H - ALPHA S O L A R F L A R E S

JULY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
		01	1944		1948	No Flare Patrol													
		02	1444		1458	No Flare Patrol													
		02	1651		1657	No Flare Patrol													
		02	1709		1729	No Flare Patrol													
0001	PALE	02	1755	1755	1804	N11	E30	4525	07	5.0	9	SF		3	C		102		
0002	RAMY	02	1827	1828	1849	N12	E33	4525	07	5.2	22	SF	C 1.6	3	C		29		
0003	HTPR	03	0715	0719	0725	N03	E80	4540A	07	9.3	10	SF			C	0719	20		E
0004		03	15093	1513	1517	N03	E76	4540A	07	9.3	8	SN					20		
	HTPR	03	1509	1513	1518	N03	E76	4540A	07	9.3	9	SN			C	1513	20		
	HOLL	03	1512	1513	1516	N03	E75	4540A	07	9.2	4	SF		3	C		21		
0005	HOLL	03	1754	1754	1759	S06	E77	4532	07	9.5	5	SF		3	C		10		
0006		04	0051	0212	0246D	S08	E68	4532	07	9.1	115D	1N	M 1.4				216		K
	PALE	04	0051	0212	0246D	S08	E68	4532	07	9.1	115D	SF		3	C		54		K
	PALE	04	0051	0246U	0246D	S08	E68	4532	07	9.1	115D	2B	M 1.4	3	C		379		K
0007		04	02404	02482	0317	S10	E79	4536	07	10.0	37	2B					154		E
	URUM	04	0240	0250	0258	S11	E83	4536	07	10.3	18	2B			C		173		
	MITK	04	0243	0248	0346	S10	E75	4536	07	9.7	63	1N			C	0248	100		E
	YUNN	04	0244	0250	0306	S10	E79	4536	07	10.0	22	2B			C		189		
0008	HTPR	04	0644	0648	0652	S13	E68	4536	07	9.4	8	SN			C	0648	10	.2	
0009	HTPR	04	0824	0830	0832	S06	E56	4532	07	8.5	8	SF			C	0830	10	.2	
0010		04	1705	17061	1712	N10	E06	4525	07	5.2	7	SF					26	.2	E
	HOLL	04	1705	1706	1711	N11	E06	4525	07	5.2	6	SF		3	C		31		
	HTPR	04	1705	1707	1713	N10	E06	4525	07	5.2	8	SF			C	1707	20	.2	E
		04	1926		1935	No Flare Patrol													
0011	HOLL	04	2357	2404	2407	N16	E03	4525	07	5.2	10	SF		3	C		25		F
0012	HTPR	05	0838	0839	0847	S14	E57	4536	07	9.7	9	SF			C	0839	10	.2	
0013	HTPR	05	1001	1001	1006	S10	E58	4536	07	9.8	5	SF			C	1001	10	.2	
0014		05	1019*	1019*	1044	N03	E55	4533	07	9.5	25	SN					25	.4	E
	HTPR	05	1019	1019	1039	N03	E55	4533	07	9.5	20	SF			C	1019	20	.3	E
	HTPR	05	1042	1042	1050	N03	E55	4533	07	9.5	8	SN			C	1042	30	.5	E
0015	HTPR	05	1327	1330	1345	N10	W07	4525	07	5.0	18	SB			C	1330	120	1.2	E
		05	1503		1512	No Flare Patrol													
0016		05	1748	17491	1813	N02	E51	4533	07	9.5	25	SB					86		EFH
	PALE	05	1748	1749	1813	N02	E52	4533	07	9.6	25	SB		3	C		81		FE
	HOLL	05	1749E	1750	1812D	N03	E50	4533	07	9.5	23D	SB		3	C		90		FH
		05	1917		1931	No Flare Patrol													
		05	1935		1942	No Flare Patrol													
		05	2007		2201	No Flare Patrol													
		05	2329		2356	No Flare Patrol													
0017	HTPR	06	0831	0832	0845	N10	W17	4525	07	5.1	14	SF			C	0832	70	.7	E
0018	HTPR	06	0831	0835	0850	S08	E44	4536	07	9.6	19	SF			C	0835	30	.4	E
		06	1512		1518	No Flare Patrol													
		06	1523		1533	No Flare Patrol													
		06	1551		1607	No Flare Patrol													
0019		06	1905	19066	1932	N09	E17	4528	07	8.1	27	SN					74		F
	RAMY	06	1905	1906	1928	N09	E17	4528	07	8.1	23	SN		3	C		58		
	HOLL	06	1905	1912	1935	N09	E17	4528	07	8.1	30	SN		3	C		89		F

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JULY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0020	HOLL	06	1936	1938	1952	N17	W21	4525	07	5.2	16	SF		3	C		78		F
		06	2000		2209	No Flare Patrol													
		06	2219		2225	No Flare Patrol													
		06	2237		2258	No Flare Patrol													
		06	2306		2400	No Flare Patrol													
		07	0000		0013	No Flare Patrol													
		07	0018		0032	No Flare Patrol													
		07	0034		0203	No Flare Patrol													
		07	0207		0217	No Flare Patrol													
		07	0221		0324	No Flare Patrol													
		07	0552		0559	No Flare Patrol													
0021	KHAR	07	0653E	0654	0659D	S09	E32	4536	07	9.7	6D	SF			P	0654			DO
0022		07	1020*	10332	1052	S11	E32	4536	07	9.8	32	SB					95	1.1	E
	HTPR	07	1020	1033	1058	S12	E32	4536	07	9.8	38	SB			C	1033	80	.9	E
	KHAR	07	1028E	1033	1053D	S10	E32	4536	07	9.8	25D	SN			V	1035	150	1.8	E
	CATA	07	1030	1035	1045	S11	E32	4536	07	9.8	15	S		2	C	1035	56	.7	
0023	HTPR	07	1033	1035	1038	S15	E42		07	10.6	5	SF			C	1035	30	.4	
0024		07	11091	11101	1115	N01	E28	4533	07	9.5	6	SF					57	.6	
	HTPR	07	1109	1111	1115	N01	E28	4533	07	9.5	6	SF			C	1111	30	.3	
	CATA	07	1110	1110	1115	N01	E27	4533	07	9.5	5	S		2	C	1110	84	.9	
0025		07	13324	13381	1400	S07	E25	4532	07	9.4	28	SF					38	.2	EF
	HTPR	07	1332	1338	1359	S07	E26	4532	07	9.5	27	SF			C	1338	20	.2	E
	HOLL	07	1336	1338	1402	S07	E25	4532	07	9.4	26	SF		3	C		44		F
	RAMY	07	1336	1339	1358	S07	E25	4532	07	9.4	22	SF		3	C		50		F
0026		07	1450*	14539	1514	N12	W34	4525	07	5.0	24	SF					54		F
	RAMY	07	1450	1456	1520	N10	W33	4525	07	5.1	30	SF		3	C		72		F
	HOLL	07	1452	1453	1459	N13	W34	4525	07	5.0	7	SF		3	C		33		
	HOLL	07	1501	1502	1522	N12	W35	4525	07	5.0	21	SF		3	C		58		
0027		07	1822	18241	1831	S00	E27	4536A	07	9.8	9	SF					28		F
	HOLL	07	1822	1824	1831	S01	E27	4536A	07	9.8	9	SF		3	C		29		F
	RAMY	07	1822	1825	1831	S00	E27	4536A	07	9.8	9	SF		3	C		27		F
0028	RAMY	07	1834	1839	1850	N11	W34	4525	07	5.2	16	SF		3	C		47		F
0029	HOLL	07	2116	2118	2128	N03	E21	4533	07	9.4	12	SN		3	C		98		
0030	HOLL	07	2356	2401	2432	N12	W37	4525	07	5.2	36	SF		3	C		104		F
0031	ABST	08	0430E	0538	0558D	S09	E61	4537	07	12.8	88D	1F			P	0538	140		E
0032		08	06583	07014	0716	S10	E10	4536	07	9.0	18	SF					76	.8	
	WEND	08	0658	0701	0718	S10	E11	4536	07	9.1	20	SF			C	0701	81	.9	
	ATHN	08	0700	0702	0706D	S11	E10	4536	07	9.0	6D	SN		3	V	0702	64	.7	
	CATA	08	0700	0705	0720	S10	E11	4536	07	9.1	20	S		2	C	0705	84	.9	
	KANZ	08	0701	0701	0709	S10	E10	4536	07	9.0	8	SF		2					
0033	KANZ	08	1035	1035	1043	S10	E08	4532	07	9.0	8	SF		2					
0034	KANZ	08	1219	1223	1226	S11	E08	4536	07	9.1	7	SF		2					
0035	HOLL	08	1354	1354	1407	S10	E57	4537	07	12.9	13	SF		3	C		15		
0036	RAMY	08	1411	1412	1424	N13	W46	4525	07	5.1	13	SF		3	C		25		
0037		08	15032	15041	1509	N13	W44	4525	07	5.3	6	SF					32		
	HOLL	08	1503	1504	1509	N13	W44	4525	07	5.3	6	SF		3	C		32		
	KANZ	08	1505	1505	1509	N13	W45	4525	07	5.2	4	SF		2					
0038		08	15413	15441	1558	S08	E11	4532	07	9.5	17	SF					30		F
	HOLL	08	1541	1544	1600	S08	E11	4532	07	9.5	19	SF		3	C		30		F
	RAMY	08	1544	1545	1555	S07	E11	4532	07	9.5	11	SF		3	C		30		

H - ALPHA SOLAR FLARES

JULY 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0039		08	18193	18272	1850	S08	E09	4532	07	9.4	31	SF						67		F
	RAMY	08	1819	1829	1851	S08	E09	4532	07	9.4	32	SF			3	C		78		F
	HOLL	08	1822	1827	1848	S09	E09	4532	07	9.4	26	SF			3	C		56		F
0040		08	19093	19141	1935	S09	E55	4537	07	12.9	26	SN						47		
	HOLL	08	1909	1914	1959	S10	E56	4537	07	13.0	50	SN			3	C		44		
	PALE	08	1912	1914	1922	S09	E54	4537	07	12.8	10	SF			3	C		71		
	RAMY	08	1912	1915	1924	S09	E55	4537	07	12.9	12	SN			3	C		27		
0041	RAMY	08	1940	1944	2001	S09	E55	4537	07	12.9	21	SF			3	C		19		
0042	PALE	08	2125	2126	2158	S08	E53	4537	07	12.9	33	SN			3	C		23		F
0043	PALE	08	2200	2208	2219	S09	E55	4537	07	13.0	19	SF			3	C		25		F
		09	0148		0157	No Flare Patrol														
		09	0250		0305	No Flare Patrol														
		09	0312		0341	No Flare Patrol														
		09	0348		0357	No Flare Patrol														
		09	0411		0446	No Flare Patrol														
		09	0456		0519	No Flare Patrol														
		09	0535		0536	No Flare Patrol														
0044	CATA	09	0925	0945	1025	N08	W44	4525	07	6.1	60	S			2	C	0945	56	.8	
0045	RAMY	09	1556	1557	1605	S10	E03	4536	07	9.9	9	SF			3	C		26		
0046	HOLL	09	1802	1803	1810	N10	W21	4528	07	8.2	8	SF			3	C		38		F
0047	HOLL	09	2004	2005	2008	N10	W23	4528	07	8.1	4	SF			3	C		33		
0048	HOLL	09	2013	2013	2018	S09	W03	4536	07	9.6	5	SF			3	C		25		
		09	2116		2145	No Flare Patrol														
		09	2202		2207	No Flare Patrol														
0049		10	0051	0053	0057	S12	W08	4536	07	9.4	6	SN						25	.2	
	HOLL	10	0051	0053	0057	S13	W08	4536	07	9.4	6	SF			3	C		34		
	YUNN	10	0054E	0054U	0055D	S12	W08	4536	07	9.4	1D	SN				P	0054	16	.2	
0050		10	0630	0638*	0708	S11	W04	4536	07	10.0	38	1F						219	2.3	E
	BUCA	10	0630	0638	0700	S14	W05	4536	07	9.9	30	SF				C	0638	129	1.3	E
	CATA	10	0630E	0650	0715	S08	W04	4536	07	10.0	45D	1			2	P	0650	309	3.3	
0051		10	06333	06373	0700	S06	W06	4532	07	9.8	27	SF						116	1.2	E
	HTPR	10	0633	0637	0720	S06	W05	4532	07	9.9	47	SF				C	0637	80	.8	E
	ABST	10	0634	0638	0645	S06	W08	4532	07	9.7	11	SF				C	0638	174	1.8	E
	YUNN	10	0636	0640	0700	S06	W06	4532	07	9.8	24	SN				C		94	1.0	
	KANZ	10	0643E	0643U	0657	S05	W04	4532	07	10.0	14D	SF			1					
0052	HTPR	10	0819	0824	0853	S06	W05	4532	07	10.0	34	SN				C	0824	60	.6	E
0053		10	0824*	0824*	0834	S10	W11	4536	07	9.5	10	SF								
	KANZ	10	0824	0824	0826	S09	W10	4536	07	9.6	2	SF			2					
	KANZ	10	0838	0838	0842	S10	W12	4536	07	9.4	4	SF			2					
0054	HTPR	10	1115	1117	1123	S10	W14	4536	07	9.4	8	SF				C	1117	10	.1	
0055		10	16211	1622	1636	S13	W15	4536	07	9.5	15	SF						36		
	HOLL	10	1621	1621U	1635	S13	W15	4536	07	9.5	14	SF			3	C		26		
	RAMY	10	1622	1622	1636	S13	W15	4536	07	9.5	14	SF			3	C		45		
		10	1847		1942	No Flare Patrol														
		10	1946		2111	No Flare Patrol														
0056	CULG	11	0511	0515	0535	S05	W31	4540	07	8.9	24	SF				C	0515	40	.5	FH
0057		11	07402	07409	0804	S12	W15	4536	07	10.2	24	SF						115	1.2	BE
	HTPR	11	0736E		0752D	S14	W15	4536	07	10.2	16D	SF				C	0741	60	.6	E
	CATA	11	0740	0740	0740D	S12	W16	4536	07	10.1	16D	S			2	P	0740	56	.6	
	BUCA	11	0742	0749	0804	S10	W14	4536	07	10.3	22	SF				P	0749	107	1.2	E
	ABST	11	0745E	0746	0803D	S13	W16	4536	07	10.1	18D	1F				P	0746	236	2.6	BE

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0058		11	0854	0914U	0936	S08	W27	4532	07	9.3	42	SN					76	.8	EU
	HTPR	11	0840E		0936	S08	W26	4532	07	9.4	56D	SF			C	0907	120	1.3	EU
	YUNN	11	0854	0914U	0918D	S07	W28	4532	07	9.3	24D	SN			P	0914	31	.4	U
0059		11	09011	09021	0914	S15	E74		07	17.0	13	SN					48		
	ATHN	11	0901	0903	0915	S17	E71		07	16.8	14	SN		3	V	0903	48		
	KANZ	11	0902	0902	0914	S13	E76		07	17.1	12	SN		2					
0060		11	09441	0945	0954	S08	W26	4532	07	9.4	10	SN					83	1.0	DE
	HTPR	11	0944	0945	0954	S09	W27	4532	07	9.4	10	SB			C	0945	80	.9	E
	KANZ	11	0945	0945	0953	S07	W25	4532	07	9.5	8	SN		2					
	URUM	11	0945E	0945	0955	S09	W26	4532	07	9.4	10D	SN			P		86	1.0	D
0061		11	09501	0952	1005	S06	E55	4539	07	15.5	15	SN					38	.6	E
	URUM	11	0950	0952	1005	S06	E57	4539	07	15.7	15	SN			C		47	.6	E
	HTPR	11	0951		0955D	S06	E53	4539	07	15.4	4D	SF			C	0953	30	.5	E
0062		11	12008	1201*	1220	S06	E52	4539	07	15.4	20	SF					35	.8	E
	RAMY	11	1200	1201	1220	S05	E52	4539	07	15.4	20	SF		3	C		23		
	URUM	11	1208	1215	1232D	S06	E53	4539	07	15.5	24D	SF			P		47	.8	E
0063	RAMY	11	1309	1310	1321	S10	W25	4536	07	9.7	12	SF		3	C		28		F
		11	1633		1641	No Flare Patrol													
		11	1657		1707	No Flare Patrol													
		11	1709		1710	No Flare Patrol													
0064	KHAR	12	0818E	0819	0823D	S10	E09	4537	07	13.0	5D	SF			V	0820	30	.4	D
0065	KHAR	12	0940E	0940	0947D	S14	E68	4541	07	17.5	7D	SF			V	0940			D
0066	KHAR	12	0956E		1003D	S06	E40	4539	07	15.4	7D	SF			V	0956			EH
0067	HTPR	12	1018	1022	1030	S06	E41	4539	07	15.5	12	SF			C	1022	30	.4	E
0068	KHAR	12	1036E	1037	1040D	S07	E11	4537	07	13.3	4D	SF			V	1037			DH
0069		12	1257*	1305*	1342	S10	E03	4537	07	12.8	45	SN					78	1.2	EFU
	URUM	12	1257	1305	1317D	S10	E03	4537	07	12.8	20D	SB			P		173	1.8	U
	HTPR	12	1302	1307	1325	S10	E04	4537	07	12.8	23	SF			C	1307	60	.6	E
	RAMY	12	1302	1307	1353	S10	E04	4537	07	12.8	51	SF		3	C		62		F
	KANZ	12	1305	1305	1345	S10	E03	4537	07	12.8	40	SN		2					
	HOLL	12	1310	1312	1331	S10	E03	4537	07	12.8	21	SF		3	C		72		F
	HOLL	12	1339	1348	1357	S12	E00	4537	07	12.6	18	SF		3	C		24		
0070	PALE	12	1918	1919	1924	S14	E61	4541	07	17.4	6	SF		3	C		17		
0071	KHAR	13	0730E		0740D	S07	E28	4539	07	15.4	10D	SF			P	0732	80	.9	EHO
0072	KHAR	13	0730E		0737D	S15	E58	4541	07	17.7	7D	SF			P	0732	40	.8	DO
0073	KHAR	13	0756E	0758	0810D	S07	E28	4539	07	15.4	14D	SF			V	0759	50	.6	D
0074		13	0833*	0837*	1020	S07	E27	4539	07	15.4	107	SF					59	.7	BDET
	HTPR	13	0833	0853	0909	S06	E27	4539	07	15.4	36	SF			C	0853	20	.2	E
	KHAR	13	0836E	0837	0855D	S07	E28	4539	07	15.4	19D	SF			V	0837			DT
	URUM	13	0900E	1055U	1145D	S08	E27	4539	07	15.4	165D	SF			P	1055	47	.6	D
	HTPR	13	0926	1100	1130	S06	E26	4539	07	15.3	124	SN			C	1100	30	.3	
	ABST	13	1116E	1116	1125D	S07	E27	4539	07	15.5	9D	SF			P	1116	140	1.7	BE
0075	HTPR	13	1240	1308	1320	S07	W90		07	6.8	40	SN			C	1308	20		
		13	1608		1616	No Flare Patrol													
		13	1721		1734	No Flare Patrol													
0076	HOLL	13	1824	1825	1850	S06	E23	4539	07	15.5	26	SF		3	C		25		
0077		14	0108	0113	0120	S08	E18	4539	07	15.4	12	SN					34	.5	F
	HOLL	14	0108	0113	0119	S08	E18	4539	07	15.4	11	SF		3	C		20		
	URUM	14	0108E	0113	0122	S08	E19	4539	07	15.5	14D	SN			P		47	.5	F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs	Obs Type	Time (UT)	Area Measurement Apparent (10^{-6} Disk)	Area Measurement Corr (Sq Deg)	Remarks
0078		14	06305	06366	0648	S06	E14	4539	07	15.3	18		SN						67	1.2	EFH
	PEKG	14	0630	0636	0650	S06	E13	4539	07	15.2	20		SN			C		0636	109	1.2	E
	LEAR	14	0635	0642	0646	S06	E14	4539	07	15.3	11		SF		3	C			25		FH
0079	KHAR	14	0818E	0818	0822D	S15	E45	4541	07	17.7	4D		SF			V		0818			D
0080		14	0924	09294	0943	S08	E14	4539	07	15.4	19		SF						31	.3	E
	URUM	14	0924	0929	0943	S08	E14	4539	07	15.4	19		SF			C			31	.3	E
	KHAR	14	0933E	0933	0946D	S07	E13	4539	07	15.4	13D		SF			V		0933			E
0081		14	2015	20171	2025	S01	W64	4540	07	10.1	10		SN						36		
	PALE	14	2014E	2017U	2024	S01	W64	4540	07	10.1	10D		SF		3	C			38		
	RAMY	14	2015	2017	2025	S03	W64	4540	07	10.1	10		SN		3	C			30		
	HOLL	14	2015	2018	2026	N01	W63	4540	07	10.1	11		SN		3	C			40		
0082		15	07251	07301	0735	S10	W36	4537	07	12.6	10		SN						38	.5	DE
	BUCA	15	0725	0731	0735	S10	W35	4537	07	12.7	10		SF			C		0731	43	.6	D
	PEKG	15	0726	0730	0735	S09	W36	4537	07	12.6	9		SN			C		0730	34	.4	E
0083		15	0830	0832	0840	S10	W32	4537	07	12.9	10		SN						23	.3	DE
	PEKG	15	0830	0832	0844	S12	W26	4537	07	13.4	14		SN			P		0832	25	.3	E
	PEKG	15	0832E	0832	0837	S07	W38	4537	07	12.5	5D		SF			P		0832	21	.3	D
0084		15	1201	11539	1216	S08	W40	4537	07	12.5	15		SN						43	.9	E
	URUM	15	1136E	1153	1215	S08	W41	4537	07	12.4	39D		SN			P			63	.9	E
	RAMY	15	1201	1202	1216	S08	W40	4537	07	12.5	15		SF		3	C			23		
0085	URUM	16	0046E	0114	0155D	S07	W51	4537	07	12.2	69D		SN			P			47	.8	E
0086	LEAR	16	0539	0547	0556	S09	W51	4537	07	12.4	17		SF		3	C			26		
0087		16	0742E	0745	0903D	S07	W52	4537	07	12.4	81D		SF						40	.7	DHO
	KHAR	16	0742E	0745	0753D	S07	W52	4537	07	12.4	11D		SF			P		0745	40	.7	DO
	KHAR	16	0803E		0903D	S07	W52	4537	07	12.4	60D		SF			V		0831			DH
0088	KHAR	16	0800E	0802	0810D	S16	E20	4541	07	17.8	10D		SF			P		0802	30	.4	D
0089	KHAR	16	0953E	0954	0959D	S11	W90		07	9.6	6D		SF			V		0954	30		DH
0090	RAMY	16	1930	1931	1945	S08	W59	4537	07	12.4	15		SF		3	C			19		F
		16	2011		2015	No Flare Patrol															
0091	RAMY	16	2027	2027	2046	S08	W59	4537	07	12.4	19		SF		3	C			16		F
0092	HOLL	16	2121	2124	2130	S07	W59	4537	07	12.5	9		SF		3	C			27		
0093	HOLL	16	2215	2215	2222	S06	W60	4537	07	12.4	7		SF		3	C			17		
0094		17	00252	0025*	0037	S08	W59	4537	07	12.6	12		SF						32		
	PALE	17	0025	0025	0033	S09	W58	4537	07	12.7	8		SF		3	C			23		
	LEAR	17	0027	0035	0041	S07	W60	4537	07	12.5	14		SF		3	C			40		
0095		17	00555	0057*	0129	S09	W62	4537	07	12.4	34	1N	C	5.6					160	3.2	EFIJKW
	YUNN	17	0047E	0058	0110D	S09	W66	4537	07	12.1	23D	1B				P			189		
	VORO	17	0055	0057	0118	S08	W65	4537	07	12.2	23		SF			C		0105	448		IJKW
	LEAR	17	0100	0101	0137	S09	W60	4537	07	12.5	37	SB	C	5.6	3	C			107		FE
	PEKG	17	0105E	0105E	0140	S10	W62	4537	07	12.4	35D	1N	C	5.6		P		0105	189	4.2	E
	CULG	17	0105E	0107	0115	S10	W62	4537	07	12.4	10D	1F				P		0107	100	2.2	
	HOLL	17	0111E	0116	0133	S07	W63	4537	07	12.3	22D		SF		2	C			71		F
	PURP	17	0114E	0115	0130	S11	W63	4537	07	12.3	16D	1B				C		0115	99		
	URUM	17	0114E	0116U	0130	S09	W54	4537	07	13.0	16D	1B				P		0116	79		F
0096	ABST	17	0405	0410	0422	S08	W65	4537	07	12.3	17		SF			C		0410	87		DI
0097	LEAR	17	0505	0505	0520	S08	W64	4537	07	12.4	15		SF		3	C			17		
0098	KHAR	17	0703E		0718D	S08	W66	4537	07	12.3	15D		SF			P		0703			DO

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0099		17	08262	08271	0832	S08	W64	4537	07	12.5	6	SF					16		
	LEAR	17	0826	0827	0831	S08	W64	4537	07	12.5	5	SF		3	C		16		
	KANZ	17	0828	0828	0832	S07	W64	4537	07	12.5	4	SF		1					
0100		17	08377	08396	0849	S14	E03	4541	07	17.6	12	SN					65	.7	E
	CATA	17	0835E	0840	0850	S13	E03	4541	07	17.6	15D	S		2	P	0840	84	.9	
	HTPR	17	0837	0839	0849	S14	E04	4541	07	17.7	12	SF			C	0839	20	.2	E
	PEKG	17	0844	0845	0849	S14	E03	4541	07	17.6	5	SN			C	0845	92	1.0	E
0101	HTPR	17	0920	0927	0933	S07	W67	4537	07	12.4	13	SF			C	0927	10	.2	
0102	KHAR	17	1133E	1133	1150D	N11	W38	4544	07	14.6	17D	1F			P	1138	200	2.6	O
		17	1535		1547	No Flare Patrol													
0103	RAMY	17	1941	1947	1955D	S14	W03	4541	07	17.6	14D	SN		3	C		71		F
		17	1956		2005	No Flare Patrol													
0104	KHAR	18	0706E		0725D	S07	W38	4539	07	15.4	19D	SF			V				D
0105	KHAR	18	0800E	0801	0812D	S11	W81	4537	07	12.2	12D	SF			P	0801	40		D
0106	HTPR	18	0835	0839	0854	S13	W16	4541	07	17.1	19	SF			C	0839	10	.1	
0107		18	0848	0852	0859	S10	W80	4537	07	12.3	11	SN					20		D
	HTPR	18	0848	0852	0859	S08	W80	4537	07	12.4	11	SN			C	0852	20		
	KHAR	18	0855E		0902D	S11	W81	4537	07	12.3	7D	SF			V	0855			D
0108	KHAR	18	0906E	0907	0910D	S07	W39	4539	07	15.4	4D	SF			V	0907			DH
0109		18	1042	1024*	1048	S09	E40	4545	07	21.4	6	SF					20	.2	DO
	KHAR	18	1024E	1024	1050D	S08	E38	4545	07	21.3	26D	SF			P	1024	30	.4	DO
	HTPR	18	1042	1043	1048	S10	E42	4545	07	21.6	6	SF			C	1043	10	.1	
0110		18	1101	11026	1117	S09	E40	4545	07	21.5	16	SF					25	.4	D
	HTPR	18	1101	1102	1117	S10	E42	4545	07	21.6	16	SF			C	1102	20	.3	
	KHAR	18	1103E	1108	1125D	S08	E38	4545	07	21.3	22D	SF			V	1108	30	.4	D
0111	KHAR	18	1143E	1144	1148D	S08	E38	4545	07	21.3	5D	SF			V	1144	30	.4	DH
0112	HTPR	18	1244	1248	1252	S08	W83	4537	07	12.3	8	SF			C	1248	20		
0113	HTPR	18	1428	1436	1500	S08	W85	4537	07	12.2	32	SF			C	1436	10		
0114	HTPR	19	0712	0720	0800	S08	W90	4537	07	12.5	48	SF			C	0720	20		
0115	HTPR	19	0724	0750	0806	N10	W62	4544	07	14.6	42	SF			C	0750	10	.2	
0116		19	14484	14536	1503	N09	W70	4544	07	14.4	15	SF					16		
	RAMY	19	1448	1459	1502	N08	W70	4544	07	14.4	14	SF		3	C		14		
	HOLL	19	1452	1453	1504	N10	W69	4544	07	14.4	12	SF		3	C		19		
0117	RAMY	19	1512	1516	1525	N08	W70	4544	07	14.4	13	SF		3	C		24		
0118	HOLL	19	1613	1621	1729	N11	W70	4544	07	14.4	76	SF		3	C		28		F
0119	HOLL	19	2126	2129	2133	N10	W75	4544	07	14.2	7	SF		3	C		16		
0120	LEAR	20	0320	0328	0333	N11	W73	4544	07	14.6	13	SF		3	C		31		
0121	ABST	20	0437E	0437	0443D	N11	W83	4544	07	13.9	6D	1F			P	0437	96		BD
0122	HTPR	20	0640	0654	0720	S05	W66	4539	07	15.3	40	SF			C	0654	20	.5	
0123	KHAR	20	0950E	0952	1004D	S10	W90		07	13.6	14D	SN			V	0952			DL
0124	HTPR	20	1003	1025	1040	N10	W77	4544	07	14.6	37	SF			C	1025	10		

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0125		20	1112*	12278	1300	N10	W78	4544	07	14.6	108	SF						10		
	HTPR	20	1112	1227	1300	N10	W78	4544	07	14.6	108	SF				C	1227	10		
	HTPR	20	1220	1235	1300	N10	W78	4544	07	14.6	40	SF				C	1235	10		
0126		20	1321*	13294	1348	N10	W81	4544	07	14.5	27	SN						22		
	HTPR	20	1321	1329	1400	N10	W79	4544	07	14.6	39	SN				C	1329	20		
	RAMY	20	1332	1333	1336	N10	W83	4544	07	14.3	4	SF			3	C		24		
0127	HTPR	20	1432		1505D	N10	W79	4544	07	14.7	33D	SN				C	1446	20		
0128	RAMY	20	1612	1620	1646	N10	W84	4544	07	14.4	34	SF			3	C		10		
0129	HOLL	20	1840	1841	2018D	S07	E03	4545	07	21.0	98D	SF			3	C		34		F
		20	1901		1906	No Flare Patrol														
		20	1942		2016	No Flare Patrol														
0130	HOLL	20	2104	2105	2110	S07	E02	4545	07	21.0	6	SB			3	C		44		
0131	HOLL	20	2256	2301	2316D	S10	E05	4545	07	21.3	20D	SF			3	C		58		F
0132	HOLL	21	1859	1908	1918	S06	W07	4545	07	21.3	19	SF			3	C		33		F
0133	HOLL	21	2000	2003	2011	S07	W11	4545	07	21.0	11	SN			3	C		43		F
		21	2121		2224	No Flare Patrol														
0134	KHAR	22	0730E		0800D	N02	E90	4550	07	29.0	30D	SF				P				H
0135	BUCA	22	0805	0811	0811D	S06	W17	4545	07	21.1	6D	SF				P	0811	54	.6	D
0136	KHAR	22	0954E	0954	1002D	S18	E90	4549	07	29.3	8D	SN				V	0954			H
0137	KHAR	22	1125E	1130	1144D	N02	E90	4550	07	29.2	19D	SF				V	1130			H
		22	1541		1546	No Flare Patrol														
		22	1648		1701	No Flare Patrol														
0138		22	1723	17261	1745	S08	W22	4545	07	21.1	22	SF						41		F
	HOLL	22	1723	1726	1739	S07	W22	4545	07	21.1	16	SF			2	C		29		F
	PALE	22	1723	1727	1751	S08	W23	4545	07	21.0	28	SF			3	C		53		F
		22	2014		2045	No Flare Patrol														
		22	2054		2147	No Flare Patrol														
		23	0226		0231	No Flare Patrol														
		23	0242		0243	No Flare Patrol														
		23	0312		0414	No Flare Patrol														
		23	0418		0435	No Flare Patrol														
0139	KHAR	23	0942E		1005D	S06	W34	4545	07	20.8	23D	SN				P	0942	60	.8	CDO
0140	KHAR	23	1022E	1023	1034D	N02	E78	4550	07	29.2	12D	SF				V	1023			DH
		23	1406		1410	No Flare Patrol														
		23	1617		1621	No Flare Patrol														
0141		23	1824	1824	1834	S18	E64	4549	07	28.6	10	SF						25		F
	PALE	23	1824	1824	1834	S17	E63	4549	07	28.5	10	SF			3	C		25		
	HOLL	23	1824	1825U	1825D	S19	E64	4549	07	28.6	1D	SF			3	C		25		F
		23	2018		2037	No Flare Patrol														
		23	2043		2104	No Flare Patrol														
		23	2117		2119	No Flare Patrol														
		23	2158		2205	No Flare Patrol														
		23	2223		2232	No Flare Patrol														
		23	2244		2305	No Flare Patrol														
		23	2310		2331	No Flare Patrol														
		24	1945		1948	No Flare Patrol														

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		25	1539		1617	No Flare Patrol													
		25	1625		1742	No Flare Patrol													
		25	1751		1820	No Flare Patrol													
		26	2134		2229	No Flare Patrol													
		27	0422		0433	No Flare Patrol													
		27	0446		0502	No Flare Patrol													
0142		27	0900	09021	0910	S10	W88	4545	07	20.8	10	SF					30		AHO
	KHAR	27	0900E	0902	0912D	S06	W90	4545	07	20.6	12D	SF			P	0902	50		HO
	HTPR	27	0900	0903	0910	S14	W87	4545	07	20.8	10	SF			C	0903	10		A
0143	HTPR	27	1125	1135	1152	N12	E62		08	1.1	27	SF			C	1135	20	.4	
		27	2145		2203	No Flare Patrol													
0144	YUNN	28	0053	0058	0110	S06	W89		07	21.4	17	SB			C		16		G
0145	KHAR	28	0903E		0912D	S06	W90		07	21.6	9D	SF			V	0903			D
		28	1402		1409	No Flare Patrol													
		29	0931		1019	No Flare Patrol													
		29	1141		1154	No Flare Patrol													
0146	KHAR	30	0706E	0707	0720D	S17	E86	4552	08	5.8	14D	SF			V	0707	20		D
0147		30	08434	08452	0851	S16	W26	4549	07	28.4	8	SF					25	.3	
	WEND	30	0843	0845	0851	S16	W27	4549	07	28.3	8	SF			C	0845	25	.3	
	KANZ	30	0847	0847	0851	S17	W26	4549	07	28.4	4	SF		2					
0148	KHAR	30	0928E	0933	0948D	S17	E85	4552	08	5.8	20D	SF			V	0933	20		D
0149		30	1550	1551*	1621	S18	W29	4549	07	28.4	31	SN					90	1.2	F
	HOLL	30	1550	1551	1615	S17	W28	4549	07	28.5	25	SF		3	C		80		F
	KANZ	30	1550	1554	1618D	S19	W29	4549	07	28.4	28D	SN		2					
	WEND	30	1550	1601	1627	S18	W29	4549	07	28.4	37	SN			C	1601	100	1.2	
0150		30	17309	1731*	1750	S17	W30	4549	07	28.4	20	SN					89	1.2	FHK
	HOLL	30	1730	1731	1805	S16	W29	4549	07	28.5	35	SN		3	C		30		K
	HOLL	30	1730	1743	1805	S16	W29	4549	07	28.5	35	1N		3	C		203		FHK
	KANZ	30	1731	1731	1735	S16	W29	4549	07	28.5	4	SF		2					
	PALE	30	1731	1732	1736	S17	W30	4549	07	28.4	5	SF		3	C		29		
	WEND	30	1733		1750D	S19	W30	4549	07	28.4	17D	SN			C	1742	94	1.2	
	KANZ	30	1739	1743	1747D	S19	W31	4549	07	28.4	8D	1F		2					
		30	2031		2048	No Flare Patrol													
0151	KHAR	31	0642E		0706D	S18	E70	4552	08	5.6	24D	1F			P	0647	100		K
		31	2056		2132	No Flare Patrol													

"Remarks":

A = Eruptive prominence whose base is less than 90° from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the H and K lines of Ca II.
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.