C		41				
GRP73802	17	1458+1	1459+3	1507	N09	W15	.355	15948	16.5	9	-N			30	.3	E		
HUAN	17	1458	1502	1507	N08	W15	.344	15948	16.5	9	-F	* C	1502	30	.3	EE		
HOLL	17	1459	1459	1505	N09	W13	.333	15948	16.6	6	-N	* C		21				
RAMY	17	1459	1502	1514	N09	W15	.355	15948	16.5	15	-N	* C		31				
803	MCMA	17	1520E	1529	15370	N28	W08	.564	15942	17.0	170	-F	C	1529	60	.8	E Y5	
804	MCMA	17	1529E		15370	N06	W15	.323	15948	16.5	80	-F	C	1535	40	.4	E Y5	
GRP73805	17	1637+0	1638+0	1641	N05	W34	.581	15937	15.1	4	-N			45	.6			
MCMA	17	1637	1638	1640	N06	W34	.585	15937	15.1	3	-N	C	1638	40	.5	D		
HOLL	17	1637	1638	1641	N05	W34	.581	15937	15.1	4	-N	4 C		53		F		
806	HOLL	17	1722	1722	1725	N09	W14	.344	15948	16.7	3	-N	3 C		39		F Y5	
807	HOLL	17	1817	1818	1819	N09	W15	.355	15948	16.6	2	-B	3 C		31		F Y5	
808	BIGB	17	1835	1837	1852	N26	W10	.544	15942	17.0	17	-F	2 C	1837	60	.6	Y5	
809	BIGB	17	1918	1919	1929	N08	W17	.369	15948	16.5	11	-F	2 C	1919	50	.5	Y5	
GRP73810	17	1944+1	1945+0	1950	N07	W15	.334	15948	16.7	6	-F			20	.2	D		
HUAN	17	1944	1945	1947	N08	W18	.382	15948	16.5	3	-F	1 C	1945	20	.2	D		
RAMY	17	1945	1945	1953D	N06	W13	.298	15948	16.8	80	-N	3 C		20				
GRP73811	17	2026>9	2103	2151	N28	W12	.580	15942	17.0	85	1N			180	2.2	E		
MCMA	17	2026E	2110+1	20370	N28	W10	.571	15942	17.1	110	-N	C	2037	60	1.0	E		
BIGB	17	2030	2111	2148	N28	W10	.571	15942	17.1	78	-F	2 C	2111	170	1.8			
HOLL	17	2036	2110J	0000	N28	W12	.580	15942	17.0	204	1B	3 C		213		DE		
HOLL	17	2036	2103	2106D	N28	W12	.580	15942	17.0	300	-B	3 C		183		DE		
PALE	17	2051E	2109J	2109D	N29	W14	.602	15942	16.8	180	-B	2 C		147		DE		
VORO	17	2126E		2151	N28	W14	.589	15942	16.8	250	-N	P	2133	45	.5	E		
812	CULG	17	2358	2414	0041D	N14	W70	.952	15934	12.7	430	-F	C	2414	40		Y5	
813	CULG	18	0000	0012	0054	N07	W08	.254	15948	17.4	54	-F	P	0012	60	.6	F Y5	
814	CULG	18	0032	0035	0053	N25	W69	.959	15933	12.8	21	-F	* C	0035	10		Y5	
GRP73815	18	0032+3	0035+1	0054	S20	W20	.412	15949	16.5	22	-N			100	1.1	J		
CULG	18	0032	0035	0103	S19	W20	.403	15949	16.5	31	-N	C	0035	100	1.1			
VORO	18	0034	0036	0044	S20	W20	.412	15949	16.5	10	1N	C	0036	188	2.1	EJ		
PALE	18	0035E	0036U	0036D	S24	W17	.419	15949	16.7	1D	-B	2 C		112		DE		
PEKG	18	0035	0036	0038D	S20	W21	.424	15949	16.4	30	-F	P	0036	21		D		
816	CULG	18	0126	0319J	0538D	N20	W32	.648	0	15.7	252D	?F	P	0319	150	2.0	U Y5	
			IMP.1 NO t MITK															
817	CULG	18	0128	0236U	0408	S25	W21	.471	15949	16.5	160	?F	C	0236	180	2.0	K Y5	
			IMP.1 NO t MITK															
818	VORO	18	0141	0143	0147	S15	W15	.302	15950	16.9	6	-N	C	0143	90	.9	DH Y5	
819	ABST	18	0626E	0628	0629D	S23	W14	.378	15949	17.2	30	-F	P	0628	87	.9	D Y5	
		18	1100	1212	NO FLARE PATROL													
		18	0857	0908	NO FLARE PATROL													
GRP73820	18	1542+4	1546	1626	N07	W57	.850	15936	14.4	44	-F						DG	
MCMA	18	1542	1546	1605	N08	W58	.861	15936	14.3	23	-F	C	1546	20	.4	D		
KANZ	18	1543	1557	1629	N07	W57	.850	15936	14.4	46	-F	1						
BIGB	18	1546	1559	1626	N07	W57	.850	15936	14.4	40	-F	2 C	1559	30	.6	G		

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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 Disk	CORR AREA Sq. Deg.	
					LAT.	HER. DIST.											
GRP73821	18	1845+1	1846+1	1902	N10	H48	.769	15937	15.2	17	-N						D
MCHA	18	1845	1846	1908	N10	H47	.758	15937	15.3	23	-N	C	1846	60	1.0		D
HOLL	18	1846	1847	1902	N10	H48	.769	15937	15.2	16	-B	3 C	129	60			DE
HUAN	18	1846		1858	N12	H48	.775	15937	15.2	12	-N	1 P	1847	30	.4		
GRP73822	18	2036	2103	0000	N28	H13	.583	15942	17.9	204	-B			160	2.0		
HOLL	18	2036	2103U	0000	N28	H12	.578	15942	18.0	204	-B	3 C		163			DE
PALE	18	2051E	2109J	2109D	N29	H14	.601	15942	17.8	180	-B	2 C		147			DE
823 BIGB	18	2157	2206	2218	S08	E90	1.000	15959	25.7	21	-F	2 C	2206	10			Y5
GRP73824	18	2218	2221+0	2231	N03	H47	.740	15937	15.4	13	-N						
HOLL	18	2218	2221	2230	N03	H46	.728	15937	15.5	12	-N	3 C		29			
PALE	18	2219E	2221U	2231D	N04	H48	.753	15937	15.3	120	-N	3 C					
825 HOLL	19	0023	0026	0042	N03	H47	.739	15937	15.5	19	-B	3 C		42			Y5
826 ABST	19	0529E	0536	0546D	S07	E86	.997	15937	25.7	170	1F	P	0546	70			D Y5
827 ABST	19	0529E	0533	0548D	N05	H46	.732	15943	15.8	190	-F	P	0533	61	.9		DJ Y5
828 ABST	19	0529E	0536	0607D	N18	H43	.748	15959	16.0	380	?F	* P	0536	87	1.3		DJ Y5
		IMP.1	NO	MANI	PEKG												
829 ABST	19	0629E	0642	0649D	S23	H35	.617	15949	16.6	200	-F	P	0642	87	1.1		D Y5
830 CATA	19	0730	0730	0740	N06	E80	.987	0	25.3	10	-N	2 C	0730	45			Y5
831 ABST	19	0822E	0831	0832D	S07	E86	.997	15959	25.8	100	?F	P	0831	79			D Y5
		IMP.1	NO	CATA													
832 MANI	19	0823E	0823U	0835	N05	H47	.744	15937	15.8	120	-N	3 C		20			Y5
GRP73833	19	0850+5	0900	0940	N04	H48	.753	15937	15.8	50	1N			140	2.1		Z
TELV	19	0850	0858	0858D	N05	H48	.755	15937	15.8	80	-N	2		120	1.8		Z
CATA	19	0855	0900	0940	N04	H48	.753	15937	15.8	45	1N	1 C	0900	168	2.6		Z
	19	1035	1238														NO FLARE PATROL
	19	0107	0108														NO FLARE PATROL
	19	0113	0119														NO FLARE PATROL
	19	0137	0144														NO FLARE PATROL
	19	0216	0238														NO FLARE PATROL
	19	0427	0431														NO FLARE PATROL
834 MCHA	19	1240		1320D	N07	H50	.781	15937	15.8	400	-F	C	1300	50	.8		E Y5
GRP73835	19	1702+1	1704+3	1724	N04	H53	.806	15937	15.7	22	-F			30	.5		D
MCHA	19	1702	1704	1730	N05	H52	.798	15937	15.8	28	-F	C	1704	30	.5		D
BIGB	19	1703	1707	1718	N03	H54	.815	15937	15.7	15	-F	2 C	1707	30	.5		
836 CULG	19	2234E	2234E	2241	S16	H44	.700	15950	16.6	70	-F	C	2234	20	.3		Y5
837 CULG	19	2300	2308	2320	N11	E74	.968	15962	25.5	20	-F	C	2308	20			Y5
838 CULG	19	2329	2331	2333	S11	H57	.835	15938	15.7	4	-F	C	2331	10	.2		Y5
839 CULG	19	2336	2350	0012	N29	H33	.728	15942	17.5	36	-F	C	2350	50	.7		Y5
GRP73840	19	2352+5	0009+5	0055	N08	H45	.729	15948	16.6	63	1N			160	2.3		FU
CULG	19	2352	2411	0136	N08	H45	.729	15948	16.6	104	1N	C	2411	190	2.8		UF
PALE	19	2356	2409	0021	N09	H45	.732	15948	16.6	25	-B	3 C		100			F
HOLL	19	2356	2409	0101D	N09	H45	.732	15948	16.6	650	1B	3 C		220			F
BIGB	19	2357	2414	0048	N06	H46	.735	15948	16.5	51	-N	2 C	2414	130	1.9		
841 VORO	20	0149	0151	0159	N16	H56	.860	15943	15.9	10	-N	C	0151	81	1.5		DH Y5
842 CULG	20	0300	0312	0354	N18	H71	.960	15936	14.8	54	-F	C	0312	80			Y5
843 CULG	20	0435	0438	0446	N29	H44	.813	15942	16.9	11	-N	C	0438	10	.2		Y5
844 CULG	20	0446	0449	0453	N35	H38	.807	15942	17.3	7	-F	C	0449	20	.4		Y5
845 CULG	20	0455	0502	0512	N29	H43	.805	15942	17.0	17	-N	C	0502	20	.3		Y5
846 CULG	20	0524	0527	0532	S27	E64	.903	15958	25.0	8	-F	C	0527	30	.7		G Y5
847 CULG	20	0526	0527	0551	N29	H44	.813	15942	16.9	25	-F	C	0527	30	.4		K Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	GEMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
848 CULG	20	0541	0549	0559	N02	E38	.624	15955	23.1	18	-F	C	0549	30	.4	Y5	
849 CULG	20	0600	0604	0617	S10	E70	.936	15959	25.5	17	-F	C	0603	20		T Y5	
850 CULG	20	0601	0609	0627	N28	H45	.815	15942	16.9	26	-N	C	0609	70	1.2	KF Y5	
851 CULG	20	0610	0613	0624	N06	H60	.874	15937	15.8	14	-F	C	0613	30	.4	Y5	
852 CULG	20	0618	0619	0630	N17	H56	.863	15943	16.1	12	-F	C	0619	10	.2	Y5	
853 CULG	20	0632	0635	0644	N29	H44	.813	15942	17.0	12	-F	C	0635	10	.2	Y5	
GRP73854	20	1142	1152+2	1226	N28	H44	.807	15942	17.2	44	?N					F	
ZURI	20	1142	1154	1230D	N28	H45	.815	15942	17.1	480	?N	P	1154	860	15.0	F	
KANZ	20	1144E	1152	1222	N28	H44	.807	15942	17.2	380	-F	2				F	
855 HOLL	20	1430	1434	1438	N06	H44	.711	15948	17.3	8	-N	3	C	20		Y5	
856 HOLL	20	1505	1515	1530	N06	H45	.723	15948	17.3	25	-N	3	C	25		Y5	
857 MCMA	20	1704	1716	1800D	N28	H50	.853	15942	17.0	56D	-F	C	1716	50	1.0	E Y5	
GRP73858	20	1832	1850+D	1943	N28	H49	.845	15942	17.1	71	-N			60	1.1	E	
BIGB	20	1832	1850	1914	N29	H46	.828	15942	17.3	42	-N	2	C	1850	70	1.0	
MCMA	20	1845E	1850	1950D	N28	H50	.853	15942	17.0	65D	-F	C	1850	60	1.2	E	
BIGB	20	1903	1934	1935	N26	H51	.852	15942	17.0	32	1N	2	C	1934	130	2.1	
GRP73859	20	2210+2	2212+1	2217	N27	H52	.863	15942	17.0	7	-N			30	.6	DHJ	
CULG	20	2210	2212	2215D	N28	H53	.874	15942	16.9	50	-N	C	2212	20	.3		
VORO	20	2212	2213	2217	N27	H52	.863	15942	17.0	5	-B	C	2213	36	.7	DHJ	
860 VORO	20	2244	2245	2252	N27	H52	.863	15942	17.0	8	-N	C	2245	27	.5	DHJ Y5	
861 CULG	20	2249	2306	2340	N06	H50	.779	15948	17.2	51	-F	C	2306	70	1.2	Y5	
GRP73862	20	2354+8	0006+3	0029	N29	H50	.857	15942	17.2	35	-B			50	.9	J	
VORO	21	0002	0006	0029	N29	H50	.856	15942	17.3	27	-N	C	0006	54	1.0	EJ	
CULG	20	2354	2408	0028	N30	H50	.861	15942	17.2	34	-B	C	2408	30	.4		
HOLL	20	2356	2409	0010D	N29	H45	.820	15942	17.6	140	1B	3	V	220		F	
863 CULG	21	0229	0235	0244	N28	H55	.887	15942	17.0	15	-N	C	0235	40	.9	Y5	
GRP73864	21	0252+9	0311	0338	N31	H49	.858	15942	17.4	46	1N			160	3.0	DHJ	
CULG	21	0252	0311	0338	N32	H48	.856	15942	17.5	46	1B	C	0311	120	2.4	J	
VORO	21	0310	0325D	0325D	N30	H50	.860	15942	17.4	150	1N	P	0313	197	3.9	DHJ	
865 CULG	21	0456	0504	0514	N30	H57	.905	15942	16.9	18	-F	C	0504	40	.9	Y5	
866 CULG	21	0512	0515	0522	N17	H69	.949	15943	16.0	10	-N	C	0515	30		Y5	
867 MONT	21	1120	1123	1133	N22	E60	.904	15963	26.0	13	-N	C	1123	110		Y5	
	21	1220	1246	NO FLARE PATROL													
	21	0607	0640	NO FLARE PATROL													
	21	0830	0850	NO FLARE PATROL													
868 RAMY	21	1429	1429	1437	S15	H63	.888	15950	16.9	8	-N	3	C	16		Y5	
GRP73869	21	1929+3	1933+0	1937	S14	H69	.930	15950	16.6	8	-N			20		0	
BIGB	21	1929	1933	1939	S13	H72	.947	15950	16.4	10	-F	2	C	1933	10		0
HOLL	21	1932	1933	1934	S15	H66	.910	15950	16.9	2	-B	3	C	25			
870 CULG	21	2121E	2121E	2132	N30	H63	.938	15942	17.2	110	-F	P	2121	30		Y5	
871 CULG	21	2208	2212	2221	S13	H69	.930	15950	16.7	13	-F	C	2212	20		Y5	
872 CULG	21	2304	2321	2347	N18	E56	.865	15963	26.2	43	-F	C	2321	60	1.2	Y5	
873 CULG	21	2335	2400	0017	S28	E90	.999	15972	28.7	42	-F	C	2400	20		Y5	
874 CULG	21	2352	2357	0003	N33	H65	.953	15942	17.1	11	-F	C	2357	60		Y5	
875 CULG	22	0046	0053	0103	N20	E52	.838	15963	25.9	17	-F	C	0053	50	1.0	T Y5	
876 CULG	22	0113	0120	0133	S18	E35	.596	15958	24.7	20	-F	C	0120	10	.1	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 FLARE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mm. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
877 CULG	22	0152	0158	0209	N30	W68	.960	15942	17.0	17	-F	C	0158	40		T	Y5
878 CULG	22	0207	0212	0223	N20	W81	.993	15943	16.0	16	-N	C	0212	30			Y5
879 CULG	22	0251	0305	0320	N30	W69	.964	15942	16.9	29	-F	C	0305	60		T	Y5
880 CULG	22	0356	0403	0426	S07	W79	.980	0	16.2	30	-F	C	0403	40			Y5
881 CATA	22	0700	0705	0715	N18	E90	1.000	15967	29.0	15	-F	2 C	0705	28			Y5
882 CATA	22	0905	0905	0910	N19	W90	1.000	15943	15.6	5	1N	2 C	0905	56			Y5
	22	1056	1405	NO FLARE PATROL													
	22	1428	1434	NO FLARE PATROL													
	22	0432	0437	NO FLARE PATROL													
	22	0921	0938	NO FLARE PATROL													
	22	0955	1037	NO FLARE PATROL													
883 HOLL	22	1713	1713	1717	N27	W77	.987	15942	16.9	4	-N	3 C				F	Y5
884 HOLL	22	1738	1740	1746	N27	W77	.987	15942	17.0	8	-B	3 C				F	Y5
885 HOLL	22	1952	1956	2016	S15	W78	.975	15950	17.0	24	-B	3 C		25			Y5
886 CULG	23	0050E IMP.1 NO	0050E MANI	0435D MITK	S20	E10	.308	15956	23.8	2250	?F	P	0050	330	3.5	SUI	Y5
887 CULG	23	0157E IMP.1 NO	0243U MITK	0435D	S35	E07	.511	0	23.6	1580	?F	P	0243	350	4.3	SUI	Y5
888 CATA	23	0815 IMP.1 NO	0815 ABST	0820	S23	E80	.981	15968	29.3	5	?N	2 C	0815	56			Y5
	23	1040	1046	NO FLARE PATROL													
	23	1057	1240	NO FLARE PATROL													
	23	1250	1345	NO FLARE PATROL													
	23	0206	0209	NO FLARE PATROL													
	23	0734	0735	NO FLARE PATROL													
	23	0900	0901	NO FLARE PATROL													
	23	0920	0924	NO FLARE PATROL													
	23	0926	0933	NO FLARE PATROL													
889 HOLL	23	1356	1400	1418	S23	E76	.967	15968	29.3	22	-B	3 C		93		F	Y5
GRP73890	23	1446+5	1503	1511D	S22	E21	.447	15958	25.2	25	-N						EG
MCMA	23	1446	1515	1620	S23	E20	.445	15958	25.1	94	-N	C	1515	80	.9		E
BIG8	23	1451	1503	1511	S22	E22	.458	15958	25.3	20	-N	2 C	1503	140	1.6		G
891 BIG8	23	1656	1706	1733	S27	E90	.999	15968	30.5	37	-N	2 P	1706	10			Y5
892 BIG8	23	1834	1839	1851	N20	E52	.837	15967	27.7	17	-F	2 C	1839	20	.3	G	Y5
GRP73893	23	2045	2046	2059	N19	E61	.903	15967	28.4	14	-N						E
BIG8	23	2045	2046	2053	N21	E60	.901	15967	28.4	8	-N	2 C	2046	30	.6		E
BIG8	23	2049	2053	2059	N17	E63	.913	15967	28.6	10	-N	* C	2053	10	.2		D
894 HOLL	23	2049	2050	2103	N26	E30	.675	15963	26.1	14	-N	3 C		28			Y5
895 CULG	23	2317	2323	2350	S24	E75	.963	15968	29.6	33	-F	P	2323	40			Y5
896 CULG	23	2341	2347	0006	S29	W47	.772	15951	20.5	25	-F	P	2347	40	.6		Y5
897 CULG	24	0004	0019	0048	N21	E27	.602	15963	26.0	44	-N	C	0019	70	.9		Y5
898 CULG	24	0046	0054U	0129	N15	W77	.981	15966	18.3	43	-F	C	0054	20			Y5
899 CULG	24	0121 IMP.1 NO	0131 MITK	0202 PEKG	S23	E69	.932	15968	29.2	41	?N	C	0131	160		F	Y5
	24	0309	0348	NO FLARE PATROL													
900 PEKG	24	0450	0454	0457	N21	E55	.864	15967	28.3	7	-N	P	0454	42		D	Y5
901 PEKG	24	0530	0535	0541	N15	E63	.910	15967	29.0	11	-N	P	0535	34		D	Y5
902 KAND	24	0721	0735	0830	N11	E65	.918	15967	29.2	69	-F	P					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											
903 KAND	24	0823		0840	N20	E55	.861	15967	28.5	17	-F	P					Y5
GRP73904	24	0900E		0918D	S27	E71	.945	15968	29.7	18	-F						
KHAR	24	0900E		0918D	S28	E76	.968	15968	30.1	18D	-F	P	0903	80			
KHAR	24	0900E		0910D	S27	E67	.923	15968	29.4	10D	-F	P	0903	70			D
905 KHAR	24	0900E		0910D	N08	E63	.900	0	29.1	10D	-F	* P	0903	80			D Y5
906 KHAR	24	0900E	0918	0940D	N18	E53	.839	15967	28.4	40D	-F	* P	0908	100	2.0		D Y5
GRP73907	24	0942E	0942	0959D	S27	E73	.955	15968	29.9	17	-F						
KHAR	24	0942E	0942	0959D	S28	E76	.968	15968	30.1	17D	-F	P	0950	80			D
KHAR	24	0947E		0958D	S26	E70	.939	15968	29.7	11D	-F	P	0950	60			D
908 KHAR	24	1055E		1107D	N21	E23	.564	15963	26.2	12D	-N	P	1055				D Y5
	24	1113	1117	NO FLARE PATROL													
909 KHAR	24	1117E		1124D	N21	E23	.564	15963	26.2	7D	-F	V	1117				D Y5
	24	1124	1222	NO FLARE PATROL													
910 KAND	24	1222	1230	1245	N21	E23	.564	15963	26.2	23	-N	P		104	1.2		F Y5
	24	1312	1330	NO FLARE PATROL													
GRP73911	24	1356	1411	1427	N18	E55	.856	15967	28.7	31	-B						F
HOLL	24	1356	1411	1427	N18	E55	.856	15967	28.7	31	-B	3	C		37		F
HOLL	24	1356	1407	1407	N18	E55	.856	15967	28.7	11	-N	3	C		57		F
912 HOLL	24	1521	1526	1530	N18	E54	.847	15967	28.7	9	-N	3	C		27		F Y5
913 HOLL	24	1607	1607	1624	N18	E54	.847	15967	28.7	17	-B	3	C		18		F Y5
914 BIGB	24	1633	1641	1647	N21	E90	1.000	15971	1.4	14	-N	2	P	1641	10		Y5
915 HOLL	24	1648	1651	1655	N21	E18	.520	15963	26.1	7	-N	3	C		59		Y5
GRP73916	24	1727+4	1733+4	1751	N19	E51	.825	15967	28.6	24	-N				35	.6	
BIGB	24	1727	1737	1752	N20	E49	.811	15967	28.4	25	-N	3	C	1737	40	.6	
HOLL	24	1731	1733	1750	N18	E53	.839	15967	28.7	19	-B	3	C		30		
917 BIGB	24	1801	1815	1903	S28	E65	.911	15968	29.6	62	-N	3	C	1815	40		E Y5
918 VORO	24	2150	2152	2203	S20	H59	.859	0	20.5	13	-F	C	2152	63	1.4		DGL Y5
919 CULG	24	2343	2351	0000	N24	H53	.858	0	21.0	17	-F	C	2351	30	.6		GF Y5
920 CULG	24	2344	2349	2359	N13	E53	.825	15967	29.0	15	-F	C	2349	80	1.4		Y5
921 CULG	25	0003	0009	0037	S21	E61	.877	15968	29.6	34	-F	C	0009	20	.4		K Y5
922 CULG	25	0352E	0352E	0419	S27	E66	.917	15968	30.1	27D	-N	P	0352	30			Y5
923 CULG	25	0409E	0409	0428	N20	E45	.774	15967	28.5	19D	-F	P	0409	30	.5		Y5
924 CULG	25	0439	0450	0451D	S26	E60	.875	15968	29.7	12D	-F	P	0450	20	.4		Y5
GRP73925	25	0504+1	0505+6	0524	N15	E48	.783	15967	28.8	20	1N				150	2.4	EJ
ABST	25	0504E	0505	0525	N16	E50	.805	15967	29.0	21D	1N	P	0505	131	2.2		EJ
ABST	25	0505	0511	0523	N13	E50	.796	15967	29.0	18	-F	C	0511	87	1.4		DJ
ABST	25	0510	0511	0523	N14	E43	.727	15967	28.4	13	-N	* C	0511	87	1.3		DJ
926 ABST	25	0509	0512	0525	S26	E62	.889	15968	29.9	16	-F	C	0512	87			DJ Y5
927 ABST	25	0512	0513	0523	N21	E90	1.000	15971	2.0	11	1N	C	0513	87			ADV Y5
GRP73928	25	0650	0750	0900D	N23	E88	1.000	15971	.9	130	1N						AH
KAND	25	0650	0750	0900	N23	E85	.999	15971	1.7	130	1N	P					
ISTA	25	0655E		0710D	N25	E90	1.001	15971	2.0	15D	-N						A
KHAR	25	0847E	0910	1000D	N20	E88	1.000	15971	2.0	73D	1N	P	0905				CH
GRP73929	25	0651+2	0656+4	0730	N19	E41	.729	15967	28.4	39	-N						I
KIEV	25	0651E	0656	0705D	N19	E40	.719	15967	28.3	14D	1F	C	0656	250	3.6		DI
KAND	25	0653	0700	0730	N20	E42	.745	15967	28.4	37	-N	P		94	1.5		F
930 KAND	25	0728	0728	0745	S22	E58	.854	15968	29.7	17	-F	P					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 FLARE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
GRP73931	25	0847E		0927D	N14	E46	.759	15967	28.8	40	-F							
KHAR	25	0847E		0927D	N12	E47	.762	15967	28.9	40D	-F	P	0910	80	1.3		O	
KHAR	25	0853E		0927D	N16	E46	.766	15967	28.8	37D	-F	P	0910	60	1.0		O	
GRP73932	25	0905E	0912	0926	S26	E56	.843	15968	29.6	21	-F			90	1.7		O	
KHAR	25	0905E		0927D	S29	E62	.893	15968	30.0	22D	-F	P	0910	70			D	
LOGA	25	0910E	0912	0925	S20	E54	.815	15968	29.4	15D	-N	V	0912	108	1.9			
KHAR	25	0913E		0923D	S26	E56	.843	15968	29.6	10D	-F	V	0917				D	
933 KHAR	25	0938E		1000D	N16	E46	.766	15963	28.9	22D	-F	V					O	Y5
934 KHAR	25	0938E		1000D	N22	E07	.464	15967	25.9	22D	-F	* P					O	Y5
GRP73935	25	1150+0	1152+3	1210D	N18	E44	.755	15967	28.8	20	-N			70	1.1			
KAND	25	1150	1155	1210D	N19	E47	.788	15967	29.0	20D	-N	P		52	.9			
RAMY	25	1150	1152	1202D	N17	E42	.730	15967	28.6	12D	-B	2 C		104				
	25	1210	1211	NO FLARE PATROL														
	25	1357	1428	NO FLARE PATROL														
	25	0111	0117	NO FLARE PATROL														
	25	0130	0200	NO FLARE PATROL														
936 HOLL	25	1529	1530	1537	S25	E60	.874	15968	30.1	8	-N	3 C		19				Y5
937 HOLL	25	1603	1608	1621	N27	E87	1.000	15971	2.2	18	-F	3 C						Y5
GRP73938	25	1650+9	1702+2	1710	S26	E57	.852	15968	30.0	20	-F			50	1.0		F	
BIGB	25	1650	1702	1707	S27	E55	.837	15968	29.8	17	-F	3 C	1702	50	.9			
HOLL	25	1700	1704	1713	S25	E59	.866	15968	30.1	13	-N	3 C		48			F	
GRP73939	25	1702+6	1711+1	1721	N18	E41	.724	15967	28.8	19	-N			40	.6		F	
BIGB	25	1702	1712	1723	N17	E43	.740	15967	28.9	21	-F	2 C	1712	50	.7			
HOLL	25	1708	1712	1717	N18	E41	.724	15967	28.8	9	-B	3 C		35			F	
RAMY	25	1710E	1711J	1721D	N18	E41	.724	15967	28.8	11D	-B	2 C		31			F	
940 HOLL	25	1733	1734	1739	N18	E41	.724	15967	28.8	6	-B	3 C		19			DE	Y5
GRP73941	25	1802+0	1811+1	1823	N17	E41	.719	15967	28.8	21	-N							
HOLL	25	1802	1811	1823	N18	E40	.714	15967	28.8	21	-B	3 C		140			F0E	
BIGB	25	1802	1816	1816D	N19	E41	.729	15967	28.8	14D	-N	1 P	1816	90	1.2			
BIGB	25	1810	1812	1812D	N13	E43	.722	15967	29.0	2D	-N	2 P	1812	40	.6			
942 HOLL	25	1950	1952	1954	N18	E40	.714	15967	28.8	4	-N	3 C		35			Y5	
943 HOLL	25	1951	1951	1954	N27	E87	1.000	15971	2.4	3	-F	3 C					F	Y5
944 HOLL	25	1955	1956	2000	S24	E53	.813	15968	29.8	5	-N	3 C		24			F	Y5
945 HOLL	25	2003	2005	2020	S25	E58	.858	15968	30.2	17	-N	3 C		20			Y5	
946 HOLL	25	2004	2005	2006	N18	E39	.703	15967	28.8	2	-B	3 C		40			Y5	
947 HOLL	25	2027	2027	2034	N18	E39	.703	15967	28.8	7	-B	3 C		26			DE	Y5
GRP73948	25	2109	2137 2153+5	2226	N19	E35	.667	15967	28.5	77	1N			210	2.8		FIJKLS	
HOLL	25	2109	2153	2226	N18	E38	.693	15967	28.7	77	-B	3 C		151			F	
HOLL	25	2109	2137	2226	N18	E38	.693	15967	28.7	77	-N	3 C		60			F	
CULG	25	2131E	2158	0209	N20	E35	.674	15967	28.5	278D	1N	P	2158	270	3.8		FIS	
VORO	25	2142	2145	2215	N19	E34	.657	15967	28.5	33	-F	C	2145	116	1.5		EJKL	
GRP73949	25	2131+3	2138+2	2156	S27	E53	.820	15968	29.9	25	2N			310	5.6		KUY	
CULG	25	2131E	2138	2245	S28	E54	.831	15968	29.9	74D	1N	P	2138	220	4.0		KUY	
HOLL	25	2134	2140	2156	S27	E53	.820	15968	29.9	22	2B	3 C		430			U F	
VORO	25	2138E		2147	S26	E51	.800	15968	29.7	9D	1N	P	2141	287	4.8		E	
GRP73950	25	2231	2245 2259	2345	N20	E36	.684	15967	28.6	14	-N							Y5
950 BIGB	25	2231	2235	2247	N20	E37	.695	15967	28.7	16	-N	2 C	2235	20	.3		Y5	
950 BIGB	25	2243	2245	2255	N20	E32	.643	15967	28.3	12	-N	2 C	2245	40	.5		Y5	
950 BIGB	25	2254	2259	2345	N19	E38	.699	15967	28.8	51	-N	1 C	2259	60	.8		Y5	
951 CULG	25	2349E	2349	0315	N16	E31	.602	15967	28.3	26D	-N	P	2349	20	.3		Y5	
952 CULG	26	0024	0033	0040	N25	E74	.977	15971	1.6	16	-F	C	0033	10			Y5	
GRP73953	26	0041+0	0042+1	0053	N18	E36	.671	15967	28.7	12	-N			70	.9		J	
VORO	26	0041	0043	0058	N18	E37	.681	15967	28.8	17	-N	* C	0043	99	1.3		DJ	
PEKG	26	0041	0042	0048	N19	E36	.677	15967	28.7	7	-N	* P	0045	50			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.												
GRP73954	26	0110+2	0114+5	0138	N20	E37	.694	15967	28.8	28	-N				60	.8	K	
CULG	26	0110	0117	0138	N18	E38	.692	15967	28.9	28	-F	*	C	0117	50	.7		
VORO	26	0111	0119	01240	N20	E35	.673	15967	28.7	130	-B	*	P	0119	63	.8	EK	
PEKG	26	0112	0114	01270	N20	E37	.694	15967	28.8	150	-N	*	P	0114	63		D	
GRP73955	26	0129	0154	0221	S23	E53	.812	15968	30.0	52	-N						EL	
CULG	26	0129	0154	0235	S22	E53	.810	15968	30.0	66	-N		C	0154	100	1.7	L	
VORO	26	0201E		0206	S25	E53	.816	15968	30.1	50	1F		P	0202	134	2.2	CE	
956 CULG	26	0209	0215	0223	S25	E31	.588	15972	28.4	14	-F		C	0215	20	.2	Y5	
	26	0323	0334	NO FLARE PATROL														
	26	0346	0347	NO FLARE PATROL														
957 CULG	26	0350	0403	0426	N18	E28	.584	15967	28.3	36	-N		C	0403	60	.8	Y5	
958 CULG	26	0403	04070	04070	S30	E49	.795	15968	29.8	40	-F		P	0407	20	.4	Y5	
	26	0411	0419	NO FLARE PATROL														
	26	0432	0437	NO FLARE PATROL														
	26	0454	0500	NO FLARE PATROL														
959 ABST	26	0520	0525	0535	N24	E70	.960	15971	1.5	15	1F		C	0525	87		DJ	
960 ABST	26	0535	0538	0545	N19	E26	.572	15967	28.2	10	-N		C	0538	131	1.6	DJ	
961 ABST	26	0552	0554	0604	N19	E36	.677	15967	28.9	12	-N		C	0554	87	1.2	DJ	
962 HTPR	26	0559	0601	0618	S08	H15	.263	15959	25.1	19	-N		C	0601	40	.4	Y5	
963 ABST	26	0632	0633	0641	S26	E29	.574	15972	28.4	9	-N		C	0633	87	1.1	DV	
964 ISTA	26	0715		0730	N21	E26	.590	15967	28.3	15	-N						E	
965 KHAR	26	0900E		09220	S27	E47	.766	15968	29.9	220	-F		P	0903	80	1.3	DL	
966 KHAR	26	0900E		09300	S33	E57	.866	15968	30.7	300	-F		P	0903	70	1.2	D	
GRP73967	26	0916+0	0918+1	0942	N18	E26	.562	15967	28.3	26	-N				90	1.1	E	
			0925															
HTPR	26	0916	0918	0935	N19	E26	.572	15967	28.3	19	-B		C	0918	60	.7		
TELV	26	0916	0919	0945	N18	E26	.562	15967	28.3	29	-N	3			125	1.4	E	
KHAR	26	0920E	0925	09420	N18	E25	.552	15967	28.3	220	-N		P	0928	150	2.0	E	
GRP73968	26	0948+0	1003+1	1108	S27	E46	.757	15968	29.9	80	1N				150	2.3	HKLU	
			1012															
KHAR	26	0948E	1012	10520	S27	E47	.766	15968	29.9	640	-N		P	1002	100	1.6	DLT	
TELV	26	0951	1004	1055	S26	E47	.763	15968	29.9	64	-N	3			123	1.8	HUK	
KHAR	26	0952	1003	10180	S29	E45	.755	15968	29.8	260	1N		P	1002	220	3.5	L	
HTPR	26	0956		10180	S26	E45	.743	15968	29.8	220	-N		C	1010	90	1.3	E	
TACH	26	0957E		10130	S27	E47	.766	15968	29.9	160	1N		C	0957	177	2.8	F	
CATA	26	1020E	1030	10300	S27	E46	.757	15968	29.9	100	-N	2	P	1030	56	.8		
HTPR	26	1026E		10510	S26	E45	.743	15968	29.8	250	-F		C	1036	50	.7	BC	
KHAR	26	1035E		11080	S32	E45	.768	15968	29.8	330	-F		P	1048	70	1.1		
KHAR	26	1056E		11100	S33	E48	.797	15968	30.1	140	-F		V	1057			DL	
GRP73969	26	1159+2	1202+1	1212	N24	E64	.931	15971	1.3	13	-F				35			
KANZ	26	1159E	1203	1213	N26	E64	.934	15971	1.3	140	-F	2						
RAHY	26	1159	1203	1212	N23	E64	.929	15971	1.3	13	-N	3	C		40			
HTPR	26	1201	1202	1209	N24	E65	.936	15971	1.4	8	-F		C	1202	30	.6		
970 RAHY	26	1419	1419	1422	S31	E52	.823	15968	30.5	3	-F	3	C		21		Y5	
GRP73971	26	1523+1	1523	1610	S27	E43	.727	15968	29.9	47	-N				130	1.9	F	
			1540+1															
HTPR	26	1523	1541	1608	S27	E43	.727	15968	29.9	45	-N		C	1541	100	1.3	E	
BIGB	26	1523	1540	15400	S29	E44	.745	15968	29.9	170	1N	2	P	1540	150	2.1		
HOLL	26	1523	1540	1611	S25	E45	.740	15968	30.0	48	-B	3	C		140		F	
HOLL	26	1523	1523	1611	S25	E45	.740	15968	30.0	48	-B	3	C		28		F	
RAHY	26	1524	1540	16070	S28	E42	.722	15968	29.8	430	-B	3	C		152		F	
972 HOLL	26	1548	1550	1557	N18	E28	.584	15967	28.8	9	-B	3	C		49		Y5	
GRP73973	26	1659+3	1702+1	1716	N18	E27	.573	15967	28.7	17	-B				40	.5		
HOLL	26	1659	1702	1716	N18	E27	.573	15967	28.7	17	-B	3	C		36			
RAHY	26	1702	1703	1716	N19	E28	.593	15967	28.8	14	-B	3	C		36			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	H α MATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
974 BIGB	26	1710	1711	1718	N09	E90	1.000	15974	3.5	8	-F	2	C	1711	20		Y5	
GRP73975	26	1810+0	1813+1	1840	N22	E61	.909	15971	.3	30	18				90	2.1		
HOLL	26	1810	1813	1840	N23	E67	.945	15971	1.8	30	-B	3	C		94		FDE	
BIGB	26	1810	1813	1853	N21	E60	.900	15971	1.3	43	1N	*	P	1813	100	2.1		
RAMY	26	1811E	1814	1828	N22	E61	.909	15971	1.3	17D	-B	*	C		84			
GRP73976	26	2001+1	2013+0	2048D	N12	E31	.574	15967	29.2	47	18				280	3.4	FU	
BIGB	26	2001	2013	2224	N11	E31	.568	15967	29.2	139	18	2	P	2013	310	3.7		
HOLL	26	2002	2013	2248	N13	E31	.581	15967	29.2	46	18	3	C		259		U F	
977 HOLL	26	2016	2017	2021	N23	E65	.935	15971	1.7	5	-N	3	C		15		Y5	
978 HOLL	26	2024	2024	2028	N22	H09	.471	15963	26.2	4	-N	3	C		25		Y5	
979 BIGB	26	2029	2036	2144	N16	E46	.766	0	30.3	75	-F	2	P	2036	30	.4	G Y5	
980 HOLL	26	2048	2051	2053	N22	H09	.471	15963	26.2	5	-N	3	C		28		Y5	
981 CULG	27	0003	0006	0014	N19	H35	.666	0	24.4	11	-N		C	0006	10	.1	G Y5	
982 CULG	27	0027	0032	0052	N15	E19	.457	15967	28.4	25	-N		C	0032	60	.7	Y5	
983 CULG	27	0117	0122	0132	S29	H78	.976	15951	21.2	15	-N		C	0122	20		Y5	
984 MANI	27	0145E	0145U	0150D	S31	E43	.746	15968	30.3	5D	-B	3	C		100		F Y5	
985 CULG	27	0318	0341	0358D	S28	E37	.672	15968	29.9	40D	1N		P	0341	200	2.8	Y5	
GRP73986	27	0458+1	0458+2	0503	N16	E18	.457	15967	28.6	5	-F				90	1.0	DJ	
ABST	27	0458E	0458	0504	N16	E21	.489	15967	28.8	6D	-F		P	0458	87	1.0	BDJ	
ABST	27	0459	0500	0502	N17	E16	.450	15967	28.4	3	-F		C	0500	87	1.0	DJ	
GRP73987	27	0513	0518	0530	N22	H15	.506	15963	26.1	17	1N						DJ	
ABST	27	0513	0518	0530	N23	H14	.512	15963	26.2	17	1N		C	0518	201	2.4	DJ	
MANI	27	0522E	0522J	0525D	N21	H17	.508	15963	25.9	30	-N	3	C		40			
MANI	27	0523E	0523	0525D	N22	H14	.499	15963	26.2	2D	-N	3	C		40			
GRP73988	27	0529+9	0538+5	0555	N16	E15	.429	15967	28.4	26	-N							
ABST	27	0529	0538	0554	N16	E15	.429	15967	28.4	25	1N		C	0538	183	2.1	F	
HTPR	27	0540	0543	0555	N17	E13	.424	15967	28.2	15	-F		C	0543	40	.4	E	
CULG	27	0547E	0549J	0550D	N15	E15	.416	15967	28.4	3D	-N		P	0549	20	.2		
GRP73989	27	0537+8	0549+2	0637D	N12	E80	.988	15974	2.2	6D	1N						J	
ABST	27	0537	0551	0637D	N14	E84	.997	15974	3.5	60D	1N		P	0551	236		FJ	
HTPR	27	0545	0611D	0611D	N12	E77	.979	15974	3.0	26D	-F		C	0555	40		E	
CULG	27	0547E	0549U	0550D	N09	E80	.987	15974	3.2	3D	18		P	0549	80			
GRP73990	27	0552+2	0555	0612	S27	E36	.656	15968	29.9	20	-F						EJ	
ABST	27	0552	0555	0612	S28	E37	.672	15968	30.0	20	1F		C	0555	244	3.4	EJ	
HTPR	27	0554	0611D	0611D	S26	E35	.639	15968	29.9	17D	-F		C	0556	40	.5	E	
991 ABST	27	0601	0609	0637D	N20	E17	.496	15967	28.5	36D	?N		P	0609	288	3.4	EJK Y5	
IMP.1 NO. HTPR																		
GRP73992	27	0643E	0724	0731	N18	E17	.471	15967	28.6	48	18				270	3.1	EHJ	
HTPR	27	0643E	0727	0727	N20	E15	.480	15967	28.4	44D	18		C	0658	220	2.3	E	
MANI	27	0705E	0705J	0713D	N18	E16	.462	15967	28.5	50	-B	2	C		160		F	
ABST	27	0713E	0713	0731D	N20	E16	.488	15967	28.5	18D	18		P	0713	349	4.1	EJ	
ABST	27	0715E	0724	0731D	N16	E22	.499	15967	29.0	16D	-N		P	0724	105	1.2	EJ	
TELV	27	0718E	0718	0735	N18	E19	.490	15967	28.7	17D	1N	2			196	2.1	H	
993 ABST	27	0808	0810	0819	N16	E15	.429	15967	28.5	11	-F		C	0810	114	1.3	EJ Y5	
994 ABST	27	0823E	0823	0835	N13	E90	1.000	0	4.1	12D	1N		P	0823	87		AD Y5	
995 ABST	27	0921	0924	0936D	N17	E20	.489	15967	28.9	15D	-N		P	0924	87	1.0	DJ Y5	
996 ABST	27	0957	0958	1008	N17	E20	.489	15967	28.9	11	-N		C	0958	87	1.0	DJV Y5	
	27	1016	1015	NO FLARE PATROL														
997 CATA	27	1020	1025	1035	N15	E13	.398	15967	28.4	15	-N	2	C	1025	84	.9	Y5	
	27	1055	1125	NO FLARE PATROL														
	27	1210	1311	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	MEMATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
	27	0132	0140															
	27	0150	0202															
	27	0204	0223															
	27	0232	0244															
	27	0250	0314															
	27	0342	0354															
	27	0358	0420															
	27	0424	0437															
	27	0446	0453															
	27	0637	0643															
	27	0756	0804															
	27	0821	0822															
998	RAMY	27	1345	1349	1400	N23	E50	.029	15971	1.3	15	-N	3	C		32		Y5
GRP73999		27	1455+1	1457+1	1512	N15	E11	.381	15967	28.4	17	-B				160	1.7	FU
	BIGB	27	1455	1458	1512	N15	E12	.389	15967	28.5	17	-B	2	C	1458	160	1.7	
	RAMY	27	1456	1457	1510	N16	E11	.395	15967	28.4	14	-B	3	C		136		F
	HOLL	27	1456	1458	1515	N15	E11	.381	15967	28.4	19	-B	3	C		175		U F
	BIGB	27	1457	1458	1500	N15	E19	.457	15967	29.0	3	-N	2	C	1458	10	.1	
0	BIGB	27	1525	1541	1551	S36	H90	.999	0	20.9	26	-N	2	C	1541	30		Y5
GRP74001		27	1628	1640	1725	N19	E10	.431	15967	28.4	57	-B						
	BIGB	27	1628	1648	1725	N20	E10	.446	15967	28.4	57	-B	2	P	1648	150	1.5	
	HOLL	27	1634E	1640	1725	N19	E10	.431	15967	28.4	51D	-B	3	C		186		FDE
2	HOLL	27	1641	1645	1648	N11	H56	.847	15955	23.5	7	-N	3	C		23		F Y5
3	BIGB	27	1719	1721	1741	S36	H90	.999	0	21.0	22	-N	3	C	1721	20		Y5
GRP74004		27	1722+5	1729+2	1752	N22	E49	.817	15971	.4	30	-N				40	.7	
	BIGB	27	1722	1729	1753	N22	E50	.826	15971	1.5	31	-F	3	C	1729	50	.9	
	HOLL	27	1727	1731	1750	N23	E48	.813	15971	1.3	23	-B	3	C		34		
GRP74005		27	1729+9	1749+1	1801	N15	E12	.389	15967	28.6	32	-N				130	1.4	
	HOLL	27	1729	1750	1758	N16	E14	.420	15967	28.8	29	-B	3	C		151		FDE
	BIGB	27	1739	1749	1803	N14	E10	.359	15967	28.5	24	-N	2	C	1749	120	1.3	E
GRP74006		27	1743+1	1751+1	1810	S26	E29	.574	15968	29.9	27	-N				140	1.7	F
	BIGB	27	1743	1752	1816	S27	E30	.593	15968	30.0	33	-N	2	C	1752	160	1.9	
	HOLL	27	1744	1751	1804	S26	E28	.564	15968	29.8	20	-B	3	C		120		F
7	BIGB	27	1854	1901	1902	S14	E11	.248	15972	28.6	8	-N	2	C	1901	20	.2	E Y5
8	HOLL	27	1902	1904	1907	N16	E14	.420	15967	28.8	5	-B	3	C		21		Y5
GRP74009		27	1909+0	1910+0	1912	N14	E14	.394	15967	28.8	3	-N				45	.5	
	BIGB	27	1909	1910	1911	N13	E16	.402	15967	29.0	2	-N	2	C	1910	60	.6	
	HOLL	27	1909	1910	1913	N16	E13	.411	15967	28.8	4	-B	3	C		29		
GRP74010		27	1931+1	1937+1	2003	N15	E13	.398	15967	28.8	32	18				330	3.6	
	BIGB	27	1931	1937	2002	N14	E10	.359	15967	28.6	31	18	3	C	1937	240	2.5	
	HOLL	27	1932	1938	2003	N16	E13	.411	15967	28.8	31	18	3	C		387		
	BIGB	27	1932	1937	1950	N16	E16	.438	15967	29.0	18	-N	3	C	1937	30	.3	
11	BIGB	27	2040	2049	2105	N20	E08	.435	15967	28.5	25	-N	2	C	2049	20	.2	Y5
12	BIGB	27	2051	2057	2112	N22	E49	.817	15971	1.5	21	-N	1	C	2057	50	.8	Y5
GRP74013		27	2129+2	2136+1	2202	N17	E08	.390	15967	28.5	33	-B				60	.7	EK
	CULG	27	2129	2136	2207	N17	E08	.390	15967	28.5	38	-N		C	2136	60	.7	
	VORO	27	2131	2137	2202	N17	E08	.390	15967	28.5	31	-B		C	2137	116	1.2	EK
	HOLL	27	2131	2136	2155	N16	E12	.403	15967	28.8	24	-B	3	C		45		DE
GRP74014		27	2213+2	2221+3	2231	N24	E44	.783	15971	.2	18	-N				50	.8	H
	BIGB	27	2213	2224	2234	N22	E45	.782	15971	1.3	21	-N	1	C	2224	60	.9	
	VORO	27	2215	2221	2227	N26	E43	.784	15971	1.2	12	-N		C	2221	54	.8	H
15	VORO	27	2234	2237	2254	N17	E08	.390	15967	28.5	20	-N		C	2237	36	.4	D Y5
GRP74016		28	0140+2	0155+0	0209D	N17	E07	.384	15967	28.6	29	18				200	2.2	FH
	HANI	28	0140	0155	0245	N17	E07	.384	15967	28.6	65	19	3	C		230		F
	VORO	28	0142	0200D	0200D	N16	E05	.359	15967	28.4	18D	-N		C	0149	152	1.6	EH
	HANI	28	0151E	0155U	0209	N18	E12	.429	15967	29.0	18D	-B	3	V		180		F

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	GEOGRAPHIC REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
17 TACH	28	0416	0420	0430	N17	E05	.375	15967	28.6	14	-N	C	0420	88	.9	CE	Y5	
GRP74018	28	0505+2	0507+3	0528	N17	E06	.379	15967	28.7	23	1N			220	2.4	EJ		
ABST	28	0505E	0507	0530	N16	E04	.356	15967	28.5	250	1N	P	0507	218	2.3	EJ		
ABST	28	0507	0510	0526	N16	E09	.380	15967	28.9	19	-N	C	0510	87	.9	DJ		
ABST	28	0508	0510	0520	N19	E06	.410	15967	28.7	12	-N	C	0510	131	1.4	DJ		
19 ABST	28	0546	0548	0553D	N16	E05	.359	15967	28.6	70	7N	P	0548	218	2.3	EJ	Y5	
		IMP.1 NO : MANI																
20 CULG	28	0601	0608	0618	S15	H34	.574	0	25.7	17	-F	C	0608	20	.2		Y5	
21 CULG	28	0612	0616	0622	S29	E19	.506	15968	29.7	10	-F	C	0616	20	.2		Y5	
GRP74022	28	0736+2	0738+0	0744	N14	E05	.328	15967	28.7	8	-N			110	1.2	DJ		
ABST	28	0736	0738	0740	N16	E05	.359	15967	28.7	4	-N	C	0738	131	1.4	DJ		
ABST	28	0736E	0738	0745	N14	E07	.338	15967	28.8	90	-N	P	0738	87	.9	DJ		
KAND	28	0738		0744	N14	E04	.324	15967	28.6	6	-N	P						
23 KAND	28	0755		0805	S29	E19	.506	15968	29.8	10	-N	P		135	1.6		Y5	
GRP74024	28	0838E	0840	0901	N18	E01	.383	15967	28.4	23	-F					EJ		
ABST	28	0838E	0840	0901	N16	E02	.351	15967	28.5	230	-F	P	0840	175	1.9	EJ		
ABST	28	0838E	0839	0846	N21	E01	.430	15967	28.4	80	-F	P	0839	87	1.0	DJ		
25 ISTA	28	0850		0915	S41	H30	.711	15979	26.1	25	-N					K	Y5	
26 ISTA	28	0912		0917	N20	E08	.434	15967	29.0	5	-N					D	Y5	
GRP74027	28	0923	0931 0938	0957D	N17	E03	.369	15967	28.6	34	-N					FJK		
ABST	28	0923	0938	0957D	N16	E02	.351	15967	28.5	340	-F	P	0938	183	2.0	FJK		
ISTA	28	0925E		0950D	N17	E02	.368	15967	28.5	250	1B					F		
ABST	28	0928	0931	0957D	N17	E06	.379	15967	28.8	290	-F	P	0931	87	1.0	DJ		
28 ISTA	28	0924E		0927D	S26	E19	.472	15968	29.8	30	-N					D	Y5	
29 HTPR	28	1049		1056D	S27	E21	.502	15968	30.0	70	-F	C	1053	30	.3		Y5	
30 HTPR	28	1108E		1126D	S40	H06	.587	0	28.0	180	-F	C	1117	40	.5		Y5	
	28	1205	1215	NO FLARE PATROL														
GRP74031	28	1309+1	1312	1320D	N26	E43	.784	15971	.8	11	-N			20	.3			
HTPR	28	1309E		1320D	N25	E46	.804	15971	2.0	110	-N	C	1310	20	.3			
RAMY	28	1310	1312	1319D	N27	E40	.764	15971	1.5	90	-B	3	C	21				
GRP74032	28	1404+9	1417+5	1432	N15	E0	.333	15967	28.6	28	-N			50	.5			
HTPR	28	1404	1422	1435	N17	E01	.367	15967	28.7	31	-F	C	1422	40	.4	E		
RAMY	28	1413	1417	1429	N14	E00	.317	15967	28.6	16	-B	3	C	71		FDE		
33 RAMY	28	1501	1501	1505	N25	E33	.689	15971	1.1	4	-N	3	C	46			Y5	
34 RAMY	28	1638	1641	1648	N09	E57	.852	15974	3.0	10	-N	3	C	21			Y5	
35 RAMY	28	1700	1701	1707D	N14	H01	.317	15967	28.6	70	-B	3	C	72		F	Y5	
	28	1745	1901	NO FLARE PATROL														
	28	2020	2034	NO FLARE PATROL														
36 HOLL	28	2032	2035	2042	N13	E54	.833	15974	2.9	10	-B	3	C	32			Y5	
37 CULG	28	2117E	2124	2132	N18	E03	.385	15967	29.1	150	-F	C	2124	40	.4		Y5	
38 CULG	28	2126	2135	2141	S30	E11	.463	15968	29.7	15	-N	C	2135	30	.3		Y5	
GRP74039	28	2146+9	2203 2222	2223	N18	E02	.384	15967	29.1	37	-F						K	
CULG	28	2146	2222	2228	N18	E03	.385	15967	29.1	42	-F	C	2222	50	.6		KT	
BIGB	28	2158	2203	2217	N19	E01	.399	15967	29.0	19	-F	2	C	2203	40	.4		
40 CULG	28	2214	2222	2230	S33	H71	.949	0	23.6	16	-F	C	2222	10			Y5	
GRP74041	28	2235+5	2247+0	2251	N18	E01	.383	15967	29.0	16	-N			60	.7			
HOLL	28	2235E	2247	2251	N18	E01	.383	15967	29.0	160	-B	3	C	51				
CULG	28	2238	2247	2252	N18	E02	.384	15967	29.1	14	-N	C	2247	60	.7	T		
BIGB	28	2240	2247	2251	N19	E01	.399	15967	29.0	11	-N	2	C	2247	60	.6		

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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.											
42	CULG	28	2349	2356	0007	N17	W03	.369	15967	28.8	18	-F	C	2356	40	.4	Y5
43	CULG	29	0024	0027	0035	N24	E36	.708	15971	1.7	11	-N	C	0027	30	.4	Y5
44	CULG	29	0030	0036	0049	N15	E55	.846	15974	3.1	19	-F	C	0036	40	.7	Y5
45	CULG	29	0033	0111	0150	N30	W12	.591	15981	28.1	77	-F	C	0111	40	.5	G Y5
46	CULG	29	0159	0204	0218	N16	E51	.813	15974	2.9	19	-N	C	0204	40	.7	Y5
47	CULG	29	0205	0211	0229	N17	E07	.382	15967	29.6	24	-N	C	0211	30	.3	Y5
48	CULG	29	0241 IMP.1 NO	0303 MANI	0610 MITK	S18	W55	.823	15958	25.0	209	?N	C	0303	180	3.1	SG Y5
49	CULG	29	0320	0324	0342	N15	E53	.829	15974	3.1	22	-N	C	0324	70	1.3	Y5
50	CULG	29	0335	0342	0353	S23	W01	.320	15968	29.1	18	-N	C	0342	30	.3	Y5
51	CULG	29	0417	0427	0442	N21	E32	.648	15971	1.6	25	-F	C	0427	80	1.0	Y5
52	CULG	29	0441	0454	0506	S33	E22	.577	15968	30.8	25	-F	C	0454	30	.3	Y5
53	CULG	29	0510	0517	0529	S28	E07	.415	15968	29.7	19	-N	C	0517	40	.4	Y5
54	CULG	29	0539	0542	0554	N18	W18	.478	15967	27.9	15	-F	C	0542	20	.2	G Y5
55	CULG	29	0559	0613	0629	N15	E51	.810	15974	3.1	30	-F	C	0613	20	.3	Y5
GRP74056	29	0610+7	0616+4	0627	N18	E02	.382	15967	29.4	17	-F						DJ
	CULG	29	0610	0620	0634	N17	E06	.378	15967	29.7	24	-N	C	0620	30	.3	
	ABST	29	0611E	0616	0628	N19	E07	.413	15967	29.8	170	-F	P	0616	87	1.0	DJ
	MANI	29	0616E	0616U	0624	N17	W08	.388	15967	28.7	80	-N	3 C	20			
	ABST	29	0617	0619	0626	N19	W02	.398	15967	29.1	9	-F	C	0619	61	.7	DJ
57	CULG	29	0626	0631	0643	S25	E10	.387	15968	30.0	17	-N	C	0631	90	1.0	F Y5
GRP74058	29	0728+7	0733+4	0757	N16	E51	.813	15974	2.1	29	-B						FJZ
	ABST	29	0728	0733	0759	N17	E50	.807	15974	3.1	31	1B	C	0733	227	3.9	FJ
	TELV	29	0731	0734	0756	N17	E51	.816	15974	3.1	25	1N	2	163	2.6		
	MANI	29	0731	0734	0750	N17	E51	.816	15974	3.1	19	-B	3 C	70			F
	KANZ	29	0733	0737	0752	N18	E49	.801	15974	3.0	19	-B	2				
	CATA	29	0735	0735	07500	N15	E50	.801	15974	3.1	150	-B	2 P	0735	56	.9	
	WEND	29	0737E		0802	N17	E51	.816	15974	3.1	250	1N	C	0741	250	4.3	Z
	ABST	29	0744	0747	0816	N12	E53	.821	15974	3.3	32	-F	C	0747	87	1.5	DJ
GRP74059	29	0735+5	0743+2	0826	N12	W01	.283	15967	29.2	51	1N			330	3.5	FJV	
	ABST	29	0720	0743	0856	N11	W01	.266	15967	29.2	96	1B	* C	0743	349	3.7	FJ
	ABST	29	0728	0729	0732	N17	W11	.407	15967	28.5	4	-F	* C	0729	44	.5	DJV
	ISTA	29	0735		0750	N13	W02	.301	15967	29.2	15	-N	*				E
	ABST	29	0738	0741	0754	N16	W01	.349	15967	29.2	16	-N	* C	0741	114	1.2	DJ
	MANI	29	0739	0743	0824	N11	E01	.266	15967	29.4	45	-B	* C	95			F
	CATA	29	0740	0745	08300	N12	W01	.283	15967	29.2	500	1B	* P	0745	309	3.3	
	KANZ	29	0740	0744	0834	N11	W01	.266	15967	29.2	54	1N	*				F
	WEND	29	0740	0743	08300	N14	E00	.315	15967	29.3	500	1N	* C	0743	400	4.2	
	MITK	29	0742E		08130	N11	E01	.266	15967	29.4	310	-N	* C	0742			E
GRP74060	29	0823+2	0825+1	0835	N15	W09	.364	15967	28.7	12	-N						FJ
	MANI	29	0823	0825	0836	N14	W09	.349	15967	28.7	13	-B	* C	25			
	KANZ	29	0823	0826	0834	N14	W10	.357	15967	28.6	11	-N	*				
	ABST	29	0823	0826	0837	N15	W08	.358	15967	28.7	14	-N	* P	0826	175	1.9	FJ
	WEND	29	0823		0833	N17	W08	.388	15967	28.7	18	-N	* C				
	CATA	29	0825	0825	08300	N15	W09	.364	15967	28.7	50	-N	* P	0825	56	.6	
GRP74061	29	0918+2	0920+2	0929	N16	E47	.775	15974	1.9	11	-N						HJ
	ABST	29	0918	0920	0929	N19	E48	.796	15974	3.0	11	1N	C	0920	175	2.9	EJ
	KHAR	29	0919E	0922	09290	N16	E45	.754	15974	2.8	100	-N	P	0925	90	1.3	DH
	CATA	29	0920	0920	09200	N16	E47	.775	15974	2.9		-N	2 P	0920	45	.7	
GRP74062	29	0921+1	0925+1	0949	N17	W07	.382	15967	28.9	28	-F			90	1.0	DJ	
	ABST	29	0921	0925	09570	N17	W06	.378	15967	28.9	360	-F	P	0925	87	1.0	DJ
	ABST	29	0922	0926	0939	N17	W13	.422	15967	28.4	17	-F	C	0926	87	1.0	DJ
	ABST	29	0924	0928	0940	N18	W04	.386	15967	29.1	16	-F	C	0928	87	1.0	DJ
63	ABST	29	0952	0954	09570	N23	E26	.607	15971	1.4	50	1F	P	0954	281	2.6	EJ Y5

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH FLARE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg.			
					LAT.	MER. DIST.													
	29	1005	1015	NO FLARE PATROL															
64 KHAR	29	1042E		1048D	N14	E43	.725	15974	2.7	60	-F	V	1044			D	Y5		
65 KHAR	29	1047E		1053D	N09	H19	.394	0	28.0	60	-F	V	1047			D	Y5		
GRP74066	29	1440+3	1455+0	1504	N16	E40	.701	15974	1.6	16	-N								
HOLL	29	1448	1455	1505	N16	E39	.690	15974	2.5	17	-N	3	C		30	.4			
RAHY	29	1451	1455	1502	N16	E42	.723	15974	2.8	11	-N	4	C		30				
67 HOLL	29	1530	1538	1545	N15	E41	.707	15974	2.7	15	-B	3	C		43		F	Y5	
GRP74068	29	1540+0	1540+0	1549	N16	H13	.408	15967	28.7	9	-B				50	.5	F		
KANZ	29	1540	1540	1551	N17	H14	.430	15967	28.6	11	-B	2							
HOLL	29	1540	1540	1549	N16	H13	.408	15967	28.7	9	-B	3	C		55		F		
RAHY	29	1540	1540	1546	N16	H11	.393	15967	28.6	6	-B	4	C		36				
GRP74069	29	1603+2	1613+0	1627	N16	E44	.744	15974	2.0	24	-B				60	.9	F		
RAHY	29	1603	1613	1624	N17	E43	.738	15974	2.9	21	-B	3	C		55		F		
HOLL	29	1605	1613	1624	N17	E44	.748	15974	3.0	19	-B	3	C		68		F		
HOLL	29	1606	1609	1629	N12	E48	.771	15974	3.3	23	-B	3	C		39		F		
	29	1640	1813	NO FLARE PATROL															
	29	1821	1909	NO FLARE PATROL															
	29	1913	2210	NO FLARE PATROL															
70 CULG	29	2241	2254U	2254D	S23	E03	.323	15968	30.2	13D	-N	P	2254		80	.8		Y5	
71 MANI	29	2305E	2306	2312	N20	H20	.520	15967	28.5	7D	-N	3	C		30			Y5	
72 MANI	30	0025E	0026	0033	N14	E37	.656	15974	2.8	8D	-B	3	C		100			Y5	
73 MANI	30	0025	0027	0043	N28	E21	.617	15971	1.6	18	-N	*	P		120	1.6		Y5	
74 MANI	30	0031	0032	0040	S24	H04	.343	15968	29.7	9	-N	3	C		50		F	Y5	
GRP74075	30	0111	0221	0248D	N11	E38	.653	15974	1.9	97	-N							FK	
			0239																
CULG	30	0111	0239	0425	N10	E39	.661	15974	3.0	194	1N		C	0239	280	3.7		FTK	
MANI	30	0219E	0221	0248	N10	E37	.636	15974	2.9	29D	-N	3	C		60				
MANI	30	0219E	0220	0243	N14	E38	.668	15974	2.9	24D	-N	3	C		30				
76 CULG	30	0141	0214	0239	S16	E39	.643	15978	3.0	58	-F		C	0214	50	.7		Y5	
77 CULG	30	0432	0440	0501	N22	H22	.559	15967	28.5	29	-N		C	0440	30.	.4		Y5	
GRP74078	30	0519+3	0525+3	0602	N11	E42	.701	15974	2.4	43	-B				100	1.4		FJ	
CULG	30	0519	0528	0602	N10	E41	.685	15974	3.3	43	-B		C	0528	130	1.8			
ABST	30	0520	0525	0603	N14	E42	.713	15974	3.4	43	18		C	0525	236	3.4		FJ	
MANI	30	0522	0526	0540	N12	E42	.705	15974	3.4	18	-B	3	C		80				
MANI	30	0525E	0526	0538D	N11	E43	.713	15974	3.5	13D	-B	3	V		60				
GRP74079	30	0528+3	0532+2	0545	S24	H26	.528	15972	28.3	17	-F				100	1.2		DJLV	
CULG	30	0528	0534	0550	S24	H26	.528	15972	28.3	22	-N		C	0534	120	1.4		L	
ABST	30	0531	0532	0540	S25	H26	.536	15972	28.3	9	-F		C	0532	87	1.1		DJV	
GRP74080	30	0531+9	0538	0615	N17	E30	.595	15974	1.5	44	-F							FJ	
			0602																
ABST	30	0531	0538	0614	N16	E33	.622	15974	2.7	43	-F	*	C	0538	114	1.5		FJ	
CULG	30	0541	0602	0615	N18	E28	.580	15974	2.3	34	-F	*	C	0602	20	.2			
GRP74081	30	0611+2	0614+0	0619	H14	E33	.609	15974	1.7	8	-B				90	1.1		DJ	
CULG	30	0611	0614	0623	N12	E33	.597	15974	2.7	12	-B	*	C	0614	90	1.2			
ABST	30	0612	0614	0619	N14	E33	.609	15974	2.7	7	-B	*	C	0614	131	1.7		DJ	
MANI	30	0613	0614	0618	N15	E33	.615	15974	2.7	5	-B	*	C		30				
GRP74082	30	0630+4	0634+5	0648	N28	E18	.597	15971	.6	18	-N				40	.5		EJ	
ABST	30	0630	0634	0642	N27	E18	.585	15971	1.6	12	-N		P	0634	157	2.0		EJ	
CULG	30	0632	0639	0658	N28	E18	.597	15971	1.6	26	-N		C	0639	40	.5			
MANI	30	0634	0636	0648	N28	E18	.597	15971	1.6	14	-B	3	C		35				
83 ABST	30	0909	0913	0935	N18	E35	.657	15974	3.0	26	-F		C	0913	87	1.2		DJ	Y5
GRP74084	30	1005+0	1005+0	1015	N18	E34	.646	15974	2.0	10	-F							DJ	
ABST	30	1005E	1005	1007D	N19	E34	.653	15974	3.0	20	-F		P	1005	87	1.2		DJ	
GATA	30	1005	1005	1015	N18	E34	.646	15974	3.0	10	-N	2	C	1005	16	.2			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	HEMISPHERE PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
85 KAND	30	1135		1145	N18	E26	.559	15974	2.4	10	-F	C		42	.5	E	Y5
86 RAMY	30	1153	1155	1204	N14	E24	.500	15974	2.3	11	-N	2 C		44			Y5
87 KAND	30	1251	1254	1259	N17	E33	.628	15974	3.0	8	-F	C		63	.8		Y5
	30	1324	1329	NO FLARE PATROL													
GRP74088	30	1557+0	1559+1	1614	N28	E13	.568	15971	.6	17	-B			110	1.3		
BIGB	30	1557	1559	1616	N28	E13	.568	15971	1.6	19	-B	1 P	1559	130	1.4		
RAMY	30	1557	1559	1612	N27	E10	.541	15971	1.4	15	-B	3 C		103			
HOLL	30	1557	1600	1614	N29	E14	.586	15971	1.7	17	-B	3 C		104			DE
GRP74099	30	1616+4	1619+0	1719	N16	E26	.541	15974	1.6	63	-B						F
			1629														
RAMY	30	1616	1619	1721	N16	E26	.541	15974	2.6	65	-B	3 C		77			F
HOLL	30	1619	1619	1653	N15	E23	.498	15974	2.4	34	-B	3 C		25			F
BIGB	30	1620	1629	1719	N17	E27	.561	15974	2.7	59	-N	2 C	1629	60	.7		
BIGB	30	1628	1631	1640	N20	E27	.587	15974	2.7	12	-F	2 C	1631	20	.2		
BIGB	30	1645	1646	1652	N15	E28	.556	15974	2.8	7	-N	2 C	1646	30	.4		
HOLL	30	1656	1658	1705	N15	E23	.498	15974	2.4	9	-B	3 C		42			
90 RAMY	30	1747	1747	1754	N15	E22	.486	15974	2.4	7	-N	3 C		24			Y5
91 BIGB	30	1839	1842	1851	N22	H30	.635	15967	28.5	12	-N	2 C	1842	60	.7		Y5
GRP74092	30	2158+2	2202+1	2212	N12	E25	.496	15974	1.8	14	-N			170	2.0		
			2212														
CULG	30	2158	2203	2210	N09	E25	.473	15974	2.8	12	1N	C	2203	200	2.3		
BIGB	30	2158	2203	2211	N11	E25	.488	15974	2.8	13	1N	2 C	2203	360	3.4		
HOLL	30	2159	2202	2213	N16	E21	.485	15974	2.5	14	-B	2 C		141			DE
HANI	30	2200	2203	2209	N12	E25	.496	15974	2.8	9	-N	2 C		100			F
BIGB	30	2205	2210	2217	N13	E31	.578	15974	3.2	12	-N	2 C	2210	40	.5		
GRP74093	30	2222+2	2224+2	2233	N12	E24	.483	15974	1.7	11	-N			80	.9		E
CULG	30	2222	2226	2238	N10	E24	.467	15974	2.7	16	-N	C	2226	90	1.0		
BIGB	30	2223	2224	2231	N13	E24	.492	15974	2.7	8	-N	2 C	2224	90	1.0		
HOLL	30	2224	2225	2236	N16	E21	.485	15974	2.5	12	-B	2 C		103			
HANI	30	2224	2225	2233	N12	E23	.471	15974	2.7	9	-N	2 C		60			
VORO	30	2227E		2230	N10	E24	.467	15974	2.7	30	-B	C	2227	72	.8		BE
94 CULG	30	2304	2310	2316	S18	E30	.536	15978	3.2	12	-F	C	2316	20	.2		Y5
95 CULG	30	2322	2327	2339	S29	E68	.932	15984	6.1	17	-F	C	2327	10			G Y5
GRP74096	30	2348+9	0005+4	0033	N16	E23	.507	15974	1.7	45	1N						KL
CULG	30	2348	2405	0109	N14	E23	.489	15974	2.7	81	1N	* P	2405	180	2.1		
VORO	30	2354	2409	0032	N16	E19	.464	15974	2.4	38	1N	* C	2409	224	2.5		EKL
HANI	30	2358	2405	0033	N16	E23	.507	15974	2.7	35	-B	* C		120			F

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DAILY FLARE INDICES

Includes all Flares

Date	Flare Index	HR. OBS	Date	Flare Index	HR. OBS	Date	Flare Index	HR. OBS
790401	697.84	23.7	790411	386.93	23.6	790421	22.17	22.7
790402	119.57	23.6	790412	48.25	20.1	790422	17.77	19.7
790403	268.60	24.0	790413	150.01	23.8	790423	15.52	21.0
790404	49.62	23.3	790414	230.68	24.0	790424	36.47	22.0
790405	51.99	23.6	790415	286.90	22.3	790425	137.96	22.9
790406	53.05	23.8	790416	143.87	22.8	790426	127.15	23.5
790407	12.61	23.0	790417	73.76	21.1	790427	243.53	20.1
790408	32.93	23.1	790418	40.96	22.6	790428	134.68	22.3
790409	46.39	23.5	790419	46.54	21.3	790429	179.72	18.5
790410	41.65	24.0	790420	30.93	24.0	790430	110.15	23.9

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

Purple Mt. and Yunnan H α Solar Flares for April 1979
(Not included in group reports because of data processing delays)

H α SOLAR FLARES

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS	
	DAY	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION				CMP. DAY	TIME UT	MEAS. AREA MIL. OF DIA.		CORR. AREA 5 σ DEG.
					LAT.	MER. DIST.										
YUNN	01	0012	0022	0159	S18	E40	.651	15920	4.0	107	1N	C	268			
PURP	02	0014E	0014U	0055	S25	E05	.327	15918	2.4	410	1B					
YUNN	02	0015	0027	0055	S24	E06	.316	15916	2.5	40	1N	C	283			
YUNN	03	0109	0218	0300	S28	H15	.436	15918	1.9	111	2N	C	629			
YUNN	03	0209	0213	0230	S28	H02	.369	15918	2.9	21	1N	C	236			
YUNN	03	0307	0313	0320	S23	H10	.328	15918	2.4	13	1N	C	236			
PURP	03	0427E	0427	0504	S25	H08	.343	15918	2.6	370	1B					
YUNN	03	0500	0501	0540	S26	H06	.348	15918	2.8	40	1F	C	204			
YUNN	03	0648	0708	0717	S22	H08	.299	15918	2.7	29	1N	C	345			
PURP	03	0703	0704	0707	S20	H08	.269		2.7	4	SB					
YUNN	03	0823	0826	0850	S23	H10	.328	15918	2.6	27	1B	C	188			
YUNN	04	0710	0714	0730	S21	H58	.647	15916	30.9	20	1B	C	180			
PURP	04	0711	0713	0736	S23	H56	.632	15916	31.1	25	1B					
YUNN	05	0727	0730	0736	S22	H38	.641	15917	2.5	9	1N	C	157			
YUNN	05	0835	0837	0847	S22	H38	.641	15917	2.5	12	1F	C	173			
YUNN	05	0925	0927	0933	S22	H42	.688	15917	2.2	8	1N	C	173			
YUNN	06	0629	0634	0639	S36	H66	.520	15917	1.3	10	1F	C	141			
YUNN	06	0821	0825	0832	S22	H90	.599	15917	30.6	11	1B	C	110			
YUNN	06	0902	0916	0940	N19	E90	1.001	15933	13.1	38	3B	C	472			
YUNN	07	0303	0305	0317	S22	H62	.881	15917	2.5	14	1N	C	126			
YUNN	09	0110	0113	0118	N17	E56	.866	15936	13.2	8	1N	C	126			
YUNN	10	0502	0514	0534	N10	E90	1.000	15943	17.0	32	3N	C	629			
YUNN	10	0526	0540	0549	N04	E78	.943	15937	15.5	23	1N	C	157			
PURP	10	0628	0629	0637	S12	H59	.652	15924	5.8	9	1F					
YUNN	10	0628	0630	0655	S09	H59	.853	15924	5.8	27	1B	C	221			
PURP	11	0303E	0303	0307	N18	E23	.544		12.9	40	SF					
YUNN	11	0505	0505	0516	N05	E56	.838	15937	15.4	11	1N	C	157			
PURP	12	0425E		0425	N19	E10	.450	15933	12.9		1N					
PURP	16	0434E	0434	0439	N03	H08	.203		15.6	50	SB					
PURP	16	0510	0514	0521	N03	H09	.215	15937	15.5	11	1B					
PURP	16	0748E		0820	N17	H18	.481	15936	15.0	320	1N					
PURP	20	0017E		00350	N09	H48	.765	15943	16.4	180	2N		377	5.9		
YUNN	21	0258	0312	0320	N31	H48	.851	15942	17.5	22	1N	C	263			
PURP	21	0305	0315	0323	N27	H56	.890	15943	16.9	18	1N					
YUNN	23	0240	0245	0251	N20	E39	.716	15963	26.0	11	1N	C	172			
YUNN	24	0023	0030	0055	N21	E26	.592	15963	26.0	32	1F	C	204			
YUNN	24	0450	0453	0504	N18	E56	.864	15967	28.4	14	1N	C	110			
YUNN	25	0648	0655	0713	N20	E42	.745	15967	28.4	25	1F	C	142			
YUNN	25	0725	0732	0738	S24	E58	.856	15968	29.7	13	1N	C	110			
YUNN	27	0142	0149	0210	S32	E42	.742	15968	30.2	28	1N	C	188			
YUNN	27	0340	0344	0400	S28	E37	.672	15968	29.9	20	2N	C	392			
YUNN	27	0633	0656	0730	N19	E17	.464	15967	28.5	57	1B	C	188			
YUNN	28	0052	0100	0130	N15	E06	.348	15967	28.5	38	1N	C	236			
PURP	28	0209E	0209	0219	N16	E08	.374	15967	28.7	100	1N					
PURP	28	0448	0507	0527	N16	E07	.368	15967	28.7	39	1B					
YUNN	30	0030	0033	0047	N26	E22	.602	15971	1.7	17	1B	C	236			
YUNN	30	0146	0216	0300	N11	E38	.653	15974	2.9	74	1B	C	393			
PURP	30	0211E	0211	02110	N10	E38	.649	15974	2.9		1N					
YUNN	30	0525	0528	0536	N11	E42	.701	15974	3.4	11	1N	C	157			

"REMARKS":

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