Hα SOLAR FLARES

SEPTEMBER 1999

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0001	SVTO	01	0855	0857	0903	N21	W18	8675	08 31.0	8	SF		3	E		13		
0002	RAMY	01	1225	1226	1228	N19	W44	8681	08 29.2	3	SF		3	E		10		
0003	HOLL	01	1418	1423	1438	N22	W37	8681	08 29.8	20	SF		3	E		25		
0004		01	17392	17393	1747	N22	W22	8675	08 31.0	8	SF					20		F
	RAMY	01	1739	1739	1748	N22	W22	8675	08 31.0	9	SF		3	E		13		F
	HOLL	01	1741	1742	1746	N22	W21	8675	08 31.1	5	SF		3	E		27		F
0005		01	18572	18591	1926	S29	W76	8674	08 26.9	29	SF					42		
	RAMY	01	1857	1859	1908	S30	W77	8674	08 26.8	11	SF		3	E		35		
	HOLL	01	1859	1900	1945	S28	W75	8674	08 27.0	46	SF		3	E		49		
		01	2239		2311	No Flare Patrol												
		02	1006		1021	No Flare Patrol												
0006	KHAR	02	1119	1122	1130	N16	W51	8681	08 29.7	11	SF		2	V				DH
		02	1349		1355	No Flare Patrol												
0007		02	17421	17512	1858	N21	W34	8675	08 31.1	76	2F					206		
	HOLL	02	1742	1753	1908	N21	W34	8675	08 31.1	86	2F		3	E		269		
	RAMY	02	1743	1751	1849	N21	W34	8675	08 31.1	66	1F		3	E		143		
		02	2215		2328	No Flare Patrol												
		02	2347		2400	No Flare Patrol												
		03	0013		0203	No Flare Patrol												
		03	0326		0501	No Flare Patrol												
0008	KHAR	03	0940U	0953U	1002	S38	W85		08 27.6	22U	SN		2	V				
0009	KHAR	03	1215	1216	1225	N32	W90		08 27.5	10	SF		2	V				D
0010	HOLL	03	2005	2006	2018	N17	E03	8682	09 4.1	13	SF		3	E		19		
0011	HOLL	03	2047	2049	2102	N21	W50	8675	08 31.0	15	SF		3	E		46		
		03	2217		2225	No Flare Patrol												
		03	2247		2305	No Flare Patrol												
0012	HOLL	03	2335	2344U	2519D	S38	W26	8679	09 1.9	104D	1F		3	E		115		
		04	0107		0309	No Flare Patrol												
		04	0401		0447	No Flare Patrol												
0013	KHAR	04	0905	0906	0910	S29	W36	8686	09 1.5	5	SF		2	V				D
		04	1023		1029	No Flare Patrol												
0014	HOLL	05	0022	0022	0041	N09	W34	8687	09 2.5	19	SF		3	E		11		F
0015	SVTO	05	0533E	0534U	0619D	N17	W62	8681	08 31.5	46D	SF		2	E		18		F
		05	0956		0959	No Flare Patrol												
		05	1013		1031	No Flare Patrol												
0016		05	11262	11266	1138	N22	W86	8681	08 30.0	12	SN					32		D
	RAMY	05	1126	1126	1131	N22	W83	8681	08 30.2	5	SF		3	E		32		
	KHAR	05	1128	1132	1145	N22	W90	8681	08 29.7	17	SN		2	V				D
0017	RAMY	05	1238	1238	1245	S25	W59	8686	08 31.9	7	SF		3	E		17		
0018	RAMY	05	1318	1318	1323	S25	W59	8686	09 1.0	5	SF		3	E		23		
0019	RAMY	05	1354	1354	1403	S38	W64	8679	08 31.4	9	SF		3	E		15		
		05	2323		2400	No Flare Patrol												
		06	0000		0007	No Flare Patrol												
		06	0045		0508	No Flare Patrol												

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		06	0608		0649	No Flare Patrol													
0020		06	1209	1211	1218	N18	W36	8682	09	3.8	9	SF					11		F
	RAMY	06	1209	1211	1218	N17	W36	8682	09	3.8	9	SF		3	E		11		F
	KANZ	06	1211E		1216D	N18	W35	8682	09	3.8	5D	SF		2	C				
		06	2058		2116	No Flare Patrol													
		06	2204		2258	No Flare Patrol													
		07	0119		0325	No Flare Patrol													
0021	KANZ	07	1003	1003	1011	N16	W77	8687	09	1.6	8	SF		2	C				
0022	RAMY	07	1534	1536	1543	N17	W52	8682	09	3.7	9	SF		3	E		12		
		07	2147		2232	No Flare Patrol													
		07	2246		2309	No Flare Patrol													
0023	HOLL	07	2311	2311	2339	N13	E59	8690	09	12.4	28	SF		3	E		66		
0024	HOLL	07	2311	2311	2324	N17	W56	8682	09	3.7	13	SF		3	E		56		
0025	URUM	08	0522	0525	0545	N27	E28		09	10.4	23	SB			C		96	1.3	E
		08	1000		1024	No Flare Patrol													
		08	1026		1031	No Flare Patrol													
		08	2114		2236	No Flare Patrol													
0026	URUM	09	0017	0021	0037	N19	E04		09	9.3	20	SB			C		161	1.8	E
0027	KANZ	09	1131	1135	1143	S25	E48	8692	09	13.2	12	SF		2	C				
0028	SVTO	09	1615E	1623U	1633	S31	W55	8690	09	5.3	18D	SF		2	E		32		F
0029		09	16164	16281	1730	N13	E38	8690	09	12.5	74	SF					35		FS
	HOLL	09	1616	1629	1747	N13	E37	8690	09	12.5	91	SF		3	E		49		S
	RAMY	09	1620	1628	1713	N13	E39	8690	09	12.6	53	SF		3	E		21		FS
0030		09	1718	17181	1722	S24	E48	8692	09	13.4	4	SF					30		
	RAMY	09	1718	1718	1721	S24	E48	8692	09	13.4	3	SF		3	E		19		
	HOLL	09	1718	1719	1723	S25	E49	8692	09	13.5	5	SF		3	E		41		
		09	1909		1928	No Flare Patrol													
		09	1933		2055	No Flare Patrol													
		09	2126		2150	No Flare Patrol													
		09	2246		2252	No Flare Patrol													
0031	KANZ	10	0628	0628	0640	N12	E51	8693	09	14.1	12	SF		2	C				
0032	SVTO	10	0853	0853	0859	S27	E45	8692	09	13.9	6	SF		3	E		12		
0033		10	09151	09164	0924	S28	E44	8692	09	13.8	9	SF					15		
	SVTO	10	0915	0920	0924	S28	E45	8692	09	13.9	9	SF		3	E		15		
	KANZ	10	0916	0916	0924	S29	E44	8692	09	13.8	8	SF		2	C				
0034	KANZ	10	1036	1036	1036	S29	E37	8692	09	13.3	8	SF		2	C				
0035		10	11151	11151	1120	S28	E44	8692	09	13.9	5	SF					16		
	SVTO	10	1115	1115	1119	S28	E44	8692	09	13.9	4	SF		3	E		16		
	KANZ	10	1116	1116	1120	S28	E45	8692	09	14.0	4	SF		2	C				
0036		10	11441	11442	1148	S25	E36	8692	09	13.3	4	SF					13		H
	KANZ	10	1144	1144	1148	S25	E37	8692	09	13.3	4	SF		2	C				
	SVTO	10	1145	1146	1149	S25	E35	8692	09	13.2	4	SF		3	E		13		H
0037	HOLL	10	1911	1913	1916	S27	E41	8692	09	14.0	5	SF		3	E		13		
		10	2006		2012	No Flare Patrol													
		10	2117		2241	No Flare Patrol													

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0038	HOLL	10	2241	2244	2256	S26	E38	8692	09 13.9	15	SF		3	E		13		F
0039	HOLL	10	2242	2244	2328	N14	E21	8690	09 12.5	46	SF		3	E		40		F
		11	0034		0037	No Flare Patrol												
		11	0119		0238	No Flare Patrol												
0040	KANZ	11	1324	1328	1332	S27	E27	8692	09 13.7	8	SF		2	C				
0041	KANZ	11	1444	1444	1508	N15	E32	8693	09 14.0	24	SF		2	C				
0042	HOLL	11	1947	1952	2000	N23	E31	8699	09 14.2	13	SF		3	E		20		H
0043	HOLL	11	2111	2215	2229	N23	E29	8699	09 14.1	78	SF		3	E		20		
0044	HOLL	11	2234	2240	2251	N13	E07	8690	09 12.5	17	SF		3	E		19		
0045	HOLL	11	2235	2244	2251	N22	E28	8699	09 14.1	16	SF		3	E		20		
0046	HOLL	11	2301	2305	2307	N22	E28	8699	09 14.1	6	SF		3	E		18		
0047	HOLL	11	2333	2342	2346	N23	E28	8699	09 14.1	13	SF		3	E		16		
0048	HOLL	11	2351	2404	2408	N23	E28	8699	09 14.1	17	SF		3	E		15		
0049	KANZ	12	0622E		0630	N22	E26	8699	09 14.3	8D	SF		2	C				
0050	KANZ	12	0630	0647	0659	N21	E23	8699	09 14.0	29	SF		2	C				
0051	KANZ	12	0651	0651	0659	N13	E03	8690	09 12.5	8	SF		2	C				
0052	KANZ	12	0837	0841	0853	N22	E24	8699	09 14.2	16	SF		2	C				
0053	RAMY	12	1205	1205	1218	N21	E21	8699	09 14.1	13	SF		3	E		10		
0054	HOLL	12	1348	1350	1354	N22	E20	8699	09 14.1	6	SF		3	E		26		
0055	HOLL	12	1417	1430	1457	N22	E21	8699	09 14.2	40	SF		3	E		26		
0056	HOLL	12	1509	1514	1528	N22	E19	8699	09 14.1	19	SF		3	E		23		
0057		12	17001	1702	1708	N22	E20	8699	09 14.2	8	SF					20		F
	HOLL	12	1700	1702	1708	N23	E19	8699	09 14.2	8	SF		3	E		25		F
	RAMY	12	1701	1702	1707	N21	E20	8699	09 14.2	6	SF		3	E		14		
0058	HOLL	12	1810	1810	1818	S27	E16	8692	09 14.0	8	SF		3	E		13		
0059	HOLL	12	1825	1826	1837	S27	E16	8692	09 14.0	12	SF		3	E		17		
0060	KANZ	13	0707	0711	0731	N24	E15	8699	09 14.4	24	SF		2	C				
0061	KANZ	13	0811	0835	0927	N23	E16	8699	09 14.6	76	1F		2	C				
0062	RAMY	13	1633	1634	1639	N15	W17	8690	09 12.4	6	SF		3	E		16		
0063	HOLL	13	1638E	1644	1759	N15	E06	8693	09 14.1	81D	1N		3	E		199		U
0064	HOLL	13	1735	1737	1740	N17	E75	8700	09 19.4	5	SF		3	E		14		
		13	1813		1936	No Flare Patrol												
		13	1948		2039	No Flare Patrol												
		13	2048		2119	No Flare Patrol												
0065	HOLL	13	2242	2246	2303	N21	E03	8699	09 14.2	21	SF		3	E		25		
0066	URUM	14	0128	0132	0144	N15	W21	8690	09 12.5	16	SF			C		64	0.7	E
0067	KANZ	14	0630	0638	0642	N22	W06	8699	09 13.8	12	SF		2	C				

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0068	KANZ	14	0634	0642	0650	N11	W02	8693	09	14.1	16	SF		2	C				
0069	KANZ	14	1202	1202	1234	S21	W38		09	11.6	32	SF		2	C				
0070	KANZ	14	1318	1322	1330	N13	W32	8690	09	12.1	12	SF		2	C				
0071		14	13584	13585	1419	N12	W29	8690	09	12.4	21	SF					57		F
	SVTO	14	1358E	1358	1419	N11	W30	8690	09	12.3	21D	SF		3	E		50		F
	KANZ	14	1358	1402	1414	N12	W30	8690	09	12.3	16	SF		2	C				
	HOLL	14	1402	1403	1424	N13	W28	8690	09	12.5	22	SF		3	E		64		
0072		14	14331	1434	1438	N15	E64	8700	09	19.4	5	SF					21		
	SVTO	14	1433	1434	1439	N16	E64	8700	09	19.5	6	SF		3	E		21		
	KANZ	14	1434	1434	1438	N14	E65	8700	09	19.5	4	SF		2	C				
0073		14	16043	16052	1610	N20	W04	8699	09	14.4	6	SF					21		
	HOLL	14	1604	1605	1610	N20	W04	8699	09	14.4	6	SF		3	E		21		
	KANZ	14	1607	1607	1611	N21	W03	8699	09	14.4	4	SF		2	C				
0074	URUM	15	0229	0233	0249	N19	W59		09	10.6	20	1N			C		113	2.4	D
0075	URUM	15	0415	0419	0435	N14	W41	8690	09	12.1	20	SN			C		113	1.5	E
0076	URUM	15	0435E	0435	0444	N14	W17	8693	09	13.9	9D	SN			P		129	1.4	E
0077	KANZ	15	0717	0717	0721	N19	W13	8699	09	14.3	4	SF		2	C				
0078	KANZ	15	0745	0745	0749	S23	W23	8692	09	13.5	4	SF		2	C				
0079	KANZ	15	1025	1025	1029	S31	W17	8692	09	14.1	4	SF		2	C				
0080	KANZ	15	1137	1137	1141	N13	W45	8690	09	12.1	4	SF		2	C				
0081		15	1157	1157	1210	N10	E46	8700	09	18.9	13	SF					44		
	KANZ	15	1157	1157	1213	N09	E46	8700	09	18.9	16	SF		2	C				
	SVTO	15	1200E	1200U	1208	N11	E45	8700	09	18.9	8D	SF		3	E		44		
0082	KANZ	15	1217	1221	1225	N13	W45	8690	09	12.1	8	SF		2	C				
0083		15	13337	13379	1404	N10	E48	8700	09	19.2	31	SF					16		
	KANZ	15	1333	1337	1413	N10	E48	8700	09	19.2	40	SF		2	C				
	RAMY	15	1340	1346	1356	N11	E48	8700	09	19.2	16	SF		3	E		16		
0084	SVTO	15	1352E	1353	1357	N13	E44	8700	09	18.9	5D	SF		3	E		18		
		15	1732		1807	No Flare Patrol													
		15	1846		1854	No Flare Patrol													
0085	HOLL	15	1929	2016	2027	N13	E46	8700	09	19.3	58	SF		3	E		24		FH
0086	HOLL	15	2103	2103	2108	N15	E48	8700	09	19.5	5	SF		3	E		12		
0087	HOLL	15	2105	2108	2111	N22	W20	8699	09	14.3	6	SF		3	E		20		
0088	HOLL	15	2136	2137	2306	N14	E48	8700	09	19.5	90	SF		3	E		89		F
0089	HOLL	15	2219	2219	2232	S31	W26	8692	09	13.9	13	SF		3	E		25		F
0090	LEAR	16	0131	0131	0139	N22	W26	8699	09	14.1	8	SF		3	E		23		F
0091	URUM	16	0227	0228	0242	N17	W23	8699	09	14.3	15	SN			C		96	1.1	E
0092	LEAR	16	0325	0330	0346	N13	E46	8700	09	19.6	21	SF		3	E		79		
0093	URUM	16	0350E	0350	0355	S26	W27	8692	09	14.1	5D	SF			P		80	1.1	E
0094	URUM	16	0511E	0511	0546	N37	E36		09	19.1	35D	1B			P		273	4.3	E
0095	LEAR	16	0534	0534	0541	N22	W28	8699	09	14.1	7	SF		3	E		19		

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0096	URUM	16	0657	0701	0705	N24	W67		09 11.1	8	SF			C		64		E
0097	URUM	16	0841E	0841	0850	N22	W28	8699	09 14.2	9D	SB			P		145	1.7	E
0098	LEAR	16	0845	0847	0923	N24	W35	8234	09 13.7	38	4B		4	E				
		16	0957		1039	No Flare Patrol												
0099	KANZ	16	1107E	1107U	1111	N11	E37	8700	09 19.2	4D	SF		2	C				
0100	KANZ	16	1107E	1107U	1115	S29	W32	8692	09 13.9	8D	SF		2	C				
0101	KANZ	16	1131	1135	1143	N11	E37	8700	09 19.3	12	SF		2	C				
0102	RAMY	16	1304	1305	1313	S26	W35	8692	09 13.8	9	SF		3	E		17		
		16	1732		2023	No Flare Patrol												
		16	2030		2215	No Flare Patrol												
0103	HOLL	16	2218E	2220	2227	S25	W46	8692	09 13.4	9D	SF		3	E		84		
		16	2231		2255	No Flare Patrol												
		16	2320		2328	No Flare Patrol												
0104		17	01105	01172	0138	N13	W63	8690	09 12.3	28	1N					146	4.4	EF
	URUM	17	0110	0117	0145	N12	W62	8690	09 12.4	35	1B			C		209	4.4	E
	LEAR	17	0115	0119	0130	N14	W64	8690	09 12.2	15	SF		3	E		84		F
0105		17	0508	0523	0531	N12	E28	8700	09 19.3	23	SN					39	0.7	D
	URUM	17	0508	0523	0535	N11	E27	8700	09 19.2	27	SN			C		64	0.7	D
	LEAR	17	0512E	0513U	0527	N14	E29	8700	09 19.4	15D	SF		3	E		14		
		17	1009		1042	No Flare Patrol												
		17	1105		1128	No Flare Patrol												
0106	RAMY	17	1130	1138	1142	N19	W80		09 11.4	12	SF		3	E		21		H
0107	RAMY	17	1150	1204	1232	N18	W81		09 11.3	42	SF		3	E		64		FH
		17	1154		1159	No Flare Patrol												
		17	1223		1229	No Flare Patrol												
0108	RAMY	17	1317	1318	1321	N18	W83		09 11.2	4	SF		3	E		17		H
0109	RAMY	17	1354	1356	1414	N11	E24	8700	09 19.4	20	SF		3	E		29		F
0110	RAMY	17	1552	1600	1612	N13	W70	8690	09 12.4	20	SF		3	E		22		
0111	RAMY	17	1648	1650	1653	N19	W82		09 11.4	5	SF		3	E		11		FH
0112	RAMY	17	1737	1738	1744	N21	W82		09 11.4	7	SF		3	E		48		H
0113	RAMY	17	1744	1747	1750	N12	W72	8690	09 12.3	6	SF		3	E		37		FH
0114	RAMY	17	1755	1803	1827	S27	W50	8692	09 13.8	32	SF		3	E		75		F
0115	RAMY	17	1953	1956	2001	N25	W45	8699	09 14.3	8	SF		3	E		35		FH
		17	2044		2054	No Flare Patrol												
		17	2113		2116	No Flare Patrol												
0116	HOLL	17	2205	2214	2303	N14	E19	8700	09 19.3	58	2F		3	E		298		F
		17	2304		2331	No Flare Patrol												
0117	HOLL	18	0007E	0007	0013	N12	E19	8700	09 19.4	6D	SF		3	E		14		
		18	0103		0108	No Flare Patrol												

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0118	URUM	18	0246	0250	0300	N25	W48	8699	09 14.4	14	SN			C		48	0.8	D
0119	LEAR	18	0439	0443	0450	N11	E17	8700	09 19.5	11	SF		3	E		18		F
0120	LEAR	18	0443	0443	0447	N25	W51	8699	09 14.2	4	SF		3	E		26		
0121		18	0625	0625	0628	N12	E14	8700	09 19.3	3	SF					16		F
	LEAR	18	0625	0625	0628	N11	E15	8700	09 19.4	3	SF		3	E		19		F
	SVTO	18	0625	0626U	0639D	N14	E14	8700	09 19.3	14D	SF		3	E		14		
0122	SVTO	18	0916	0920	0923	N25	W52	8699	09 14.3	7	SF		3	E		25		H
0123	RAMY	18	1132	1133	1141	N25	W52	8699	09 14.4	9	SF		3	E		39		
0124	HOLL	18	1414	1421	1459	N11	E12	8700	09 19.5	45	SF		3	E		41		
0125		18	1820	1822	1826	N24	W56	8699	09 14.4	6	SF					54		H
	RAMY	18	1820	1822	1825	N24	W55	8699	09 14.5	5	SF		3	E		33		H
	HOLL	18	1820	1822	1827	N24	W58	8699	09 14.3	7	SF		3	E		74		
0126		18	19302	19313	1940	N13	E08	8700	09 19.4	10	SF					20		F
	HOLL	18	1930	1931	1943	N14	E07	8700	09 19.3	13	SF		3	E		24		
	RAMY	18	1932	1934	1938	N12	E09	8700	09 19.5	6	SF		3	E		17		F
0127		18	2115*	2137*	2154	N14	E06	8700	09 19.3	39	SF					40		
	HOLL	18	2115	2137	2149	N14	E06	8700	09 19.3	34	SF		3	E		52		
	HOLL	18	2151	2156	2200	N14	E06	8700	09 19.4	9	SF		3	E		28		
		18	2228		2242	No Flare Patrol												
0128	URUM	19	0219	0222	0230	N25	W59	8699	09 14.5	11	1N			C		113	2.3	E
0129	LEAR	19	0312	0316	0324	N14	E03	8700	09 19.4	12	SF		4	E		33		F
0130	LEAR	19	0451	0451	0455	N11	E04	8700	09 19.5	4	SF		3	E		15		
0131	URUM	19	0534	0538	0541	N23	W67	8699	09 14.1	7	SN			C		32		D
0132		19	06451	06451	0651	N23	W66	8699	09 14.2	6	SF					28		
	SVTO	19	0645	0645	0652	N22	W67	8699	09 14.1	7	SF		3	E		39		
	LEAR	19	0646	0646	0650	N23	W67	8699	09 14.1	4	SF		3	E		16		
	KANZ	19	0649E		0649D	N23	W64	8699	09 14.3	4D	SF		2	C				
0133	RAMY	19	1116E	1116U	1135D	N21	W68	8699	09 14.2	19D	SF		3	E		21		
0134	RAMY	19	1225	1227	1230	S26	W75	8692	09 13.7	5	SF		3	E		41		
0135	RAMY	19	1322	1324	1326	S30	W71	8692	09 14.0	4	SF		3	E		25		
0136		19	1409	1411	1416	S30	W75	8692	09 13.7	7	SF					44		
	SVTO	19	1409	1411	1415	S30	W77	8692	09 13.5	6	SF		3	E		42		
	RAMY	19	1409	1411	1416	S30	W73	8692	09 13.8	7	SF		3	E		47		
0137		19	14163	14336	1511	N21	W70	8699	09 14.2	55	SF					73		FS
	RAMY	19	1416	1435	1526	N20	W70	8699	09 14.2	70	SF		3	E		81		FS
	HOLL	19	1418	1439	1503	N21	W71	8699	09 14.1	45	SF		3	E		74		
	SVTO	19	1419	1433	1503	N22	W70	8699	09 14.2	44	SF		3	E		64		F
		19	2217		2257	No Flare Patrol												
0138		19	2306	2308	2320	N22	W76	8699	09 14.1	14	1F					98		F
	HOLL	19	2306	2308	2321	N21	W76	8699	09 14.1	15	1F		3	E		141		
	LEAR	19	2309E	2309U	2319	N23	W76	8699	09 14.1	10D	SF		2	E		54		F
		20	0036		0042	No Flare Patrol												
		20	0047		0101	No Flare Patrol												
0139	URUM	20	0303	0307	0342	N10	W09	8700	09 19.4	39	1N			C		209	2.2	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0140	URUM	20	0430E	0430	0452	N16	E00	8700	09 20.2	22D	SN			P		96	1.0	E
0141	KHAR	20	1040	1040	1045	N26	E69	8706	09 25.8	5	SF		2	V				DH
0142	HOLL	20	1310E	1310U	1355D	N12	E44	8700	09 23.9	45D	SF		2	E		68		F
0143	SVTO	20	1310	1325	1340	N11	W13	8700	09 19.6	30	SF		3	E		55		F
0144	HOLL	20	2033	2034	2036	N12	W21	8700	09 19.3	3	SF		3	E		14		
0145	HOLL	20	2057	2058	2101	N11	W19	8700	09 19.4	4	SF		3	E		19		
		20	2206		2225	No Flare Patrol												
		20	2246		2306	No Flare Patrol												
		20	2313		2315	No Flare Patrol												
		21	0051		0138	No Flare Patrol												
0146	LEAR	21	0344E	0349U	0356	N20	E61	8706	09 25.8	12D	SF		3	E		39		F
0147	LEAR	21	0405	0409	0411	N20	E61	8706	09 25.8	6	SF		3	E		22		
0148	SVTO	21	0719	0719	0723	S23	E28	8704	09 23.5	4	SF		3	E		17		
		21	0940		0945	No Flare Patrol												
		21	1041		1048	No Flare Patrol												
		21	1554		1622	No Flare Patrol												
		21	1629		1639	No Flare Patrol												
		21	1644		1649	No Flare Patrol												
		21	1949		1958	No Flare Patrol												
		21	2002		2015	No Flare Patrol												
		21	2059		2126	No Flare Patrol												
		21	2132		2150	No Flare Patrol												
		21	2208		2244	No Flare Patrol												
0149	URUM	22	0411E	0411	0411D	N18	E46	8706	09 25.7	4D	SN			P		129	1.9	E
0150		22	07062	07082	0718	N10	W43	8700	09 19.1	12	SF					20		F
	SVTO	22	0706	0708	0721	N10	W44	8700	09 19.0	15	SF		3	E		26		F
	KANZ	22	0706	0710	0722	N11	W41	8700	09 19.2	16	SF		2	C				
	LEAR	22	0708	0710	0712	N09	W43	8700	09 19.1	4	SF		3	E		13		
0151		22	07304	0734	0739	N10	W38	8700	09 19.4	9	SF					33		F
	KANZ	22	0730	0734	0738	N10	W37	8700	09 19.5	8	SF		2	C				
	SVTO	22	0734	0734	0740	N10	W39	8700	09 19.4	6	SF		3	E		33		F
0152	KANZ	22	0830	0830	0834	N17	E45	8706	09 25.8	4	SF		2	C				
0153	SVTO	22	0907	0911	0919	S08	E61	8708	09 26.9	12	SF		2	E		30		
0154	KANZ	22	0910	0910	0918	S08	W63		09 17.6	8	SF		2	C				
0155		22	09313	0938	0946	S08	E62	8708	09 27.0	15	SF					28		
	SVTO	22	0931	0945U	1014D	S08	E60	8708	09 26.9	43D	SF		3	E		28		
	KANZ	22	0934	0938	0946	S09	E63	8708	09 27.1	12	SF		2	C				
0156	KANZ	22	1002	1006	1014	S09	E63	8708	09 27.1	12	SF		2	C				
0157	SVTO	22	1022	1030	1051	S09	E60	8708	09 26.9	29	SF		3	E		33		F
0158	RAMY	22	1229	1231	1233	S09	E61	8708	09 27.1	4	SF		3	E		11		
0159	RAMY	22	1301	1301	1306	S09	E61	8708	09 27.1	5	SF		3	E		23		
0160		22	13301	13342	1428	N18	E39	8706	09 25.5	58	1F					182		FSZ
	RAMY	22	1330	1334	1430	N17	E39	8706	09 25.5	60	1F		3	E		194		FS
	HOLL	22	1331	1334	1423	N19	E40	8706	09 25.6	52	1F		3	E		174		
	SVTO	22	1331	1336	1430	N18	E39	8706	09 25.5	59	1N		3	E		178		ZF
0161	HOLL	22	1354	1357	1400	S10	E62	8708	09 27.2	6	SF		3	E		16		

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0162	SVTO	22	1532	1532	1539	N09	W44	8700	09	19.3	7	SF		3	E		15		F
0163	RAMY	22	1716	1716	1720	N10	W45	8700	09	19.3	4	SF		3	E		13		
0164	URUM	23	0527	0535	0544	N09	W50	8700	09	19.5	17	SN			C		64	1.0	D
0165	KANZ	23	0716	0716	0720	N21	E42	8706	09	26.5	4	SF		2	C				
0166	URUM	23	0910	0914	0917	N11	W52	8700	09	19.5	7	SN			C		80	1.3	E
0167	RAMY	23	1232	1234	1237	N11	W56	8700	09	19.3	5	SF		3	E		12		
0168		23	1428	14291	1433	N12	W57	8700	09	19.3	5	SF					12		
	SVTO	23	1428	1429	1432	N14	W56	8700	09	19.4	4	SF		3	E		13		
	RAMY	23	1428	1430	1434	N11	W58	8700	09	19.2	6	SF		3	E		10		
		23	1739		1844	No Flare Patrol													
		23	1923		2311	No Flare Patrol													
		23	2318		2341	No Flare Patrol													
0169	URUM	24	0143	0146	0146D	N16	E46		09	27.6	3D	SN			P		96	1.5	E
0170	KANZ	24	1016	1016	1024	N21	E28	8706	09	26.6	8	SF		2	C				
0171	SVTO	24	1506	1510	1519	N17	E17	8706	09	25.9	13	SF		3	E		19		F
0172	HOLL	24	2016	2018	2022	N18	E15	8706	09	26.0	6	SF		3	E		42		
		25	0016		0023	No Flare Patrol													
0173	URUM	25	0152	0156	0205	N22	E27		09	27.1	13	SN			C		129	1.6	E
0174	URUM	25	0256E	0256	0300	S15	W49		09	21.4	4D	SF			P		80	1.3	E
0175	URUM	25	0300	0308	0320	N22	E28		09	27.3	20	SN			C		161	2.0	E
0176	URUM	25	0335	0340	0400	N16	E19		09	26.6	25	SN			C		113	1.3	E
0177	KANZ	25	1322	1322	1326	N14	W78	8700	09	19.7	4	SF		2	C				
0178	URUM	26	0323	0335	0347	N37	W58		09	21.5	24	1B			C		96		E
0179	URUM	26	0423	0427	0446	N38	W56		09	21.6	23	2N			C		241	5.8	E
0180	URUM	26	0445	0449	0505	N13	W72		09	20.8	20	SF			C		48		D
0181	URUM	26	0454	0502	0530	S13	W05		09	25.8	36	SB			C		161	1.7	E
0182	URUM	26	0505	0513	0527	N25	E02	8711	09	26.4	22	2B			C		804	9.0	E
0183	URUM	26	0537E	0543	0552	N23	E02	8711	09	26.4	15D	SN			P		129	1.4	E
0184	SVTO	27	0906	0908	0917	S20	W56	8704	09	23.1	11	SF		3	E		17		
0185	SVTO	27	0955	0956	1000	N22	W18	8706	09	26.0	5	SF		3	E		14		
0186	HOLL	27	2340	2340	2353	N18	W03		09	27.7	13	SF		3	E		21		
		28	1038		1122	No Flare Patrol													
		29	0119		0245	No Flare Patrol													
0187		29	12462	1250	1257	S16	E66	8713	10	4.5	11	SF					25		F
	KANZ	29	1246	1250	1258	S16	E68	8713	10	4.7	12	SF		2	C				
	SVTO	29	1248	1250	1256	S17	E64	8713	10	4.4	8	SF		3	E		25		F
0188	HOLL	29	2016	2016	2023	N24	E40	8710	10	2.9	7	SF		3	E		20		H
0189	URUM	30	0447	0451	0503	S26	E28		10	2.4	16	SN			C		113	1.5	E

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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	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0190	URUM	30	0610E	0610	0618	S17	W01	8712	09	30.2	8D	SN			P		96	1.1	E
0191	URUM	30	0638	0646	0650	S15	E04	8712	09	30.6	12	1B			C		402	4.4	E
		30	1500		1602	No Flare Patrol													
		30	1616		1644	No Flare Patrol													
0192	HOLL	30	1822	1823	1827	N15	E66	8714	10	5.8	5	SF		3	E		23		
		30	1913		2005	No Flare Patrol													
		30	2009		2129	No Flare Patrol													

"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 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.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual