Hα SOLAR FLARES

JULY 1999

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	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	HOLL	01	0001	0002	0008	N25	W54	8598	06	26.9	7	SF		3	E		13		
0002	HOLL	01	0004	0004	0009	S16	W12	8603	06	30.1	5	SF		3	E		15		
0003	LEAR	01	0014	0022	0036	S26	E19	8611	07	2.5	22	SF		3	E		24		
0004	LEAR	01	0037	0110	0131	S26	E19	8611	07	2.5	54	SF		3	E		53		F
0005		01	01031	01045	0120	N20	W18	8602	06	29.8	17	SF					18		
	LEAR	01	0103	0104	0122	N19	W17	8602	06	29.8	19	SF		3	E		17		
	HOLL	01	0104	0109	0119	N20	W20	8602	06	29.6	15	SF		3	E		18		
0006	LEAR	01	0142	0146	0212	S15	W16	8603	06	29.9	30	SF		3	E		94		
0007	LEAR	01	0211	0220	0255	N13	W24	8610	06	29.4	44	SF		3	E		31		F
0008	LEAR	01	0300	0309	0328	S25	E19	8611	07	2.6	28	SF		3	E		23		
0009	LEAR	01	0419	0421	0425	S27	E17	8611	07	2.5	6	SF		3	E		16		
0010	LEAR	01	0535	0537	0551	N15	W21	8602	06	29.7	16	SF		3	E		19		F
0011	SVTO	01	0640	0706	0725	S25	E15	8611	07	2.4	45	SF		3	E		29		
0012		01	0706	07091	0724	N20	W62	8596	06	26.6	18	SN					50		EF
	LEAR	01	0706	0709	0726	N21	W62	8596	06	26.6	20	SN		3	E		67		E
	SVTO	01	0706	0710	0721	N20	W62	8596	06	26.6	15	SF		3	E		32		F
0013	SVTO	01	0802	0807	0817	S25	E16	8611	07	2.6	15	SF		3	E		14		
0014		01	0809E	08102	0818	N17	E66	8613	07	6.3	9D	SF					40		H
	LEAR	01	0809E	0810	0819	N17	E66	8613	07	6.3	10D	SF		3	E		49		H
	SVTO	01	0812E	0812	0818	N17	E66	8613	07	6.3	6D	SF		3	E		32		H
0015	SVTO	01	0823	0829	0838	S27	E17	8611	07	2.7	15	SF		3	E		26		F
0016	LEAR	01	0843	0854	0919	S27	E14	8611	07	2.4	36	SF		3	E		37		
0017	LEAR	01	0839	0840	0844	S17	W17	8603	06	30.1	5	SF		3	E		17		
0018		01	08497	08573	0906	S15	W22	8612	06	29.8	17	SF					16		
	LEAR	01	0849	0857	0907	S15	W21	8612	06	29.9	18	SF		3	E		17		
	SVTO	01	0856	0900	0904	S15	W23	8612	06	29.7	8	SF		3	E		16		
0019	SVTO	01	1014	1014	1021	S26	E15	8611	07	2.6	7	SF		3	E		11		
0020	SVTO	01	1024	1027	1037	S27	E16	8611	07	2.7	13	SF		3	E		19		
0021	SVTO	01	1057	1057	1109	S15	W22	8603	06	29.9	12	SF		3	E		27		
0022	SVTO	01	1246	1251	1258	S26	E14	8611	07	2.6	12	SF		3	E		17		
0023	HOLL	01	1257	1259	1303	S15	W23	8603	06	29.9	6	SF		3	E		15		
0024		01	13054	13101	1322	N20	W66	8596	06	26.6	17	SF					41		
	HOLL	01	1305	1310	1324	N20	W65	8596	06	26.7	19	SF		3	E		56		
	SVTO	01	1309	1311	1319	N21	W67	8596	06	26.5	10	SF		3	E		26		
0025		01	1345	13462	1418	S14	W18	8603	06	30.2	33	1N					134		F
	SVTO	01	1345	1346	1416	S14	W19	8603	06	30.1	31	SF		3	E		70		F
	HOLL	01	1345	1348	1420	S14	W16	8603	06	30.4	35	1N		3	E		199		F
0026	SVTO	01	1524	1526	1529	S15	W16	8603	06	30.4	5	SF		3	E		35		
0027		01	1528	1532	1610	N12	W34	8610	06	29.2	42	1F					132		U
	SVTO	01	1528	1532	1610	N12	W34	8610	06	29.2	42	1F		3	E		110		U
	HOLL	01	1539E	1539U	1609	N12	W34	8610	06	29.2	30D	1F		3	E		155		U
0028	SVTO	01	1549	1549	1552	S15	W23	8603	06	30.0	3	SF		3	E		18		

JULY 1999

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
0029	SVTO	01	1619	1621	1627	N20	W64	8592	06	26.9	8	SF		3	E		10		
0030	SVTO	01	1719E	1748U	1753D	S14	W19	8603	06	30.3	34D	SF		3	E		14		
0031	HOLL	01	1732	1743	1815	S25	E12	8611	07	2.7	43	SF		3	E		95		F
0032	HOLL	01	1818	1820	1828	S16	W21	8603	06	30.2	10	SF		3	E		31		
0033	HOLL	01	1902	1907	1913	S25	E14	8611	07	2.9	11	SF		3	E		27		
0034	HOLL	01	1914	1918	1920	S25	E09	8611	07	2.5	6	SF		3	E		12		
0035	HOLL	01	1926	1927	1946	S15	W25	8603	06	30.0	20	SF		3	E		18		
0036	HOLL	01	2028	2040	2127	S25	E12	8611	07	2.8	59	SF		3	E		52		F
0037	HOLL	01	2055	2055	2100	N16	W34	8602	06	29.4	5	SF		3	E		15		
0038	HOLL	01	2139	2145	2158	N24	W67	8598	06	26.8	19	1F		3	E		118		EH
0039	HOLL	01	2325	2329	2356	S15	W27	8603	06	30.0	31	1N		3	E		204		E
0040	LEAR	01	2333E	2334U	2336	S15	W20	8603	06	30.5	3D	SF		1	E		18		
0041	HOLL	01	2353	2401	2406	S24	E06	8611	07	2.4	13	SF		3	E		14		
0042	LEAR	02	0113	0126	0139	N21	W72	8592	06	26.6	26	SF		3	E		42		
0043	LEAR	02	0121	0122	0136	N19	E59	8614	07	6.5	15	SF		3	E		15		
0044		02	01324	01373	0232	S26	E06	8611	07	2.5	60	1B					260	0.3	D
	LEAR	02	0132	0137	0322	S27	E05	8611	07	2.4	110	1B		3	E		239		
	MITK	02	0136	0140	0143	S25	E07	8611	07	2.6	7	SN			C	0140	280	0.3	D
0045	LEAR	02	0320	0322	0334	N17	W37	8602	06	29.4	14	SF		3	E		61		
0046	LEAR	02	0344	0345	0420	N18	E44	8613	07	5.5	36	SF		3	E		50		
0047		02	0445	0512*	0542	N18	W35	8602	06	29.6	57	SF					64		F
	SVTO	02	0445	0512	0548	N19	W35	8602	06	29.6	63	SF		3	E		68		F
	LEAR	02	0445	0512	0548	N18	W36	8602	06	29.5	63	SF		3	E		59		
	KANZ	02	0518E	0522	0530	N18	W33	8602	06	29.8	12D	SF		2	C				
0048	LEAR	02	0452	0455	0458	N20	E57	8613	07	6.6	6	SF		3	E		18		
0049	LEAR	02	0503	0504	0509	N18	E44	8613	07	5.6	6	SF		3	E		12		
0050	LEAR	02	0717	0722	0730	S15	W24	8603	06	30.5	13	SN		3	E		99		
0051		02	07193	07211	0730	S16	W32	8603	06	30.0	11	SF					31		
	SVTO	02	0719	0721	0730	S15	W33	8603	06	29.9	11	SF		3	E		31		
	KANZ	02	0722	0722	0730	S16	W32	8603	06	30.0	8	SF		2	C				
0052		02	07461	07491	0752	N18	W36	8602	06	29.7	6	SF					24		
	KANZ	02	0746	0750	0754	N18	W34	8602	06	29.8	8	SF		2	C				
	LEAR	02	0747	0749	0751	N17	W39	8602	06	29.5	4	SF		3	E		24		
0053	LEAR	02	0752	0759	0803	N17	W39	8602	06	29.5	11	SF		3	E		34		
0054		02	08291	08301	0836	S26	E09	8611	07	3.0	7	SF					28		H
	LEAR	02	0829	0830	0837	S26	E09	8611	07	3.0	8	SF		3	E		33		H
	SVTO	02	0830	0831	0835	S26	E09	8611	07	3.0	5	SF		3	E		23		H
0055	SVTO	02	0900	0900	0910	S15	W33	8603	06	30.0	10	SF		3	E		12		
0056	LEAR	02	0901	0901	0908	S15	W25	8603	06	30.5	7	SF		3	E		12		
0057	KHAR	02	1005		1025	N09	W46	8610	06	29.1	20	SF		2	V				E

Hα SOLAR FLARES

JULY 1999

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
0058	KHAR	02	1040		1050	S19	W29	8603	06	30.2	10	SF		2	V				DH
0059	KHAR	02	1050	1107U	1120D	N10	W44	8610	06	29.2	30D	SN		2	V				
0060	KHAR	02	1108		1114	N17	W42	8602	06	29.4	6	SF		2	V				
0061	KHAR	02	1111		1120D	N22	E70	8620	07	7.8	9D	SF		2	V				
0062	KANZ	02	1125E		1125D	N18	E79	8620	07	8.5	9D	SF		2	C				
0063		02	1136	1137*	1239	N15	W37	8602	06	29.8	63	SF					73		EFHK
	KHAR	02	1134E	1137	1200D	N15	W33	8602	06	30.0	26D	1N		2	V				HKE
	SVTO	02	1136	1152	1239	N15	W39	8602	06	29.6	63	SF		3	E		73		F
	KANZ	02	1212E		1232D	N15	W38	8602	06	29.7	20D	SF		2	C				
0064	SVTO	02	1516	1521	1610	S27	E01	8611	07	2.7	54	SF		3	E		57		
0065	KANZ	02	1718	1722	1726	S15	W41	8603	06	29.7	8	SF		2	C				
0066	HOLL	02	1752	1753	1816	S15	W31	8603	06	30.4	24	SF		3	E		28		
0067	HOLL	02	2028	2033	2035	S24	W03	8611	07	2.6	7	SF		3	E		20		F
0068	HOLL	02	2036	2037	2043	S24	W03	8611	07	2.6	7	SF		3	E		29		
0069	HOLL	02	2044	2054	2108	S23	W05	8611	07	2.5	24	SF		3	E		45		F
0070	LEAR	03	0027	0031	0034	S15	W40	8603	06	30.0	7	SF		3	E		61		
0071	LEAR	03	0056	0101	0103	S15	W34	8603	06	30.5	7	SF		3	E		32		
0072	LEAR	03	0129	0129	0134	S26	W05	8611	07	2.7	5	SF		3	E		25		
0073	LEAR	03	0327	0342	0350	N18	W46	8602	06	29.7	23	SF		4	E		24		
0074	SVTO	03	0452	0507	0515	N23	W77	8598	06	27.4	23	SF		3	E		26		
0075	LEAR	03	0505	0507	0513	N22	W65	8598	06	28.3	8	SF		4	E		17		
0076		03	05091	0511	0516	S28	E61	8615	07	8.0	7	SF					30		
	LEAR	03	0509	0511	0518	S28	E63	8615	07	8.1	9	SF		4	E		47		
	SVTO	03	0510	0511	0515	S29	E59	8615	07	7.8	5	SF		3	E		14		
0077	SVTO	03	0521	0521	0526	S16	W69	8599	06	28.1	5	SF		3	E		19		
0078	KANZ	03	0616	0616	0620	S15	W49	8603	06	29.6	4	SF		2	C				
0079		03	07201	0724	0736	S26	W10	8611	07	2.5	16	SF					18		
	KANZ	03	0720	0724	0736	S25	W13	8611	07	2.3	16	SF		2	C				
	SVTO	03	0721	0724	0736	S27	W08	8611	07	2.7	15	SF		3	E		18		
0080	KANZ	03	0728	0728	0732	S28	E59	8615	07	7.9	4	SF		2	C				
0081	SVTO	03	0751	0753	0757	S15	W38	8603	06	30.4	6	SF		3	E		28		
0082		03	0752	07521	0756	S15	W52	8603	06	29.5	4	SN					18		
	KANZ	03	0752	0752	0756	S15	W50	8603	06	29.6	4	SN		2	C				
	LEAR	03	0752	0753	0756	S15	W53	8603	06	29.4	4	SF		4	E		18		
0083	LEAR	03	0808	0809	0817	N19	W52	8602	06	29.5	9	SF		4	E		38		F
0084		03	08233	08272	0833	S16	W39	8603	06	30.4	10	SF					44		F
	LEAR	03	0823	0827	0834	S15	W38	8603	06	30.5	11	SF		4	E		73		F
	KANZ	03	0824	0828	0832	S17	W40	8603	06	30.3	8	SF		2	C				
	SVTO	03	0826	0829	0834	S15	W38	8603	06	30.5	8	SF		3	E		16		
0085	KANZ	03	0900	0904	0920	S30	W14	8611	07	2.3	20	SF		2	C				
0086	SVTO	03	1117	1118	1127	S14	W46	8603	06	30.0	10	SF		3	E		53		

JULY 1999

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
0087	KANZ	03	1120	1120	1128	S13	W30		07	1.2	8	SF		2	C				
0088	KANZ	03	1408	1412	1428	N25	E67	8620	07	8.8	20	SF		2	C				
0089	KANZ	03	1448	1448	1452	N12	W61	8610	06	29.1	4	SF		2	C				
0090		03	15041	15041	1512	N26	W80	8598	06	27.5	8	SF					43		
	KANZ	03	1504	1504	1512	N28	W79	8598	06	27.5	8	SF		2	C				
	SVTO	03	1505	1505	1511	N23	W82	8598	06	27.4	6	SF		3	E		43		
0091	SVTO	03	1613	1614	1626	S15	W43	8603	06	30.4	13	SF		3	E		20		
0092	HOLL	03	1858	1901	1939	S26	W15	8611	07	2.6	41	SF		3	E		63		
0093	HOLL	03	1905	1908	1913	N19	W58	8602	06	29.5	8	SF		3	E		13		
0094	RAMY	03	1910E	1910U	1928D	S20	W25	8611	07	1.9	18D	SF		3	E		32		
0095	RAMY	03	1940E	1941U	1953D	N18	W55	8602	06	29.7	13D	SF		3	E		42		
0096		03	2000	2027U	2111	N16	W57	8602	06	29.6	71	1F					120		
	HOLL	03	2000	2027U	2111	N16	W55	8602	06	29.8	71	1F		3	E		149		
	RAMY	03	2000E	2032U	2057D	N15	W59	8602	06	29.5	57D	SF		3	E		92		
		03	2019		2026	No Flare Patrol													
0097	HOLL	03	2044	2049	2101	S25	W18	8611	07	2.5	17	SF		3	E		33		
0098	HOLL	03	2101	2101	2109	S26	W17	8611	07	2.5	8	SF		3	E		16		
0099	HOLL	03	2238	2239	2245	N22	W58	8598	06	29.6	7	SF		3	E		91		
0100	LEAR	04	0006	0022	0038	S24	W23	8611	07	2.2	32	SF		3	E		34		
0101	LEAR	04	0242	0245	0247	S15	W51	8603	06	30.2	5	SF		3	E		49		
0102		04	06013	06031	0623	S25	W23	8611	07	2.5	22	SF					37		F
	SVTO	04	0601	0603	0622	S27	W20	8611	07	2.7	21	SF		3	E		36		
	LEAR	04	0602	0604	0620	S24	W23	8611	07	2.5	18	SF		3	E		38		F
	KANZ	04	0604	0604	0628	S24	W25	8611	07	2.3	24	SF		2	C				
0103		04	07226	07266	0742	N14	W47	8617	06	30.7	20	SF					23		
	LEAR	04	0722	0726	0743	N15	W46	8617	06	30.8	21	SF		3	E		23		
	KANZ	04	0728	0732	0740	N14	W48	8617	06	30.7	12	SF		2	C				
0104		04	08222	08253	0856	S24	W24	8611	07	2.5	34	1N					135		F
	LEAR	04	0822	0825	0853	S24	W25	8611	07	2.4	31	1N		3	E		135		F
	KANZ	04	0824	0828	0900	S24	W24	8611	07	2.5	36	1F		2	C				
0105	SVTO	04	0923	0924	0937	S27	W22	8611	07	2.7	14	SF		3	E		25		
0106	KANZ	04	0924	0924	0932	S24	W30	8611	07	2.1	8	SF		2	C				
0107		04	11302	1132	1140	S25	W23	8611	07	2.7	10	SF					20		
	RAMY	04	1129E	1129U	1143D	S24	W23	8611	07	2.7	14D	SF		3	E		21		
	SVTO	04	1130	1132	1141	S27	W23	8611	07	2.7	11	SF		3	E		19		
	KANZ	04	1132	1132	1140	S24	W24	8611	07	2.6	8	SF		2	C				
0108		04	11422	1148	1200	S26	W26	8611	07	2.5	18	SF					52		
	SVTO	04	1142	1148	1205	S27	W23	8611	07	2.7	23	SF		3	E		52		
	KANZ	04	1144	1148	1156	S26	W28	8611	07	2.3	12	SF		2	C				
0109		04	11351	11444	1204	N21	E33	8614	07	7.0	29	SF					43		F
	RAMY	04	1134E	1139U	1218D	N21	E32	8614	07	6.9	44D	SF		3	E		50		F
	SVTO	04	1135	1148	1207	N20	E35	8614	07	7.1	32	SF		3	E		36		
	KANZ	04	1136	1144	1200	N21	E31	8614	07	6.8	24	SF		2	C				
0110		04	12189	1218*	1230	S16	W86	8599	06	28.1	12	SF					30		
	SVTO	04	1218	1218	1222	S16	W86	8599	06	28.1	4	SF		3	E		17		
	SVTO	04	1227	1231	1239	S16	W86	8599	06	28.1	12	SF		3	E		42		

Hα SOLAR FLARES

JULY 1999

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)	Corr (Sq Deg)	Remarks
0111	SVTO	04	1227	1227	1235	S15	W54	8603	06	30.4	8	SF		3	E		11		
0112	KANZ	04	1228	1232	1240D	S17	W55	8603	06	30.3	12D	SF		2	C				
0113	HOLL	04	1254	1259	1303	S17	W61	8603	06	30.0	9	SF		2	E		17		
0114	HOLL	04	1314	1318	1336	S18	W57	8603	06	30.2	22	SF		3	E		36		F
0115		04	14362	14372	1444	S24	W28	8611	07	2.4	8	SF					16		F
	HOLL	04	1436	1437	1443	S25	W28	8611	07	2.4	7	SF		3	E		13		F
	RAMY	04	1438	1439	1444	S24	W27	8611	07	2.5	6	SF		3	E		19		
0116		04	16111	16165	1659	S25	W28	8611	07	2.5	48	SF					72		F
	SVTO	04	1611	1620	1731	S27	W26	8611	07	2.6	80	1F		3	E		117		
	HOLL	04	1611	1621	1648	S25	W29	8611	07	2.4	37	SF		3	E		62		F
	RAMY	04	1612	1616	1637	S24	W29	8611	07	2.4	25	SF		3	E		38		F
0117		04	1613*	1615*	1625	S15	E48	8618	07	8.3	12	SF					22		
	HOLL	04	1613	1615	1618	S15	E48	8618	07	8.3	5	SF		3	E		26		
	RAMY	04	1625	1629	1632	S15	E48	8618	07	8.3	7	SF		3	E		17		
0118	HOLL	04	1625	1627	1631	S15	E40	8618	07	7.7	6	SF		3	E		12		
0119	SVTO	04	1625	1625	1630	S15	W56	8603	06	30.4	5	SF		3	E		12		
0120	SVTO	04	1656	1705	1734	N20	E32	8614	07	7.1	38	SF		3	E		12		
0121		04	1723	17246	1731	N18	W70	8602	06	29.5	8	SF					20		
	SVTO	04	1723	1724	1733	N19	W70	8602	06	29.5	10	SF		3	E		19		
	HOLL	04	1723	1725	1729	N19	W70	8602	06	29.5	6	SF		3	E		22		
	RAMY	04	1727E	1730	1747D	N16	W71	8602	06	29.4	20D	SF		3	E		19		
0122	HOLL	04	1754	1807	1829	S26	W31	8611	07	2.3	35	SF		3	E		38		
0123	HOLL	04	1846	1849	1851	S26	W31	8611	07	2.4	5	SF		3	E		18		
0124	RAMY	04	1847	1858U	1914D	S24	W31	8611	07	2.4	27D	1N		3	E		127		
0125	HOLL	04	1854	1858	1943	S24	W30	8611	07	2.5	49	1F		3	E		179		
0126	RAMY	04	1915	1931	1937	S25	W33	8611	07	2.2	22	SF		3	E		25		
0127	HOLL	04	1944	2008	2029	S24	W30	8611	07	2.5	45	SF		3	E		51		F
0128	RAMY	04	2016	2017	2032	S16	W62	8603	06	30.1	16	SF		3	E		15		
0129	HOLL	04	2019	2021	2025	N18	W62	8603	06	30.1	6	SF		3	E		11		F
0130	HOLL	04	2030	2039	2045	S24	W30	8611	07	2.5	15	SF		3	E		28		
		04	2120		2128	No Flare Patrol													
		04	2144		2145	No Flare Patrol													
		04	2215		2331	No Flare Patrol													
0131	LEAR	05	0006	0011	0016	S27	W32	8611	07	2.5	10	SF		3	E		27		
0132	LEAR	05	0029	0035	0110	S24	W31	8611	07	2.6	41	SF		3	E		55		
0133	LEAR	05	0124	0131	0204	S27	W33	8611	07	2.5	40	1F		3	E		128		F
0134	LEAR	05	0141	0144	0148	N16	W58	8617	06	30.7	7	SF		3	E		37		F
0135	LEAR	05	0241	0241	0251	S24	W34	8611	07	2.5	10	SF		3	E		33		
0136	LEAR	05	0331	0335	0353	N18	E27	8614	07	7.2	22	SF		3	E		15		
0137		05	04155	0415	0430	N19	E68	8621	07	10.4	15	SF					25		F
	LEAR	05	0415	0415	0429	N19	E69	8621	07	10.4	14	SF		3	E		22		
	SVTO	05	0420	0428U	0432	N19	E67	8621	07	10.3	12	SF		3	E		28		F

JULY 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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0138		05	0434	0442*	0529	N18	E27	8614	07	7.2	55	SF					64		FU
	SVTO	05	0434	0442	0519	N17	E26	8614	07	7.2	45	SF		3	E		58		UF
	LEAR	05	0434	0459	0529	N18	E26	8614	07	7.2	55	SF		2	E		71		F
	KANZ	05	0504E		0540	N18	E30	8614	07	7.5	36D	SF		2	C				
0139	SVTO	05	0521	0524	0528	N18	E29	8614	07	7.4	7	SF		3	E		11		F
0140		05	0700	07002	0708	S24	W36	8611	07	2.5	8	SF					19		
	KANZ	05	0700	0700	0708	S25	W36	8611	07	2.5	8	SF		2	C				
	LEAR	05	0700	0702	0707	S24	W37	8611	07	2.4	7	SF		3	E		19		
0141	LEAR	05	0737	0740	0758	N16	E24	8614	07	7.1	21	SF		3	E		15		F
0142	KANZ	05	0804	0804	0816	S17	W68	8603	06	30.2	12	SF		2	C				
0143	KHAR	05	0909E	0910U	0920	N19	E22	8614	07	7.1	11D	SN		2	V	0917	75	0.8	E
0144		05	0944	0946	1002	N18	E22	8614	07	7.1	18	SF					29		DFH
	SVTO	05	0944	0946	0958	N17	E22	8614	07	7.1	14	SF		3	E		29		F
	KHAR	05	0950E		1006	N18	E23	8614	07	7.2	16D	SF		2	V				HD
0145		05	11542	12001	1222	S26	W40	8611	07	2.4	28	SF					29		F
	SVTO	05	1154	1201	1220	S25	W41	8611	07	2.3	26	SF		3	E		29		F
	KANZ	05	1156	1200	1224	S26	W39	8611	07	2.5	28	SF		2	C				
0146	SVTO	05	1315	1316	1320	N19	E15	8614	07	6.7	5	SF		3	E		28		F
0147	RAMY	05	1316	1317	1331	N16	E23	8614	07	7.3	15	SF		3	E		14		
0148		05	1419	1423	1428	N17	E20	8614	07	7.1	9	SF					28		
	KANZ	05	1419	1423	1427D	N16	E20	8614	07	7.1	8D	SF		2	C				
	SVTO	05	1419	1423	1427	N17	E21	8614	07	7.2	8	SF		3	E		19		
	HOLL	05	1419	1423	1428	N17	E20	8614	07	7.1	9	SF		3	E		32		
	RAMY	05	1419	1423	1429	N17	E21	8614	07	7.2	10	SF		3	E		34		
0149		05	1448	1449	1506	S26	W40	8611	07	2.5	18	SF					28		
	HOLL	05	1448	1449	1506	S25	W40	8611	07	2.5	18	SF		3	E		28		
	KANZ	05	1449E	1449U	1506D	S26	W40	8611	07	2.5	17D	SF		2	C				
0150		05	14493	14522	1500	N17	W78	8602	06	29.8	11	SF					37		
	KANZ	05	1449E	1449U	1506D	N16	W77	8602	06	29.9	17D	SF		2	C				
	RAMY	05	1449	1452	1503	N19	W79	8602	06	29.7	14	SF		3	E		58		
	HOLL	05	1452	1454	1457	N16	W78	8602	06	29.8	5	SF		3	E		16		
0151	RAMY	05	1532	1532	1536	S25	W40	8611	07	2.5	4	SF		3	E		22		
0152	KANZ	05	1557E		1557	N15	W65	8617	06	30.7	4D	SF		2	C				
0153		05	1554	1555	1557	N20	W82	8602	06	29.5	3	SF					46		F
	SVTO	05	1554	1555	1557	N20	W87	8602	06	29.1	3	SF		3	E		42		
	HOLL	05	1554	1555	1557	N20	W80	8602	06	29.6	3	SF		3	E		40		F
	RAMY	05	1554	1555	1558	N20	W83	8602	06	29.4	4	SF		3	E		56		
	KANZ	05	1557E		1557	N21	W79	8602	06	29.7	4D	SF		2	C				
0154	HOLL	05	1558	1600	1601	S25	W41	8611	07	2.5	3	SF		3	E		13		
0155	RAMY	05	1612	1614	1617	N20	W80	8602	06	29.6	5	SF		3	E		12		
0156	KANZ	05	1613E	1613U	1617	N15	W65	8617	06	30.7	4D	SF		2	C				
0157		05	1635*	17131	1740	S26	W43	8611	07	2.3	65	SF					88		F
	SVTO	05	1635	1713	1744	S25	W43	8611	07	2.3	69	SF		3	E		99		F
	HOLL	05	1713	1714	1736	S26	W43	8611	07	2.4	23	SF		3	E		77		
0158	HOLL	05	1648	1649	1700	S25	W42	8611	07	2.4	12	SF		3	E		18		
0159		05	1649	16491	1654	N17	E20	8614	07	7.2	5	SF					36		
	KANZ	05	1649	1649	1653	N16	E20	8614	07	7.2	4	SF		2	C				
	HOLL	05	1649	1650	1654	N18	E19	8614	07	7.1	5	SF		3	E		36		

Hα SOLAR FLARES

JULY 1999

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
0160	HOLL	05	1824	1839	1958	S25	W43	8611	07	2.4	94	1F		3	E		183		F
0161	HOLL	05	1833	1833	1839	N17	E18	8614	07	7.1	6	SF		3	E		21		
0162	HOLL	05	1844	1851	1853	N18	E18	8614	07	7.1	9	SF		3	E		14		
0163	HOLL	05	1902	1902	1908	N14	W68	8617	06	30.6	6	SF		3	E		16		
		05	1951		1957	No Flare Patrol													
		05	2051		2214	No Flare Patrol													
0164	VORO	05	2215	2218	2240D	S24	W50	8611	07	2.1	25D	1F		3	C	2218	224	3.6	
		06	0016		0401	No Flare Patrol													
0165		06	08041	08071	0816	N18	E20	8614	07	7.8	12	SF					23		
	KANZ	06	0804	0808	0816	N18	E21	8614	07	7.9	12	SF		2	C				
	SVTO	06	0805	0807	0816	N18	E19	8614	07	7.8	11	SF		3	E		23		
0166	KHAR	06	0902E	0903	0920	S27	W49	8611	07	2.5	18D	SF		2	V				D
0167	KHAR	06	0912	0913	0918	N28	W81		06	30.0	6	SF		2	V				D
0168	KHAR	06	0950E	0951	1007	N28	W81		06	30.1	17D	SF		2	V				D
0169	KHAR	06	1020E	1022	1027	N28	W81		06	30.1	7D	SF		2	V				D
0170	KHAR	06	1028	1030	1100U	N18	W90	8602	06	29.7	32U	SN		2	V				DH
0171	RAMY	06	1404	1409	1419	S24	W52	8611	07	2.6	15	SF		3	E		15		
		06	1947		1958	No Flare Patrol													
0172	RAMY	06	2022	2024	2032	S28	W64	8611	07	1.8	10	SF		3	E		15		F
		06	2114		2132	No Flare Patrol													
0173	VORO	06	2317	2326	2335D	N23	W58		07	2.5	18D	1F		2	C	2326	143	3.2	
0174		07	00134	00161	0021	S30	E16	8615	07	8.3	8	SF					14		U
	LEAR	07	0013	0016	0019	S31	E16	8615	07	8.3	6	SF		4	E		17		U
	HOLL	07	0017	0017	0023	S30	E17	8615	07	8.3	6	SF		3	E		10		U
0175		07	01031	01041	0108	S28	W54	8611	07	2.8	5	SF					28		H
	HOLL	07	0103	0105	0108	S29	W53	8611	07	2.9	5	SF		3	E		37		H
	LEAR	07	0104	0104	0108	S28	W54	8611	07	2.8	4	SF		4	E		19		
0176	LEAR	07	0344	0345	0349	S25	W73	8611	07	1.5	5	SF		4	E		24		
0177	SVTO	07	0526	0528	0534	S27	W64	8611	07	2.2	8	SF		3	E		28		FH
0178	SVTO	07	0554	0554	0558	S27	W64	8611	07	2.2	4	SF		3	E		16		H
0179	SVTO	07	0618	0620	0629	S26	W76	8611	07	1.3	11	SF		3	E		54		H
0180	LEAR	07	0624E	0627U	0651D	S27	W62	8611	07	2.4	27D	SF		4	E		58		H
0181		07	08471	08481	0855	S30	E04	8615	07	7.7	8	SF					40		H
	SVTO	07	0847	0849	0855	S30	E03	8615	07	7.6	8	SF		3	E		49		H
	LEAR	07	0848	0848	0855	S29	E05	8615	07	7.7	7	SF		4	E		31		
0182	SVTO	07	0903	0903	0906	S26	W81	8611	07	1.1	3	SF		3	E		20		FH
0183	SVTO	07	1026	1026	1034	N20	E40	8621	07	10.5	8	SF		3	E		16		
0184	SVTO	07	1044	1046	1050	S25	W65	8611	07	2.4	6	SF		3	E		23		FH
		07	1204		1256	No Flare Patrol													
		07	1330		1337	No Flare Patrol													

Hα SOLAR FLARES

JULY 1999

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
0185	RAMY	07	1450	1450	1457	S22	W11	8626	07	6.8	7	SF		4	E		21		
0186	RAMY	07	1640	1640	1645	S25	W69	8611	07	2.3	5	SF		3	E		15		H
0187	RAMY	07	1718	1720	1730	S29	W01	8615	07	7.6	12	SF		3	E		10		H
		07	1802		1855	No Flare Patrol													
0188	HOLL	07	1938	1944	1948	S26	W69	8611	07	2.4	10	SF		3	E		13		
		07	2111		2126	No Flare Patrol													
		07	2134		2142	No Flare Patrol													
		07	2149		2205	No Flare Patrol													
		07	2334		2337	No Flare Patrol													
0189	LEAR	08	0046	0050	0057	N20	E33	8621	07	10.5	11	SF		3	E		16		
0190	KANZ	08	0528	0528	0540D	N17	W22	8613	07	6.5	12D	SF		2	C				
0191	KANZ	08	0647E	0651	0659	S27	W86	8611	07	1.6	12D	SF		2	C				
0192	KHAR	08	0855E	0855U	0916	S32	W78	8611	07	2.2	21D	1F		2	V				
0193		08	09251	09271	0936	S22	W20	8626	07	6.8	11	SN					39		E
	KHAR	08	0925	0927	0950D	S23	W20	8626	07	6.8	25D	SN		2	V				E
	SVTO	08	0926	0928	0936	S21	W20	8626	07	6.8	10	SF		3	E		39		
0194	KHAR	08	1206	1208	1212	S29	W08	8615	07	7.9	6	SF		2	V				
0195	RAMY	08	1330	1332	1342	S21	W24	8626	07	6.7	12	SF		3	E		20		F
0196	HOLL	08	1930	1931	1934	N19	E70		07	14.1	4	SN		3	E		61		EH
0197	HOLL	08	2127	2128	2133	S23	W26	8626	07	6.9	6	SF		3	E		16		F
0198	HOLL	08	2148	2153	2159	S10	E70	8627	07	14.2	11	SF		3	E		48		
0199	HOLL	08	2306	2307	2311	S13	E69	8627	07	14.2	5	SF		3	E		17		
0200		09	00187	00261	0034	S28	W20	8615	07	7.4	16	SF					41	1.0	F
	VORO	09	0018	0026	0039D	S27	W20	8615	07	7.4	21D	SF		3	C	0026	81	1.0	
	HOLL	09	0020	0027	0036	S29	W19	8615	07	7.5	16	SF		3	E		30		F
	LEAR	09	0025	0026	0032	S28	W20	8615	07	7.4	7	SF		3	E		12		
0201		09	00401	00431	0058	N18	E64		07	13.9	18	SF					50		
	LEAR	09	0040	0043	0059	N17	E64		07	13.9	19	SF		3	E		63		
	HOLL	09	0041	0044	0057	N19	E64		07	13.9	16	SF		3	E		38		
0202	HOLL	09	0057	0058	0108	N23	W59	8613	07	4.5	11	SF		3	E		20		
0203	HOLL	09	0132	0134	0204D	N23	W57	8613	07	4.7	32D	SF		3	E		41		
0204	LEAR	09	0142	0142	0150	S20	W38	8626	07	6.2	8	SF		3	E		16		F
0205	LEAR	09	0212	0212	0220	N23	W57	8613	07	4.7	8	SF		3	E		24		
0206	SVTO	09	0500	0508	0525D	N23	W59	8613	07	4.7	25D	SF		3	E		38		
0207	KHAR	09	0920E	0922U	0955	N19	W65	8613	07	4.4	35D	1N		2	V	0928	200	4.2	EHK
0208	SVTO	09	0950	0951	0956	N21	W67	8613	07	4.3	6	SF		3	E		19		
0209	RAMY	09	1309	1310	1337	N21	W65	8613	07	4.6	28	SF		3	E		25		FH
0210	RAMY	09	1344	1344	1350	N21	W65	8613	07	4.6	6	SF		3	E		15		
0211	RAMY	09	1356	1359	1405	N22	W66	8613	07	4.5	9	SF		3	E		12		F

Hα SOLAR FLARES

JULY 1999

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
0212		09	1456	14573	1509	S12	E59	8627	07	14.1	13	SF					44		
	RAMY	09	1456	1457	1508	S12	E59	8627	07	14.1	12	SF		3	E		38		
	HOLL	09	1456	1500	1510	S11	E59	8627	07	14.1	14	SF		3	E		50		
0213		09	1456	14561	1502	S22	W40	8626	07	6.5	6	SF					12		
	RAMY	09	1456	1456	1502	S22	W40	8626	07	6.5	6	SF		3	E		11		
	HOLL	09	1456	1457	1501	S22	W40	8626	07	6.5	5	SF		3	E		12		
0214		09	15292	15321	1538	S22	W41	8626	07	6.5	9	SF					14		
	RAMY	09	1529	1532	1614D	S22	W41	8626	07	6.5	45D	SF		3	E		16		
	HOLL	09	1531	1533	1538	S22	W41	8626	07	6.5	7	SF		3	E		12		
0215	HOLL	09	1602	1604	1613	N22	W67	8629	07	4.5	11	SF		3	E		22		
0216	HOLL	09	1758	1802	1811	S12	E58	8627	07	14.1	13	SF		3	E		65		
		09	1826		1831	No Flare Patrol													
		09	1838		1852	No Flare Patrol													
0217	HOLL	09	1905	1910	1916	N22	W67	8629	07	4.6	11	SF		3	E		53		
0218	HOLL	09	1917	1919	1928	N22	W67	8629	07	4.6	11	SF		3	E		17		
0219	HOLL	09	1905	1907	1911	S29	W30	8615	07	7.4	6	SF		3	E		19		
0220	HOLL	09	1958	2002	2005	N22	W68	8629	07	4.6	7	SF		3	E		57		
0221	HOLL	09	2024	2038	2052	N22	W68	8629	07	4.6	28	SF		3	E		72		
0222	HOLL	09	2051	2053	2056	S33	W14	8615	07	8.7	5	SF		3	E		10		
0223	HOLL	09	2111	2112	2114	S34	W16	8615	07	8.6	3	SF		3	E		10		
0224	HOLL	09	2152	2152	2159	N22	W69	8629	07	4.6	7	SF		3	E		14		
0225	HOLL	09	2217	2221	2224	S09	E55	8627	07	14.0	7	SF		3	E		14		
0226	HOLL	09	2224	2229	2232	N22	W69	8629	07	4.6	8	SF		3	E		46		
0227	HOLL	09	2238	2239	2249	N22	W69	8629	07	4.6	11	SF		3	E		77		
0228		09	2351E	2353	2411	S14	E56	8627	07	14.2	20D	1N					124		H
	HOLL	09	2351E	2353	2410	S13	E55	8627	07	14.1	19D	1N		3	E		188		H
	LEAR	09	2356E	2401U	2412	S14	E58	8627	07	14.4	16D	SF		3	E		61		
		10	0548		0558	No Flare Patrol													
0229	SVTO	10	0559E	0600	0608	S28	W36	8615	07	7.4	9D	SF		3	E		15		
		10	0636		0657	No Flare Patrol													
		10	1100		1103	No Flare Patrol													
0230	SVTO	10	1217	1220	1229	S28	W36	8615	07	7.7	12	SF		3	E		68		
0231	RAMY	10	1512	1513	1523	S13	E51	8627	07	14.5	11	SF		3	E		35		
0232	RAMY	10	1823	1823	1832	N16	E33	8628	07	13.3	9	SF		3	E		12		
		10	1920		2052	No Flare Patrol													
		10	2059		2259	No Flare Patrol													
0233	HOLL	10	2339	2413	2511	N18	E32	8628	07	13.4	92	1N		3	E		149		
0234	VORO	11	0012	0014	0028	N17	E35	8628	07	13.7	16	SN		3	C	0014	108	1.3	
0235	HOLL	10	2352	2407	2411	S22	W56	8626	07	6.7	19	SF		3	E		13		
0236	HOLL	11	0018	0021	0032	S19	W23	8619	07	9.2	14	SF		3	E		12		

Hα SOLAR FLARES

JULY 1999

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
0237	LEAR	11	0154	0158	0204	N18	E34	8628	07	13.7	10	SF		4	E		14		
		11	0307		0441	No Flare Patrol													
0238	SVTO	11	0445	0513	0529	N18	E28	8628	07	13.3	44	SF		3	E		44		FH
0239	SVTO	11	0547	0553	0559	N17	E28	8628	07	13.4	12	SF		3	E		12		H
0240	RAMY	11	1245	1259	1311	S21	W68	8626	07	6.3	26	SF		3	E		34		
0241	SVTO	11	1259	1312U	1319	S20	W70	8626	07	6.2	20	SF		3	E		26		
0242		11	13137	13204	1327	S21	W64	8626	07	6.6	14	SF					16		H
	RAMY	11	1313	1320	1326	S21	W67	8626	07	6.4	13	SF		3	E		14		H
	SVTO	11	1320	1324	1328	S21	W62	8626	07	6.8	8	SF		3	E		18		
0243		11	1310	13145	1324	S20	W53	8632	07	7.5	14	SF					22		H
	RAMY	11	1310	1319	1330	S20	W52	8632	07	7.6	20	SF		3	E		29		H
	SVTO	11	1311E	1314	1318	S19	W54	8632	07	7.4	7D	SF		3	E		14		
0244	RAMY	11	1316	1318	1330	S31	W53	8615	07	7.4	14	SF		3	E		37		
0245		11	1320	13253	1332	N18	E30	8628	07	13.8	12	SF					14		FH
	SVTO	11	1320	1325	1329	N18	E31	8628	07	13.9	9	SF		3	E		11		
	RAMY	11	1320	1328	1335	N18	E30	8628	07	13.8	15	SF		3	E		18		FH
0246	SVTO	11	1347	1351	1405	S19	W54	8632	07	7.4	18	SF		3	E		14		
0247	SVTO	11	1347	1350	1400	S21	W62	8626	07	6.8	13	SF		3	E		14		
0248	SVTO	11	1550	1553	1556	S20	W70	8626	07	6.3	6	SF		3	E		11		
0249		11	1747	1747	1810	S26	W51	8615	07	7.8	23	SF					46		FH
	RAMY	11	1747	1747	1810	S27	W51	8615	07	7.8	23	SF		3	E		66		FH
	SVTO	11	1747E	1752U	1754D	S26	W51	8615	07	7.8	7D	SF		2	E		27		FH
0250	RAMY	11	1820	1820	1829	N19	W57	8629	07	7.4	9	SF		3	E		30		
0251	RAMY	11	1826	1827	1830	S21	W71	8626	07	6.3	4	SF		3	E		16		
0252		11	1855	18572	1906	S20	W56	8632	07	7.5	11	SF					12		
	HOLL	11	1855	1857	1905	S20	W55	8632	07	7.6	10	SF		3	E		10		
	RAMY	11	1855	1859	1908	S20	W56	8632	07	7.5	13	SF		3	E		15		
0253	RAMY	11	1908	1911	1927	S20	W71	8626	07	6.4	19	SF		3	E		13		
		11	1948		2011	No Flare Patrol													
		11	2029		2036	No Flare Patrol													
		11	2043		2218	No Flare Patrol													
0254	VORO	11	2342	2346	2357	S29	W60		07	7.3	15	SF		3	C	2346	54	1.1	
0255	HOLL	12	0102	0106	0120	N18	W65	8614	07	7.1	18	SF		3	E		61		
		12	0205		0215	No Flare Patrol													
0256	LEAR	12	0314	0318	0321	S20	W58	8632	07	7.7	7	SF		3	E		38		
0257	LEAR	12	0329	0330	0341	N17	E22	8628	07	13.8	12	SF		3	E		19		F
0258	LEAR	12	0459	0503	0509	S18	W61	8632	07	7.6	10	SF		3	E		31		
0259	LEAR	12	0701	0705	0711	S18	W63	8632	07	7.5	10	SF		3	E		15		
0260	LEAR	12	0709	0716	0721	N17	E16	8628	07	13.5	12	SF		3	E		11		F
0261	SVTO	12	0834	0840	0859	S19	W62	8632	07	7.6	25	SF		3	E		17		

Hα SOLAR FLARES

JULY 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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0262		12	0851	08521	0902	S17	E80	8634	07	18.4	11	SF					46		E
	SVTO	12	0851	0852	0903	S18	E81	8634	07	18.5	12	SF		3	E		42		
	LEAR	12	0851	0853	0858	S20	E80	8634	07	18.5	7	SF		3	E		50		E
	KHAR	12	0855E	0858U	0905	S14	E80	8634	07	18.4	10D	SN		2	V				
0263	SVTO	12	0857	0908	0912	N22	W54	8620	07	8.2	15	SF		3	E		15		
0264	SVTO	12	1031	1031	1050	S14	E26	8627	07	14.4	19	SF		3	E		14		
0265		12	1104E	1104U	1115	S24	W82	8626	07	6.1	11D	SN					78		
	RAMY	12	1104E	1104U	1125D	S24	W81	8626	07	6.2	21D	SF		3	E		78		
	KHAR	12	1110E		1115	S25	W84	8626	07	5.9	5D	SN		2	V				
0266	KHAR	12	1210	1210	1225D	S25	W85	8626	07	5.9	15D	SF		2	V				DH
0267		12	1313	13161	1324	S22	W86	8626	07	5.9	11	SF					38		
	HOLL	12	1313	1316	1324	S22	W85	8626	07	6.0	11	SF		3	E		26		
	RAMY	12	1313	1317	1324	S21	W88	8626	07	5.8	11	SF		3	E		50		
0268		12	13161	13181	1322	S20	W65	8632	07	7.6	6	SF					12		
	RAMY	12	1316	1318	1321	S20	W65	8632	07	7.6	5	SF		3	E		11		
	SVTO	12	1317	1319	1323	S20	W65	8632	07	7.6	6	SF		3	E		14		
0269	SVTO	12	1504	1505	1510	S20	W87	8626	07	6.0	6	SF		3	E		27		
0270	RAMY	12	1647	1648	1652	S20	E79	8634	07	18.7	5	SF		3	E		37		
0271	HOLL	12	1943	1950	2004	N19	E12	8628	07	13.7	21	SF		3	E		30		
0272	HOLL	12	2130	2135	2138	S20	W72	8626	07	7.4	8	SF		3	E		20		
		13	0204		0419	No Flare Patrol													
0273		13	05572	0600	0609	N16	E06	8628	07	13.7	12	SF					16		
	SVTO	13	0557	0600	0610	N17	E06	8628	07	13.7	13	SF		3	E		19		
	LEAR	13	0559	0600	0608	N16	E06	8628	07	13.7	9	SF		3	E		14		
0274	KHAR	13	0850E	0851	0900	S22	W72	8632	07	7.8	10D	SN		2	V				
0275	KANZ	13	0854	0854	0906	S20	W72	8632	07	7.9	12	SF		2	C				
0276	KANZ	13	0902	0902	0910	S15	E10	8627	07	14.1	8	SF		2	C				
0277	KANZ	13	1047	1047	1055	S15	E09	8627	07	14.1	8	SF		2	C				
0278	KANZ	13	1103	1107	1123	S15	E09	8627	07	14.1	20	SF		2	C				
0279		13	12592	13021	1307	N18	E02	8628	07	13.7	8	SF					39		
	HOLL	13	1259E	1259U	1309D	N18	E02	8628	07	13.7	10D	SF		3	E		64		
	KANZ	13	1259	1303	1307	N17	E03	8628	07	13.8	8	SF		2	C				
	RAMY	13	1301	1302	1307	N18	E02	8628	07	13.7	6	SF		3	E		32		
	SVTO	13	1301	1303	1306	N17	E02	8628	07	13.7	5	SF		3	E		20		
0280	HOLL	13	1318	1320	1325	N19	E03	8628	07	13.8	7	SF		3	E		15		
0281	HOLL	13	1350	1350	1356	S15	E16	8627	07	14.8	6	SF		3	E		14		
0282		14	00388	00461	0052	S19	E58	8634	07	18.4	14	1F					66		
	HOLL	14	0038	0047	0053	S17	E58	8634	07	18.4	15	1F		3	E		117		
	LEAR	14	0046	0046	0050	S21	E59	8634	07	18.5	4	SF		3	E		16		
		14	0305		0421	No Flare Patrol													
		14	0431		0444	No Flare Patrol													
0283	KHAR	14	0838	0841	0855	N24	E51		07	18.3	17	SF		2	V				EHK
0284	KHAR	14	0948	0953	1010D	S22	W85	8632	07	7.9	22D	SF		2	V				
0285	KHAR	14	1003		1010D	S03	E52		07	18.3	7D	SF		2	V				D

Hα SOLAR FLARES

JULY 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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		14	1011		1029	No Flare Patrol													
		14	1141		1158	No Flare Patrol													
		14	1223		1243	No Flare Patrol													
		14	1640		1641	No Flare Patrol													
		14	1745		1819	No Flare Patrol													
		14	2029		2041	No Flare Patrol													
		14	2045		2159	No Flare Patrol													
		14	2217		2350	No Flare Patrol													
0286	LEAR	15	0058	0058	0109	N43	W51	8635	07	10.8	11	SF		4	E		16		H
0287	LEAR	15	0146	0146	0152	S20	W29	8625	07	12.8	6	SF		4	E		24		
0288	SVTO	15	0915	0916	0922	S21	E40	8634	07	18.4	7	SF		3	E		25		F
0289		15	14311	14332	1438	N43	W61	8635	07	10.6	7	SF					26		
	SVTO	15	1431	1435	1438	N43	W58	8635	07	10.8	7	SF		4	E		33		
	HOLL	15	1432	1433	1439	N43	W64	8635	07	10.3	7	SF		3	E		20		
0290	SVTO	15	1548	1558	1609	S17	W34	8625	07	13.1	21	SF		3	E		36		
		15	1801		1816	No Flare Patrol													
		15	1853		1905	No Flare Patrol													
		15	1954		2021	No Flare Patrol													
0291	HOLL	15	2001	2002	2025	S11	W19	8627	07	14.4	24	SF		3	E		67		F
		15	2121		2130	No Flare Patrol													
		15	2156		2201	No Flare Patrol													
		15	2206		2400	No Flare Patrol													
		16	0346		0403	No Flare Patrol													
0292	KANZ	16	0741	0741	0749	S18	W42	8625	07	13.1	8	SF		2	C				
0293	LEAR	16	0837	0838	0840	N44	W68	8635	07	10.7	3	SF		3	E		14		
0294	HOLL	16	1709	1709	1715	N43	W74	8635	07	10.6	6	SF		3	E		27		
		16	1811		2400	No Flare Patrol													
		17	0000		0001	No Flare Patrol													
		17	0007		0044	No Flare Patrol													
		17	0055		0123	No Flare Patrol													
0295	LEAR	17	0220	0225	0231	N45	W76	8635	07	10.8	11	SF		3	E		18		
0296	LEAR	17	0231	0236	0241	N44	W77	8635	07	10.7	10	SF		3	E		19		
0297	LEAR	17	0246	0251	0255	N45	W78	8635	07	10.6	9	SF		3	E		40		
0298	LEAR	17	0307	0346	0353	N18	E85	8636	07	23.6	46	SF		3	E		23		
0299	LEAR	17	0335	0336	0340	N45	W77	8635	07	10.7	5	SF		3	E		19		
0300	LEAR	17	0635	0639	0647	N18	E85	8636	07	23.7	12	SF		3	E		18		
0301		17	07081	0710	0716	N18	E81	8636	07	23.5	8	SF					17		
	LEAR	17	0708	0710	0715	N18	E84	8636	07	23.7	7	SF		3	E		17		
	SVTO	17	0709	0710	0716	N18	E78	8636	07	23.2	7	SF		3	E		17		
0302		17	0821	0823	0828	N18	E79	8636	07	23.4	7	SF					29		
	LEAR	17	0821	0823	0827	N18	E81	8636	07	23.5	6	SF		3	E		28		
	SVTO	17	0821	0823	0828	N18	E77	8636	07	23.2	7	SF		3	E		30		
0303	SVTO	17	0951	0954	1006	N18	E76	8636	07	23.2	15	SF		3	E		49		
0304	SVTO	17	1245	1246	1251	N18	E75	8636	07	23.2	6	SF		3	E		14		
0305	SVTO	17	1351	1358	1401	N42	W89	8635	07	10.3	10	SF		3	E		60		

Hα SOLAR FLARES

JULY 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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0306	HOLL	17	1630	1631	1644D	N42	W85	8635	07 10.7	14D	SF		3	E		18		
		17	1856		2336	No Flare Patrol												
0307	KANZ	18	0741	0750	0806D	N18	E81	8636	07 24.5	25D	SF		2	C				
		18	2111		2137	No Flare Patrol												
		18	2152		2336	No Flare Patrol												
0308	KANZ	19	0819	0835	1058	N21	E58	8636	07 23.8	159	2N		2	C				
0309	KANZ	19	0823	0827	0831	N19	W74	8628	07 13.7	8	SF		2	C				
0310	KANZ	19	1314	1322	1342	N22	E54	8636	07 23.7	28	SF		2	C				
0311	KANZ	19	1459	1459	1503	N20	E56	8636	07 23.9	4	SF		2	C				
		19	1909		1937	No Flare Patrol												
		19	2212		2345	No Flare Patrol												
		20	0019		0022	No Flare Patrol												
0312	KANZ	20	0819	0823	0831	S12	W70	8627	07 15.1	12	SF		2	C				
0313	KANZ	20	0919	0927	0947	N38	W17	8639	07 19.0	28	SF		2	C				
0314	KANZ	20	0927	0927	0943	N23	E51	8636	07 24.3	16	SF		2	C				
0315	KANZ	20	0955	0955	0959	N20	E52	8636	07 24.4	4	SF		2	C				
0316	KANZ	20	1007	1007	1015	N20	E52	8636	07 24.4	8	SF		2	C				
0317	KANZ	20	1327	1332	1340	N19	E43	8636	07 23.8	13	SF		2	C				
0318	KANZ	20	1710	1710	1722	N20	E46	8636	07 24.2	12	SF		2	C				
		20	1918		1923	No Flare Patrol												
		20	1954		2005	No Flare Patrol												
		20	2020		2028	No Flare Patrol												
		20	2035		2349	No Flare Patrol												
		21	0129		0231	No Flare Patrol												
		21	0323		0416	No Flare Patrol												
0319	KANZ	21	0733	0749	0757	S21	E80	8642	07 27.4	24	SF		2	C				
0320		21	0812	0813	0823	N20	E32	8636	07 23.8	11	SF					55		
	SVTO	21	0812	0813	0823	N19	E32	8636	07 23.8	11	SF		3	E		54		
	LEAR	21	0812	0813U	0825D	N20	E33	8636	07 23.9	13D	SF		3	E		56		
0321		21	0831	0831	0832	N18	E30	8636	07 23.6	1	SF					10		
	KANZ	21	0831	0831	0831	N19	E31	8636	07 23.7	1	SF		2	C				
	SVTO	21	0831	0831	0834	N18	E30	8636	07 23.6	3	SF		3	E		10		
0322		21	14322	14333	1440	S17	E68	8642	07 26.8	8	SF					32		
	RAMY	21	1432	1433	1441	S18	E69	8642	07 26.8	9	SF		3	E		44		
	HOLL	21	1432	1434	1440	S15	E66	8642	07 26.6	8	SF		3	E		28		
	SVTO	21	1434	1436	1439	S17	E68	8642	07 26.8	5	SF		3	E		23		
0323		21	14541	14573	1507	N19	E29	8636	07 23.8	13	SF					31		
	RAMY	21	1454	1459	1504	N19	E31	8636	07 24.0	10	SF		3	E		33		
	SVTO	21	1455	1457	1513	N18	E27	8636	07 23.7	18	SF		3	E		26		
	HOLL	21	1455	1500	1504	N19	E30	8636	07 23.9	9	SF		3	E		35		
0324	HOLL	21	1514	1536	1545	N19	E24	8636	07 23.5	31	SF		3	E		66		
0325	HOLL	21	1545	1546	1550	N19	E24	8636	07 23.5	5	SF		3	E		38		
0326	HOLL	21	1751	1758	1803	S18	E67	8642	07 26.8	12	SF		3	E		51		
0327	HOLL	21	1841	1842	1847	N20	E27	8636	07 23.8	6	SF		3	E		51		

Hα SOLAR FLARES

JULY 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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		21	2112		2332	No Flare Patrol												
0328	LEAR	22	0053	0053	0100	S15	E58	8642	07 26.4	7	SF		3	E		11		
0329	HOLL	22	0106	0114	0117	N22	E29	8636	07 24.3	11	SF		3	E		10		
0330	LEAR	22	0233	0236	0249	N37	W39	8639	07 19.0	16	SF		3	E		57		
0331	LEAR	22	0243	0244	0249	N22	W48	8643	07 18.4	6	SF		3	E		13		
0332	LEAR	22	0252	0257	0311	N37	W40	8639	07 18.9	19	SF		3	E		32		
0333	LEAR	22	0330	0331	0341	N23	E32	8636	07 24.6	11	SF		3	E		48		
0334	LEAR	22	0504	0510	0511	S16	E61	8642	07 26.8	7	SF		3	E		42		
0335	LEAR	22	0527	0534	0546	N21	E20	8636	07 23.8	19	SF		4	E		25		
0336	LEAR	22	0547	0553	0621	N38	W41	8639	07 18.9	34	SF		3	E		26		
0337	LEAR	22	0610	0611	0621	N20	E20	8636	07 23.8	11	SF		3	E		15		
0338	SVTO	22	0929	0929	0938	N21	E18	8636	07 23.8	9	SF		3	E		13		
0339	RAMY	22	1110E	1112U	1121D	N21	E14	8636	07 23.5	11D	SF		3	E		30		F
0340	RAMY	22	1142	1212	1243	N21	E17	8636	07 23.8	61	SF		3	E		45		F
0341	HOLL	22	1435	1439	1444	N20	E12	8636	07 23.5	9	SF		3	E		19		
		22	1834		1935	No Flare Patrol												
		22	1942		2128	No Flare Patrol												
0342	HOLL	22	2130E	2130U	2139	N21	E14	8636	07 24.0	9D	SF		2	E		91		
0343	HOLL	22	2145	2147	2156	N20	E15	8636	07 24.0	11	SF		3	E		49		F
		22	2227		2232	No Flare Patrol												
		22	2327		2332	No Flare Patrol												
0344	LEAR	23	0033	0040	0108	N22	E13	8636	07 24.0	35	SF		3	E		79		EF
0345	LEAR	23	0122	0125	0136	N36	W51	8639	07 19.0	14	SF		4	E		26		E
0346	LEAR	23	0216	0217	0219	N21	E17	8636	07 24.4	3	SF		3	E		21		E
0347	LEAR	23	0416	0418	0421	N22	E05	8636	07 23.6	5	SF		3	E		21		
0348	LEAR	23	0449	0449	0501	N22	E07	8636	07 23.7	12	SF		3	E		23		F
0349		23	0503	0507*	0538	N20	E16	8636	07 24.4	35	SF					22		F
	SVTO	23	0503	0507	0538	N21	E14	8636	07 24.3	35	SF		3	E		14		F
	LEAR	23	0503	0524	0537	N20	E19	8636	07 24.7	34	SF		3	E		30		F
0350		23	0627	0631	0654	N36	W54	8639	07 18.9	27	1F					112		FH
	LEAR	23	0627	0631	0653	N36	W54	8639	07 18.9	26	1F		4	E		102		F
	SVTO	23	0627	0631	0656	N36	W53	8639	07 19.0	29	1F		3	E		123		FH
0351		23	0657	06584	0733	N20	E14	8636	07 24.4	36	SF					35		F
	SVTO	23	0657	0658	0708	N20	E13	8636	07 24.3	11	SF		3	E		28		F
	LEAR	23	0657	0702	0758	N20	E14	8636	07 24.4	61	SF		3	E		42		F
0352	SVTO	23	0715	0720	0724	N19	E13	8636	07 24.3	9	SF		3	E		15		F
0353		23	0829	08322	0843	N19	E06	8636	07 23.8	14	SF					16		F
	SVTO	23	0829	0832	0839	N19	E03	8636	07 23.6	10	SF		3	E		14		F
	LEAR	23	0829	0834	0847	N19	E09	8636	07 24.0	18	SF		3	E		19		
0354	SVTO	23	1003	1005	1014	N22	E05	8636	07 23.8	11	SF		3	E		30		F

Hα SOLAR FLARES

JULY 1999

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo 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
0355	KANZ	23	1032E	1032U	1052	N20	E16	8636C	07 24.7	20D	SF		2	C				
0356	SVTO	23	1132	1145U	1149	N23	E05	8636	07 23.9	17	SF		3	E		38		F
0357	KANZ	23	1235E	1247	1251D	N24	E03	8636	07 23.7	16D	SF		2	C				
0358	HOLL	23	1439	1442	1446	N21	E07	8636	07 24.1	7	SF		3	E		13		
0359	HOLL	23	1447	1449	1452	N19	E06	8636	07 24.1	5	SF		3	E		18		
0360	HOLL	23	1452	1453	1459	N19	E08	8636	07 24.2	7	SF		3	E		34		
0361	HOLL	23	1504	1509	1543	N21	E01	8636	07 23.7	39	SF		3	E		48		
0362	HOLL	23	1439	1442	1444	S27	E87	8645	07 30.4	5	SF		3	E		16		
0363	HOLL	23	1832	1942	2057	N20	E04	8636	07 24.1	145	2F		3	E		346		F
		23	2250		2303	No Flare Patrol												
0364	HOLL	23	2300	2300	2315	S26	E87	8644	07 30.7	15	SF		3	E		95		
		23	2326		2333	No Flare Patrol												
0365		23	23501	2354*	2406	N23	W02	8636	07 23.8	16	SF					19		
	LEAR	23	2350	2405	2417	N25	W04	8636	07 23.7	27	SF		3	E		20		
	HOLL	23	2351	2354	2356	N21	E00	8636	07 24.0	5	SF		3	E		18		
0366	LEAR	24	0347	0347	0353	N34	W65	8639	07 19.0	6	SF		3	E		39		
0367	LEAR	24	0359	0403	0418	S29	E87	8645	07 31.0	19	1N		3	E		238		EY
0368	LEAR	24	0502	0504	0513	N21	W15	8636	07 23.0	11	SF		4	E		13		
0369	LEAR	24	0540	0541	0545	N21	W07	8636	07 23.7	5	SF		4	E		21		
0370		24	07131	07193	0744	N20	W04	8636	07 24.0	31	SF					26		
	LEAR	24	0713	0719	0754	N21	W05	8636	07 23.9	41	SF		4	E		26		
	KANZ	24	0714	0722	0734	N20	W02	8636	07 24.1	20	SF		2	C				
0371	KANZ	24	0734	0746	0818	N25	W09	8636	07 23.6	44	SF		2	C				
0372	KANZ	24	0746	0750	0758	N21	W06	8636	07 23.9	12	SF		2	C				
0373	LEAR	24	0755	0756	0810	S28	E78	8645	07 30.4	15	SF		4	E		30		
0374	KANZ	24	0758	0758	0814	S26	E16		07 25.6	16	SF		2	C				
		24	0930		1026	No Flare Patrol												
0375	HOLL	24	1325	1329	1334	N35	W71	8639	07 18.9	9	SF		3	E		15		
0376	HOLL	24	1443	1445	1457	N38	W69	8639	07 19.0	14	SF		3	E		32		
0377	HOLL	24	1523	1523	1534	N34	W73	8636	07 18.8	11	SF		3	E		15		
0378	HOLL	24	2039	2045	2113D	N19	W15	8636	07 23.7	34D	SF		3	E		94		
0379	HOLL	24	2044	2045	2053	N36	W76	8639	07 18.8	9	SF		3	E		27		
0380	HOLL	24	2240	2245	2249	S26	E68	8645	07 30.2	9	SF		3	E		67		
		24	2307		2332	No Flare Patrol												
0381	LEAR	25	0058	0102	0158	S29	E70	8645	07 30.5	60	SN		3	E		95		
0382	LEAR	25	0131	0132	0207	N18	W18	8636	07 23.7	36	SF		3	E		54		
0383	LEAR	25	0201	0205	0209	N38	W71	8639	07 19.3	8	SF		3	E		36		

Hα SOLAR FLARES

JULY 1999

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0384	LEAR	25	0229	0235	0238	S26	E59	8645	07 29.7	9	SF		3	E		20		
0385	LEAR	25	0247	0250	0303	S26	E59	8645	07 29.7	16	SF		3	E		44		
0386	LEAR	25	0323	0325	0330	S26	E59	8645	07 29.7	7	SF		3	E		41		
0387	LEAR	25	0403	0429	0439	S26	E58	8645	07 29.7	36	1F		3	E		175		E
0388	LEAR	25	0510	0512	0535	N20	W22	8636	07 23.5	25	SF		3	E		44		F
0389	LEAR	25	0535	0535	0542	N36	W80	8639	07 18.8	7	SF		3	E		16		
		25	0944		1120	No Flare Patrol												
0390	HOLL	25	1343	1343	1356	N38	W81	8639	07 19.0	13	SF		3	E		25		
0391	HOLL	25	1351E	1359	1406	S18	E57	8647	07 29.9	15D	SF		3	E		11		
0392	HOLL	25	1421	1424	1432	S18	E57	8647	07 29.9	11	SF		3	E		44		
0393	HOLL	25	1741	1745	1754	N20	W28	8636	07 23.6	13	SF		3	E		23		
0394	HOLL	25	1850	1853	1856	N20	W27	8636	07 23.7	6	SF		3	E		15		
		25	2236		2311	No Flare Patrol												
		25	2316		2334	No Flare Patrol												
0395	KANZ	26	0621E	0625	0705D	S21	E55	8647	07 30.5	44D	SF		2	C				
0396	SVTO	26	0637	0640	0643	S26	E45	8645	07 29.8	6	SF		3	E		15		
0397	LEAR	26	0639	0644	0652	S24	E54	8645	07 30.4	13	SF		4	E		12		
		26	1021		1037	No Flare Patrol												
0398		26	15101	1512	1514	N20	W32	8636	07 24.2	4	SF					40		
	SVTO	26	1510	1512U	1513D	N19	W30	8636	07 24.3	3D	SF		3	E		42		
	HOLL	26	1511	1512	1514	N21	W35	8636	07 23.9	3	SF		3	E		37		
0399	HOLL	26	1833	1839U	1844	S26	E38	8645	07 29.7	11	SF		2	E		25		
		26	1857		1919	No Flare Patrol												
		26	1954		2001	No Flare Patrol												
0400	HOLL	26	2025	2028	2034	N13	W44	8646	07 23.5	9	SF		3	E		34		
		26	2234		2244	No Flare Patrol												
		26	2335		2344	No Flare Patrol												
		26	2349		2400	No Flare Patrol												
		27	0000		0017	No Flare Patrol												
		27	0047		0108	No Flare Patrol												
0401		27	0738	07425	0752	N13	W50	8646	07 23.5	14	SF					14		EF
	KANZ	27	0738	0742	0754	N12	W51	8646	07 23.5	16	SF		2	C				
	LEAR	27	0738	0747	0750	N13	W50	8646	07 23.5	12	SF		4	E		17		E
	SVTO	27	0739E	0739U	0744D	N13	W49	8646	07 23.6	5D	SF		3	E		12		F
0402		27	0854	08571	0913	S26	E42	8645	07 30.6	19	SF					44		FU
	SVTO	27	0854	0857U	0911	S25	E41	8645	07 30.5	17	SF		3	E		43		UF
	LEAR	27	0854	0857	0915	S26	E40	8645	07 30.5	21	SF		4	E		45		UF
	KANZ	27	0854	0858	0914	S26	E45	8645	07 30.9	20	SF		2	C				
0403	KANZ	27	0950	0950	0954	S17	E47	8647	07 31.0	4	SF		2	C				
0404	KANZ	27	1042	1042	1046	S30	E40	8645	07 30.6	4	SF		2	C				
0405	KANZ	27	1242	1246	1306	N25	E78	8651	08 2.6	24	SF		2	C				

Hα SOLAR FLARES

JULY 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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0406		27	13095	13212	1450	N24	W47	8636	07	23.9	101	1N					201		EFLU
	HOLL	27	1309	1323	1442	N23	W50	8636	07	23.7	93	1N		3	E		241		F
	KANZ	27	1310	1322U	1322D	N25	W50	8636	07	23.7	12D	1N		2	C				
	SVTO	27	1311	1321	1446	N25	W47	8636	07	23.9	95	1N		3	E		141		F
	RAMY	27	1314	1321	1503	N24	W45	8636	07	24.1	109	1B		3	E		220		UF
	KHAR	27	1318E		1340D	N24	W45	8636	07	24.1	22D	1B		2	V				LE
0407		27	14411	1442	1449	N12	W54	8646	07	23.5	8	SF					28		
	SVTO	27	1441	1442	1448	N12	W54	8646	07	23.5	7	SF		3	E		24		
	RAMY	27	1442	1442	1450	N12	W54	8646	07	23.5	8	SF		3	E		31		
0408		27	15001	1501	1504	N12	W54	8646	07	23.5	4	SF					28		
	RAMY	27	1500	1501	1504	N12	W54	8646	07	23.5	4	SF		3	E		31		
	SVTO	27	1501	1501	1505	N12	W53	8646	07	23.6	4	SF		3	E		24		
		27	1804		1811	No Flare Patrol													
		27	1816		1823	No Flare Patrol													
		27	1858		1911	No Flare Patrol													
		27	2000		2010	No Flare Patrol													
		27	2204		2212	No Flare Patrol													
		27	2222		2256	No Flare Patrol													
0409	LEAR	28	0023	0023	0036	N21	W53	8636	07	23.9	13	SF		2	E		15		
0410	LEAR	28	0047	0051	0054	N20	W55	8636	07	23.8	7	SF		3	E		12		
0411	LEAR	28	0057	0105	0109	N20	W55	8636	07	23.8	12	SF		3	E		16		
0412	LEAR	28	0152	0158	0234	S15	E08	8649	07	28.7	42	SF		3	E		54		FU
0413	SVTO	28	0553	0555	0558	S15	E06	8649	07	28.7	5	SF		3	E		16		
0414		28	07442	0746	0759	S15	E04	8649	07	28.6	15	SF					26		
	SVTO	28	0744	0746	0803	S15	E04	8649	07	28.6	19	SF		3	E		38		
	LEAR	28	0746	0746	0755	S15	E04	8649	07	28.6	9	SF		3	E		15		
0415	SVTO	28	0805	0813	0902	S15	E03	8649	07	28.6	57	1B		3	E		125		
0416	SVTO	28	0853	0855	0901	N22	E69	8651	08	2.7	8	SF		3	E		11		
0417	SVTO	28	0903	0904	0911	N24	E69	8651	08	2.7	8	SF		3	E		19		H
0418	SVTO	28	0927	0936	0950	N24	E68	8651	08	2.6	23	SF		3	E		13		H
0419	SVTO	28	1251	1321	1404	N20	W72	8636	07	23.0	73	SF		3	E		73		H
0420	SVTO	28	1322	1323	1334	S25	E19	8645	07	30.0	12	SF		3	E		22		F
0421		28	1425	14301	1440	S15	E02	8649	07	28.7	15	SF					20		
	SVTO	28	1425	1430	1437	S15	E02	8649	07	28.7	12	SF		3	E		14		
	RAMY	28	1425	1431	1444	S15	E01	8649	07	28.7	19	SF		3	E		26		
0422	RAMY	28	1457	1515	1525	S22	E24	8645	07	30.5	28	SF		3	E		11		
0423		28	15443	1555*	1647	N24	E68	8651	08	2.9	63	SF					50		
	HOLL	28	1544	1654	1715	N24	E67	8651	08	2.8	91	SF		3	E		76		
	RAMY	28	1547	1555	1619	N23	E68	8651	08	2.9	32	SF		3	E		24		
0424	HOLL	28	1548	1549	1552	S22	E24	8645	07	30.5	4	SF		3	E		19		
0425		28	1609	16112	1620	S18	E30	8647	07	30.9	11	SF					16		
	HOLL	28	1609	1611	1618	S18	E30	8647	07	30.9	9	SF		3	E		17		
	RAMY	28	1609	1613	1621	S19	E29	8647	07	30.9	12	SF		3	E		15		
0426	HOLL	28	1626	1632	1636	S14	E01	8649	07	28.8	10	SF		3	E		15		
0427	HOLL	28	1636	1637	1639	S22	E23	8645	07	30.4	3	SF		3	E		12		

Hα SOLAR FLARES

JULY 1999

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
0428		28	17411	17432	1802	N22	E66	8651	08	2.8	21	SF					31		
	HOLL	28	1741	1745	1805	N23	E66	8651	08	2.8	24	SF		3	E		41		
	RAMY	28	1742	1743	1800	N22	E67	8651	08	2.9	18	SF		3	E		21		
0429	HOLL	28	1746	1746	1750	N20	W63	8636	07	23.9	4	SF		3	E		22		
0430		28	1745	1746*	1749	S22	E21	8645	07	30.3	4	1N					117		F
	HOLL	28	1745	1746	1749	S22	E23	8645	07	30.5	4	SF		3	E		16		
	RAMY	28	1745	1801	1951D	S21	E19	8645	07	30.2	126D	1N		3	E		218		F
0431	HOLL	28	1748	1812	1842	S18	E29	8647	07	31.0	54	SF		3	E		97		
0432	HOLL	28	1757	1806	1848	S19	E22	8645	07	30.4	51	1N		3	E		214		F
0433	HOLL	28	1843	1843	1847	S19	E29	8647	07	31.0	4	SF		3	E		43		
0434	HOLL	28	1850	1854	1859	S25	E24	8645	07	30.6	9	SF		3	E		26		
0435	HOLL	28	1901	1904	1906	S25	E24	8645	07	30.6	5	SF		3	E		19		
0436	HOLL	28	1849	1855	1902	N24	E65	8651	08	2.8	13	SF		3	E		17		
0437	HOLL	28	1849	1851	1905	S14	W03	8649	07	28.5	16	SF		3	E		14		
0438	HOLL	28	1918	1918	1922	S22	E23	8645	07	30.6	4	SF		3	E		36		
0439	HOLL	28	1926	1932	2012	S14	W04	8649	07	28.5	46	SF		3	E		38		
0440	HOLL	28	1912	1918	1925	N23	E66	8651	08	2.9	13	SF		3	E		40		
0441	HOLL	28	1927	1932	1937	N24	E65	8651	08	2.8	10	SF		3	E		26		
0442	HOLL	28	1940	1952	1957	N23	E66	8651	08	2.9	17	SF		3	E		35		
0443	HOLL	28	2034	2035	2046	S14	W02	8649	07	28.7	12	SF		3	E		40		
0444	HOLL	28	2210	2210	2216	S23	E19	8645	07	30.4	6	SF		3	E		24		
		28	2227		2250	No Flare Patrol													
0445	HOLL	28	2317	2318	2325	S14	W02	8649	07	28.8	8	SF		3	E		15		
		28	2348		2400	No Flare Patrol													
		29	0000		0005	No Flare Patrol													
		29	0806		0844	No Flare Patrol													
		29	0944		1029	No Flare Patrol													
0446	SVTO	29	1010E	1012U	1029D	S16	W11	8649	07	28.6	19D	SF		2	E		47		H
0447	SVTO	29	1059E	1102U	1103D	N25	E54	8651	08	2.6	4D	SF		3	E		79		F
0448	RAMY	29	1213	1214	1222	N20	W75	8636	07	23.8	9	SF		3	E		59		
0449		29	1238	1252	1338	S14	W12	8649	07	28.6	60	SF					76		F
	RAMY	29	1238	1252	1335	S14	W12	8649	07	28.6	57	SF		3	E		96		F
	SVTO	29	1306E	1308U	1342	S15	W12	8649	07	28.6	36D	SF		3	E		55		F
0450	SVTO	29	1312	1333U	1340	S26	E02	8645	07	29.7	28	SF		3	E		27		F
0451		29	14001	1402	1410	S16	W11	8649	07	28.7	10	SF					24		F
	SVTO	29	1400	1402	1412	S16	W12	8649	07	28.7	12	SF		3	E		28		F
	RAMY	29	1401	1402	1409	S16	W10	8649	07	28.8	8	SF		3	E		20		
0452	RAMY	29	1445	1447	1459	N23	E55	8651	08	2.8	14	SF		3	E		36		
0453		29	1420*	1514	1548	N24	E54	8651	08	2.8	88	1N					84		F
	SVTO	29	1420	1514	1615	N23	E56	8651	08	2.9	115	1N		3	E		101		F
	RAMY	29	1512	1514	1522	N25	E53	8651	08	2.7	10	SN		3	E		66		

Hα SOLAR FLARES

JULY 1999

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
0454	RAMY	29	1603	1603	1620	S20	E11	8645	07	30.5	17	SF		3	E		27		
0455		29	1622*	16311	1726	S23	E08	8645	07	30.3	64	2N					388		FH
	RAMY	29	1622	1631	1725	S23	E08	8645	07	30.3	63	2N		3	E		360		
	HOLL	29	1632	1632	1726	S23	E09	8645	07	30.4	54	2F		3	E		415		HF
0456	HOLL	29	1640	1646	1710	S18	E11	8647	07	30.5	30	SF		3	E		18		
0457	HOLL	29	1711	1714	1716	S18	E11	8647	07	30.5	5	SF		3	E		13		
0458	RAMY	29	1648	1650	1712	N23	E54	8651	08	2.9	24	SF		3	E		66		
0459		29	1633*	1731	1904	N24	E52	8651	08	2.7	151	1F					116		T
	HOLL	29	1633	1731	2019	N23	E52	8651	08	2.7	226	1F		3	E		197		T
	RAMY	29	1725	1731	1750	N24	E52	8651	08	2.7	25	SF		3	E		34		
0460	HOLL	29	1729	1733	1734	S24	E09	8645	07	30.4	5	SF		3	E		46		
0461	HOLL	29	1747	1749	1751	S24	E10	8645	07	30.5	4	SF		3	E		40		
0462	HOLL	29	1748	1749	1751	S14	W15	8649	07	28.6	3	SF		3	E		22		
0463	HOLL	29	1752	1754	1756	S15	W12	8649	07	28.8	4	SF		3	E		17		
0464	HOLL	29	1757	1802	1805	S14	W15	8649	07	28.6	8	SF		3	E		15		
0465	HOLL	29	1817	1817	1819	S24	E09	8645	07	30.4	2	SF		3	E		31		
0466	HOLL	29	1824	1837	1842	S15	W14	8649	07	28.7	18	SF		3	E		26		F
0467	HOLL	29	1843	1844	1847	S14	W16	8649	07	28.6	4	SF		3	E		17		
0468	HOLL	29	1850	1859	1905	S14	W16	8649	07	28.6	15	SF		3	E		73		
0469	HOLL	29	1918	1919	1925	S14	W16	8649	07	28.6	7	SF		3	E		59		
0470	RAMY	29	1925	1934	1955D	N25	E51	8651	08	2.8	30D	1N		3	E		196		H
0471	HOLL	29	1934	1936	1946	S15	W14	8649	07	28.7	12	SF		3	E		36		
0472		29	2020	2109	2210	N24	E52	8651	08	2.9	110	1F					60		
	HOLL	29	2020	2109	2210	N24	E53	8651	08	2.9	110	1F		3	E		109		
	RAMY	29	2102E	2102U	2131D	N23	E52	8651	08	2.9	29D	SF		2	E		11		
		29	2055		2101	No Flare Patrol													
		29	2213		2215	No Flare Patrol													
		29	2228		2232	No Flare Patrol													
		29	2238		2309	No Flare Patrol													
0473	HOLL	29	2251	2324	2328	N24	E50	8651	08	2.8	37	SF		3	E		80		
0474	HOLL	29	2333	2346	2428	N24	E50	8651	08	2.8	55	1F		3	E		230		
0475	HOLL	30	0052	0053	0102	N25	E47	8651	08	2.7	10	SF		3	E		14		
0476	LEAR	30	0108	0108	0134	N22	E52	8651	08	3.0	26	SF		3	E		58		
0477	LEAR	30	0158	0200	0231	N23	E48	8651	08	2.8	33	SF		3	E		77		
0478	LEAR	30	0259	0306	0310	S26	W06	8645	07	29.6	11	SF		3	E		32		
0479	SVTO	30	0512	0512	0529	S26	W06	8645	07	29.7	17	SF		3	E		15		
0480		30	0518	0526	0535	N24	E47	8651	08	2.8	17	SF					11		
	LEAR	30	0518	0526	0531	N23	E47	8651	08	2.8	13	SF		3	E		10		
	SVTO	30	0518	0526	0539	N25	E47	8651	08	2.9	21	SF		3	E		12		
0481		30	05531	0555	0614	N24	E46	8651	08	2.8	21	SF					44		F
	LEAR	30	0553	0555	0617	N23	E46	8651	08	2.8	24	SF		3	E		44		F
	SVTO	30	0554	0555	0612	N25	E47	8651	08	2.9	18	SF		3	E		43		

Hα SOLAR FLARES

JULY 1999

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
0482	SVTO	30	0555	0555	0559	S26	W06	8645	07	29.8	4	SF		3	E		12		
0483		30	06392	0645	0700	N24	E46	8651	08	2.8	21	SF					28		
	SVTO	30	0639	0645	0703	N25	E46	8651	08	2.8	24	SF		3	E		34		
	LEAR	30	0641	0645	0657	N23	E45	8651	08	2.7	16	SF		3	E		23		
0484	SVTO	30	0707	0709	0711	N25	E46	8651	08	2.9	4	SF		3	E		19		
0485		30	07171	07181	0731	N24	E44	8651	08	2.7	14	SF					46		F
	LEAR	30	0717	0719U	0738	N23	E44	8651	08	2.7	21	SF		3	E		54		F
	KANZ	30	0718	0718	0726	N24	E42	8651	08	2.5	8	SF		2	C				
	SVTO	30	0718	0719	0730	N25	E46	8651	08	2.9	12	SF		3	E		38		
0486	SVTO	30	0641	0645	0653	S26	W07	8645	07	29.7	12	SF		3	E		39		
0487	LEAR	30	0642	0644	0657	S20	E00	8645	07	30.3	15	SF		3	E		18		
0488	SVTO	30	0706	0706	0712	S26	W07	8645	07	29.7	6	SF		3	E		21		
0489	SVTO	30	0835	0835	0840	N25	E45	8651	08	2.8	5	SF		3	E		19		
0490	SVTO	30	0837	0839	0842	S16	W23	8649	07	28.6	5	SF		3	E		18		
0491		30	08482	08542	0900	N24	E44	8651	08	2.8	12	SN					97		E
	SVTO	30	0848	0856	0900	N25	E43	8651	08	2.7	12	SN		3	E		96		
	KANZ	30	0850	0854	0906D	N24	E44	8651	08	2.8	16D	SN		2	C				
	LEAR	30	0852E	0854	0903D	N23	E44	8651	08	2.7	11D	SN		3	E		98		E
		30	1001		1025	No Flare Patrol													
0492		30	1036E	1036U	1040	S27	E06	8645	07	30.9	4D	SF					34		
	KANZ	30	1036E	1036U	1040	S27	E06	8645	07	30.9	4D	SF		2	C				
	RAMY	30	1036E	1036U	1050D	S27	E05	8645	07	30.8	14D	SF		3	E		34		
0493	RAMY	30	1109E	1117	1154	S24	E01	8645	07	30.5	45D	SF		3	E		71		F
0494	RAMY	30	1158	1202	1220	S15	W25	8649	07	28.6	22	SF		3	E		15		F
0495	SVTO	30	1200	1213	1217	S15	W26	8649	07	28.5	17	SF		3	E		18		
0496	SVTO	30	1219	1221	1223	S16	W25	8649	07	28.6	4	SF		3	E		16		
0497	SVTO	30	1200	1210	1229	N23	E40	8651	08	2.6	29	SF		3	E		90		F
0498	RAMY	30	1204	1224	1247	N24	E41	8651	08	2.7	43	SF		3	E		14		F
0499	SVTO	30	1230	1230	1238	N25	E43	8651	08	2.8	8	SF		3	E		14		
0500	SVTO	30	1238	1243	1247	N25	E43	8651	08	2.8	9	SF		3	E		69		
0501		30	12523	12543	1310	N24	E41	8651	08	2.7	18	SF					73		
	SVTO	30	1252	1254	1316	N23	E41	8651	08	2.7	24	1F		3	E		112		
	KANZ	30	1253	1257	1305	N23	E40	8651	08	2.6	12	SF		2	C				
	RAMY	30	1255	1255	1300	N23	E41	8651	08	2.7	5	SF		3	E		21		
	HOLL	30	1257E	1257U	1319	N25	E42	8651	08	2.8	22D	SF		3	E		87		
0502	SVTO	30	1319	1320	1325	N25	E43	8651	08	2.9	6	SF		3	E		13		
0503	HOLL	30	1335	1337	1341	N25	E42	8651	08	2.8	6	SF		3	E		12		
0504		30	1344*	13518	1358	N24	E42	8651	08	2.8	14	SF					14		
	SVTO	30	1344	1351	1354	N25	E43	8651	08	2.9	10	SF		3	E		16		
	RAMY	30	1359	1359	1402	N24	E41	8651	08	2.7	3	SF		3	E		13		
0505		30	13558	14161	1446	N24	E42	8651	08	2.8	51	SF					42		
	SVTO	30	1355	1417	1427	N25	E42	8651	08	2.8	32	SF		3	E		47		
	HOLL	30	1403	1416	1506	N24	E41	8651	08	2.7	63	SF		3	E		37		

Hα SOLAR FLARES

JULY 1999

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
0506		30	1403*	14212	1432	N22	E40	8651	08	2.6	29	SF					30		FH
	RAMY	30	1403	1423	1435	N23	E40	8651	08	2.7	32	SF		3	E		30		FH
	KANZ	30	1417	1421	1429	N21	E41	8651	08	2.7	12	SF		2	C				
0507	RAMY	30	1455	1517	1551	N24	E39	8651	08	2.6	56	SF		3	E		82		FH
0508		30	1455	1456	1508	S24	W03	8645	07	30.4	13	SF					32		
	HOLL	30	1455	1456	1507	S24	W02	8645	07	30.5	12	SF		3	E		44		
	RAMY	30	1455	1456	1508	S23	W04	8645	07	30.3	13	SF		3	E		19		
0509	SVTO	30	1455	1455	1506	S26	W11	8645	07	29.8	11	SF		3	E		15		
0510	KANZ	30	1506	1506	1510D	S30	E13	8645	07	31.6	4D	SF		2	C				
0511		30	1508*	16052	1623	N24	E39	8651	08	2.6	75	1N					146		
	HOLL	30	1508	1605	1628	N24	E40	8651	08	2.7	80	1N		3	E		160		
	KANZ	30	1559	1607	1619	N24	E40	8651	08	2.7	20	1N		2	C				
	RAMY	30	1604	1606	1621	N24	E38	8651	08	2.6	17	1N		3	E		131		
0512		30	1516	15191	1617	S14	W27	8649	07	28.6	61	1N					140		FH
	SVTO	30	1516	1519	1625	S15	W29	8649	07	28.4	69	1B		3	E		136		
	RAMY	30	1516	1520	1614	S15	W28	8649	07	28.5	58	1B		3	E		141		FH
	HOLL	30	1516	1520	1614	S14	W27	8649	07	28.6	58	1N		3	E		143		
	KANZ	30	1532E		1615	S14	W25	8649	07	28.7	43D	1F		2	C				
0513	HOLL	30	1554	1554	1558	S26	E00	8645	07	30.7	4	SF		3	E		18		F
0514	HOLL	30	1636	1639	1640	N24	E40	8651	08	2.8	4	SF		3	E		25		
0515	HOLL	30	2137	2155	2213	N25	E38	8651	08	2.8	36	SN		3	E		57		
0516	HOLL	30	2214	2214	2254	N24	E38	8651	08	2.9	40	SF		3	E		31		
		30	2222		2230	No Flare Patrol													
		30	2240		2246	No Flare Patrol													
0517	HOLL	30	2323	2324	2326	N25	E33	8651	08	2.5	3	SF		3	E		24		
0518	HOLL	30	2329	2335	2343	N25	E38	8651	08	2.9	14	SF		3	E		81		F
0519	HOLL	30	2345	2348	2406	N26	E38	8651	08	2.9	21	SF		3	E		50		
0520	HOLL	30	2345	2350	2355	S22	W06	8645	07	30.5	10	SF		3	E		12		
0521		31	00071	0010*	0043	N24	E36	8651	08	2.8	36	SF					50		
	LEAR	31	0007	0010	0028	N22	E37	8651	08	2.8	21	SF		3	E		43		
	HOLL	31	0008	0024	0058	N25	E34	8651	08	2.6	50	SF		3	E		57		
0522	HOLL	31	0024	0024	0030	S19	W11	8645	07	30.2	6	SF		3	E		13		
0523	LEAR	31	0323	0323	0332	N21	E36	8651	08	2.9	9	SF		3	E		14		
0524	SVTO	31	0546	0549	0601	N25	E34	8651	08	2.9	15	SF		3	E		17		
0525	SVTO	31	0546	0546	0552	S25	E41	8658	08	3.4	6	SF		3	E		19		
0526	KANZ	31	0554E		0606	S20	E48	8658	08	3.9	12D	SF		2	C				
0527		31	07061	07091	0741	N16	E34	8650	08	2.9	35	SF					19		
	KANZ	31	0706	0710	0742	N18	E36	8650	08	3.0	36	SF		2	C				
	LEAR	31	0707	0709	0740	N15	E33	8650	08	2.8	33	SF		4	E		19		
0528		31	0851*	09268	1022	N25	E32	8651	08	2.8	91	SF					46		
	SVTO	31	0851	0926	1019	N25	E32	8651	08	2.8	88	SF		3	E		46		
	KANZ	31	0926	0934	1026	N25	E31	8651	08	2.8	60	SF		2	C				
0529	SVTO	31	0938	0940	0944	S26	W21	8645	07	29.8	6	SF		3	E		14		
0530	SVTO	31	0945	0945	0950	S26	W21	8645	07	29.8	5	SF		3	E		12		

Hα SOLAR FLARES

JULY 1999

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
		31	1044		1100	No Flare Patrol													
0531	SVTO	31	1156	1158	1211	N25	E31	8651	08	2.9	15	SF		3	E		24		
0532	RAMY	31	1212	1212	1226	N25	E29	8651	08	2.7	14	SF		3	E		21		FH
0533	RAMY	31	1212	1213	1223	S23	W16	8645	07	30.3	11	SF		3	E		37		FH
0534		31	1252	1252	1300	N25	E30	8651	08	2.9	8	SF					14		
	RAMY	31	1252	1252	1259	N25	E29	8651	08	2.8	7	SF		3	E		12		
	SVTO	31	1252	1252	1302	N25	E30	8651	08	2.9	10	SF		3	E		17		
0535	HOLL	31	1348	1352	1357	N16	E30	8650	08	2.8	9	SF		3	E		11		
0536		31	1356	1359	1410	N25	E29	8651	08	2.8	14	SF					27		FH
	HOLL	31	1356	1359	1409	N24	E28	8651	08	2.7	13	SF		3	E		18		
	SVTO	31	1356	1359	1410	N25	E30	8651	08	2.9	14	SF		3	E		31		
	RAMY	31	1356	1359	1410	N25	E29	8651	08	2.8	14	SF		3	E		32		FH
0537	RAMY	31	1358	1358	1403	S20	W17	8645	07	30.3	5	SF		3	E		14		F
0538		31	14141	14171	1422	S22	W16	8645	07	30.4	8	SF					20		
	HOLL	31	1414	1418	1420	S23	W15	8645	07	30.4	6	SF		3	E		17		
	RAMY	31	1415	1417	1423	S22	W17	8645	07	30.3	8	SF		3	E		22		
0539		31	14221	14231	1444	N25	E29	8651	08	2.8	22	SF					25		FH
	HOLL	31	1422	1424	1448	N25	E28	8651	08	2.8	26	SF		3	E		34		
	SVTO	31	1423	1423	1444	N25	E29	8651	08	2.8	21	SF		3	E		15		
	RAMY	31	1423	1424	1441	N25	E29	8651	08	2.8	18	SF		3	E		26		FH
0540		31	16052	16111	1626	N25	E27	8651	08	2.8	21	SF					89		F
	RAMY	31	1605	1611	1623	N25	E27	8651	08	2.8	18	SF		3	E		92		F
	SVTO	31	1605	1611	1634	N25	E28	8651	08	2.8	29	SF		3	E		79		
	HOLL	31	1607	1612	1621	N25	E26	8651	08	2.7	14	SF		3	E		96		
0541	HOLL	31	1612	1612	1617	S22	W12	8645	07	30.7	5	SF		3	E		17		
0542	HOLL	31	1752	1754	1814	N02	E00	8645	07	31.7	22	1F		3	E		110		
0543	HOLL	31	1823	1825	1828	N25	E24	8651	08	2.6	5	SF		3	E		30		
		31	1849		1912	No Flare Patrol													
		31	1918		1925	No Flare Patrol													
0544	RAMY	31	1928	1929U	2020D	N25	E26	8651	08	2.8	52D	SF		3	E		15		
		31	1934		2013	No Flare Patrol													
		31	2028		2221	No Flare Patrol													
		31	2228		2312	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