

H $\alpha$  SOLAR FLARES

MARCH 1998

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
														Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		01	0044		0052		No Flare Patrol										
0001	LEAR	01	0208	0208	0216	S21 W56	8169	02	24.9	8	SF	3	E		10		
0002	URUM	01	0210	0217	0224	S19 W59	8169	02	24.7	14	SN		C		16	0.3	D
0003	SVTO	01	1107	1107	1112	S17 W66	8169	02	24.5	5	SF	3	E		16		
0004		01	13023	1306	1314	S18 W68	8169	02	24.5	12	SF				45		H
	RAMY	01	1302	1306	1316	S18 W67	8169	02	24.5	14	SF	4	E		54		H
	SVTO	01	1305	1306	1311	S17 W69	8169	02	24.4	6	SF	3	E		36		H
0005		01	2014	2020	2025	S24 W23	8171	02	28.1	11	SF				21		F
	RAMY	01	2011E	2011U	2100D	S24 W23	8171	02	28.1	49D	SF	4	E		12		
	HOLL	01	2014	2020	2025	S23 W23	8171	02	28.1	11	SF	3	E		30		F
0006	URUM	02	0232	0238	0248	S25 W25	8171	02	28.2	16	SB		C		80	1.0	E
0007	LEAR	02	0329	0330	0335	S24 W26	8171	02	28.1	6	SF	3	E		16		
0008	LEAR	02	0424	0433	0437	S23 W28	8171	02	28.0	13	SF	3	E		14		F
0009	LEAR	02	0439	0441	0443	S24 W27	8171	02	28.1	4	SF	3	E		17		F
0010	URUM	02	0641E	0641	0649	S22 W29	8171	02	28.0	8D	SB		P		48	0.6	D
0011	KANZ	02	0808	0808	0816	S24 W27	8171	02	28.2	8	SF	2	C				
		02	1133		1139	No Flare Patrol											
0012		02	1208	12081	1221	S24 W33	8171	02	28.0	13	SF				18		F
	KANZ	02	1208	1208	1220	S25 W32	8171	02	28.0	12	SF	2	C				
	RAMY	02	1208	1209	1222	S24 W33	8171	02	28.0	14	SF	4	E		19		F
	SVTO	02	1216E	1217U	1222D	S23 W33	8171	02	28.0	6D	SF	3	E		17		
0013	HOLL	02	1357E	1400U	1418	S22 W46	8171	02	27.1	21D	SF	3	E		81		F
0014	HOLL	02	2019	2019	2021	S22 W37	8171	02	28.0	2	SF	3	E		20		F
0015	HOLL	02	2025	2028	2036	S23 W35	8171	02	28.1	11	SF	3	E		50		F
0016	HOLL	02	2059	2103	2111	S22 W36	8171	02	28.1	12	SF	3	E		19		F
0017	HOLL	02	2148	2151	2153	S22 W36	8171	02	28.1	5	SF	3	E		10		F
0018	HOLL	02	2253	2256	2258	S22 W37	8171	02	28.1	5	SF	3	E		10		F
0019	HOLL	02	2304	2308	2312	S22 W37	8171	02	28.1	8	SF	3	E		34		F
0020	HOLL	02	2326	2334	2337	S21 W38	8171	02	28.1	11	SF	3	E		10		F
		03	0044		0046	No Flare Patrol											
		03	0128		0221	No Flare Patrol											
0021	LEAR	03	0248	0250	0259	S24 W38	8171	02	28.2	11	SF	3	E		28		F
0022	LEAR	03	0303	0309	0316	S24 W39	8171	02	28.1	13	SF	3	E		52		F
		03	0340		0407	No Flare Patrol											
		03	0455		0502	No Flare Patrol											
0023		03	07191	07202	0728	S22 W43	8171	02	28.0	9	SF				54		
	SVTO	03	0719	0722	0729	S22 W43	8171	02	28.0	10	SF	3	E		62		
	LEAR	03	0720	0720	0728	S23 W43	8171	02	28.0	8	SF	3	E		45		
0024	KANZ	03	0816	0816	0820	S25 W45	8171	02	27.9	4	SF	2	C				
0025	SVTO	03	0908	0918	0921	S22 W43	8171	02	28.1	13	SF	3	E		17		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0026	SVTO	03	0930	0939	1021	S24	W41	8171	02	28.2	51	SF		3	E		62		F
0027		03	11032	11052	1120	S23	W42	8171	02	28.2	17	SF					11		F
	KANZ	03	1103	1107	1111D	S24	W42	8171	02	28.2	8D	SF		2	C				F
	SVTO	03	1105	1105	1120	S22	W43	8171	02	28.1	15	SF		3	E		11		F
0028		03	1128	1131	1138	S22	W40	8171	02	28.4	10	SF					12		
	SVTO	03	1128	1131	1137	S21	W43	8171	02	28.2	9	SF		3	E		12		
	KANZ	03	1131E	1131U	1139	S24	W38	8171	02	28.5	8D	SF		2	C				
0029		03	12252	12272	1232	S24	W42	8171	02	28.3	7	SF					11		
	SVTO	03	1225	1229	1232	S23	W44	8171	02	28.1	7	SF		3	E		11		
	KANZ	03	1227	1227	1231	S26	W40	8171	02	28.4	4	SF		2	C				
0030		03	13173	13234	1347	S22	W45	8171	02	28.1	30	SF					26		FH
	RAMY	03	1317	1327	1417	S21	W45	8171	02	28.1	60	SF		4	E		39		FH
	KANZ	03	1319	1323	1331	S23	W44	8171	02	28.2	12	SF		2	C				
	SVTO	03	1320	1329U	1333	S21	W45	8171	02	28.1	13	SF		3	E		14		F
0031	KANZ	03	1347	1351	1403	S26	W43	8171	02	28.2	16	SF		2	C				
0032		03	13592	1407	1415	S22	W46	8171	02	28.0	16	SF					54		F
	HOLL	03	1357E	1400U	1418	S22	W46	8171	02	28.0	21D	SF		3	E		81		F
	KANZ	03	1359	1407	1415	S24	W44	8171	02	28.2	16	SF		2	C				
	SVTO	03	1401	1401U	1413	S21	W47	8171	02	28.0	12	SF		3	E		26		F
0033	RAMY	03	1424	1424	1429	S21	W45	8171	02	28.2	5	SF		4	E		23		
0034		03	2026*	2028*	2044	S23	W46	8171	02	28.3	18	SF					26		
	RAMY	03	2026	2028	2040	S23	W46	8171	02	28.3	14	SF		3	E		20		
	HOLL	03	2039	2040	2048	S23	W47	8171	02	28.2	9	SF		3	E		31		
0035	HOLL	03	2135	2139	2149	S21	W49	8171	02	28.1	14	SF		3	E		19		
0036	HOLL	03	2151	2152	2157	S21	W52	8171	02	28.0	6	SF		3	E		12		
0037	HOLL	03	2158	2208	2230	S22	W49	8171	02	28.1	32	SF		3	E		90		
0038	HOLL	03	2328	2332	2338	S22	W50	8171	02	28.1	10	SF		3	E		17		
0039	HOLL	03	2342	2348	2350	S21	W52	8171	02	28.0	8	SF		3	E		12		
		04	0057		0058	No Flare Patrol													
0040	LEAR	04	0129	0129	0135	S25	W49	8171	02	28.3	6	SF		4	E		20		
		04	0158		0207	No Flare Patrol													
		04	0230		0236	No Flare Patrol													
		04	0242		0250	No Flare Patrol													
0041	LEAR	04	0338	0344	0347	S25	W49	8171	02	28.3	9	SF		4	E		17		
0042	LEAR	04	0555	0556	0606	S24	W53	8171	02	28.1	11	SF		4	E		15		
0043	SVTO	04	0714	0716	0726	S24	W53	8171	02	28.2	12	SF		3	E		56		F
0044	SVTO	04	1134	1138	1141	S24	W55	8171	02	28.2	7	SF		3	E		12		
0045		04	1734	17351	1742	S21	W64	8171	02	27.9	8	SF					48		H
	RAMY	04	1734	1735	1743	S22	W63	8171	02	28.0	9	SF		4	E		45		H
	HOLL	04	1734	1736	1742	S20	W64	8171	02	27.9	8	SF		3	E		51		H
0046		04	1913	1914	1925	S25	W59	8171	02	28.2	12	SF					26		F
	RAMY	04	1912E	1914U	1927D	S26	W58	8171	02	28.3	15D	SF		4	E		22		F
	HOLL	04	1913	1914	1925	S24	W60	8171	02	28.2	12	SF		3	E		30		
0047	RAMY	04	1941	1943	1945	S25	W56	8171	02	28.5	4	SF		3	E		11		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
															Apparent (10-6 Disk)	Corr (Sq Deg)	
0048		04	21322	2134	2144	S22	W60 8171	02 28.3	12	SF					16		F
	RAMY	04	2132	2134U	2145D	S23	W61 8171	02 28.2	13D	SF		2	E		12		F
	HOLL	04	2134	2134	2144	S22	W59 8171	02 28.4	10	SF		3	E		21		F
0049	LEAR	05	0018	0020	0029	S24	W63 8171	02 28.1	11	SF		3	E		19		
		05	0037		0332	No Flare Patrol											
0050	LEAR	05	0343	0355	0408	S24	W65 8171	02 28.1	25	SF		3	E		23		
0051	LEAR	05	0446	0446	0451	S24	W65 8171	02 28.2	5	SF		3	E		10		
0052	LEAR	05	0807	0814	0822	S24	W67 8171	02 28.2	15	SF		3	E		22		
0053		05	09091	0911	0916	S25	W70 8171	02 28.0	7	SF					60		
	LEAR	05	0909	0911	0916	S26	W72 8171	02 27.9	7	SF		3	E		54		
	SVTO	05	0910	0911	0917	S24	W67 8171	02 28.2	7	SF		3	E		65		
0054	SVTO	05	0939	0940	0944	S24	W67 8171	02 28.2	5	SF		3	E		14		
0055		05	12051	1209	1230	S24	W68 8171	02 28.2	25	SF					28		
	SVTO	05	1205	1209	1234	S24	W69 8171	02 28.2	29	SF		3	E		44		
	RAMY	05	1206	1209U	1225	S23	W66 8171	02 28.4	19	SF		3	E		11		
0056	RAMY	05	1300	1325	1343	S23	W71 8171	02 28.1	43	SF		4	E		47		
0057		05	1506	15061	1510	S24	W75 8171	02 27.9	4	SF					44		H
	RAMY	05	1506	1506	1510	S25	W74 8171	02 28.0	4	SF		4	E		28		H
	HOLL	05	1506	1507	1510	S22	W76 8171	02 27.9	4	SF		3	E		61		
0058	HOLL	05	1720	1721	1723	S18	W92 8171	02 26.8	3	SF		3	E		19		
0059	HOLL	05	1825	1825	1829	S20	W93 8171	02 26.7	4	SF		3	E		19		
0060	HOLL	05	2009	2010	2026	N24	W46 8172	03 2.3	17	1F		3	E		107		
		05	2226		2254	No Flare Patrol											
0061	LEAR	05	2315E	2318	2321	S24	W75 8171	02 28.2	6D	SF		3	E		53		
		06	0032		0039	No Flare Patrol											
0062	LEAR	06	0126	0128	0134	S24	W77 8171	02 28.1	8	SF		3	E		47		
0063	KANZ	06	1128	1128	1132	S27	W80 8171	02 28.2	4	SF		2	C				
		06	1642		1704	No Flare Patrol											
		06	1733		1801	No Flare Patrol											
		06	1845		1945	No Flare Patrol											
		06	1953		2051	No Flare Patrol											
		06	2059		2154	No Flare Patrol											
		06	2243		2251	No Flare Patrol											
		07	1821		1915	No Flare Patrol											
		07	1951		2259	No Flare Patrol											
0064	LEAR	08	0525	0525	0530	S41	E66 8176	03 13.6	5	SF		4	E		21		
		08	1021		1033	No Flare Patrol											
		08	2120		2133	No Flare Patrol											
		08	2138		2159	No Flare Patrol											
		08	2206		2213	No Flare Patrol											
		08	2220		2231	No Flare Patrol											
		08	2243		2253	No Flare Patrol											
0065	LEAR	09	0457	0458	0501	S42	E51 8176	03 13.4	4	SF		3	E		36		
		09	0956		1109	No Flare Patrol											
		09	2213		2224	No Flare Patrol											

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF CMD Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
													Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0066	HOLL	09 2315	2317	2320	S43	E41 8176	03 13.3	5	SF		3	E		23		
0067		09 2323	2326	2334	S42	E42 8176	03 13.4	11	SF					38		F
	HOLL	09 2323	2326	2335	S43	E42 8176	03 13.4	12	SF		3	E		65		
	LEAR	09 2327	2330	2332	S42	E41 8176	03 13.3	5	SF		3	E		10		F
		10 0026		0103	No Flare Patrol											
		11 1057		1105	No Flare Patrol											
0068	KANZ	11 1106E	1106U	1115	S17	W08 8174	03 10.8	9D	SF		2	C				
		11 1107		1114	No Flare Patrol											
0069	HOLL	11 1446	1448	1453	S27	E56 8179	03 16.0	7	SF		3	E		24		
0070	HOLL	11 1527	1531	1534	S41	E20 8176	03 13.3	7	SF		3	E		18		
0071	RAMY	11 1543	1545	1552D	S29	E60 8179	03 16.3	9D	SF		3	E		22		
0072	HOLL	11 2133	2138	2154	S42	E18 8176	03 13.4	21	SF		3	E		25		
0073	KANZ	12 1106	1110	1114D	N21	E78	03 18.4	8D	SF		2	C				
0074	URUM	13 0413	0420	0428	S19	W76 8173	03 7.4	15	SB			C		32		D
		13 1018		1051	No Flare Patrol											
0075	RAMY	13 1058E	1058U	1110	S18	W76 8173	03 7.7	12D	SF		2	E		14		
0076		13 1547	1548	1552	S30	E34 8180	03 16.3	5	SF					25		
	RAMY	13 1547	1548	1551	S29	E35 8180	03 16.4	4	SF		3	E		22		
	HOLL	13 1547	1548	1553	S30	E34 8180	03 16.3	6	SF		3	E		28		
		13 2048		2053	No Flare Patrol											
0077	HOLL	13 2103	2111	2117	S16	W83 8173	03 7.6	14	SF		3	E		45		
		13 2126		2149	No Flare Patrol											
0078	HOLL	13 2206	2209	2215	S24	E29 8179	03 16.2	9	SF		3	E		19		
		13 2232		2236	No Flare Patrol											
0079	HOLL	13 2239	2239	2302D	N18	E62	03 18.7	23D	SF		3	E		17		F
		13 2243		2255	No Flare Patrol											
0080	URUM	14 0441	0445	0452	S25	E18 8179	03 15.6	11	SN			C		32	0.4	D
		14 0816		0818	No Flare Patrol											
		14 1006		1045	No Flare Patrol											
0081		14 1117	1118	1141	S24	E18 8179	03 15.9	24	SF					31		F
	SVTO	14 1110E	1111U	1129D	S25	E20 8179	03 16.0	19D	SF		3	E		28		F
	RAMY	14 1117	1118	1141	S23	E15 8179	03 15.6	24	SF		3	E		34		F
		14 1246		1446	No Flare Patrol											
0082	RAMY	14 1446	1448	1503	S21	E16 8179	03 15.8	17	SF		3	E		41		F
0083	RAMY	14 1625	1625	1629	S23	E13 8179	03 15.7	4	SF		3	E		26		
0084		14 1718*	17302	1737	S22	E13 8179	03 15.7	19	SF					22		F
	HOLL	14 1718	1732	1737	S23	E13 8179	03 15.7	19	SF		3	E		22		F
	RAMY	14 1729	1730	1737	S21	E13 8179	03 15.7	8	SF		3	E		23		
0085		14 1753	1753	1801	S22	E12 8179	03 15.7	8	SF					18		F
	HOLL	14 1753	1753	1801	S22	E12 8179	03 15.7	8	SF		3	E		25		F
	RAMY	14 1753	1753	1801	S21	E11 8179	03 15.6	8	SF		3	E		12		

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															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0086	HOLL	14	1811	1811	1829	S22	E11	8179	03	15.6	18	SF	3	E		27		
0087	HOLL	14	1856	1858	1906	S22	E11	8179	03	15.6	10	SF	3	E		24		F
			14 1934		1949	No Flare Patrol												
			14 1959		2021	No Flare Patrol												
			14 2025		2317	No Flare Patrol												
0088	LEAR	15	0121	0122	0124	S28	E10	8179	03	15.8	3	SF	3	E		11		
0089	LEAR	15	0315	0317	0319	S28	E09	8179	03	15.8	4	SF	3	E		15		
0090	LEAR	15	0342	0349	0352	S28	E09	8179	03	15.8	10	1F	3	E		238		
0091	URUM	15	0500	0511	0515	S24	E10	8179	03	16.0	15	SN		C		32	0.3	E
			15 0524		0701	No Flare Patrol												
			15 0851		0856	No Flare Patrol												
			15 0901		1046	No Flare Patrol												
0092	RAMY	15	1109E	1110U	1118	S21	E03	8179	03	15.7	9D	SF	2	E		20		F
0093	RAMY	15	1154E	1154	1207	S20	E00	8179	03	15.5	13D	SF	3	E		30		F
0094	RAMY	15	1309	1310	1315	S23	W01	8179	03	15.5	6	SF	4	E		23		F
0095		15	1441	1442	1539	S24	E02	8179	03	15.8	58	SF				43		F
	RAMY	15	1441	1442	1539	S23	E03	8179	03	15.8	58	SF	4	E		36		F
	SVTO	15	1441E	1447U	1552D	S25	E01	8179	03	15.7	71D	SF	3	E		50		F
0096		15	1606	1616	1720	S23	W02	8179	03	15.5	74	1F				98		FU
	RAMY	15	1606	1616	1720	S23	W03	8179	03	15.4	74	1F	3	E		106		UF
	SVTO	15	1610E	1614U	1620D	S23	W02	8179	03	15.5	10D	SF	3	E		91		F
0097		15	1736	1706*	1759	S22	W01	8179	03	15.6	23	SF				46		F
	HOLL	15	1636E	1706	1755D	S22	W01	8179	03	15.6	79D	SF	3	E		59		F
	RAMY	15	1736	1747	1759	S23	W01	8179	03	15.6	23	SF	3	E		34		F
0098	HOLL	15	1913	1921	1943	S21	W03	8179	03	15.6	30	1B	3	E		100		F
0099	HOLL	15	1955	2001	2008	S23	W06	8179	03	15.4	13	SF	3	E		19		
0100	HOLL	15	2111	2111	2118	S25	E01	8179	03	16.0	7	SF	3	E		23		
			15 2131		2154	No Flare Patrol												
0101	HOLL	15	2155	2247	2301D	S23	W01	8179	03	15.8	66D	SF	3	E		48		
			15 2206		2213	No Flare Patrol												
			15 2223		2243	No Flare Patrol												
			16 0034		0206	No Flare Patrol												
0102	LEAR	16	0201	0208	0210	S25	W01	8179	03	16.0	9	SF	3	E		20		
			16 0259		0353	No Flare Patrol												
0103	LEAR	16	0547	0552	0603	S25	W03	8179	03	16.0	16	SF	4	E		22		
0104	LEAR	16	0645	0649	0657	S23	W08	8179	03	15.7	12	SF	4	E		14		
0105	LEAR	16	0739	0815	0842	S20	W09	8179	03	15.6	63	SF	4	E		56		
0106	LEAR	16	0925	0926	0929	S25	W05	8179	03	16.0	4	SF	4	E		10		
0107		16	1055	1156	1306	S23	W12	8179	03	15.5	131	1N				147		FH
	SVTO	16	1055	1156	1312	S23	W12	8179	03	15.5	137	1F	3	E		163		FH
	RAMY	16	1059E	1156	1300	S23	W11	8179	03	15.6	121D	1N	3	E		131		FH
0108	HOLL	16	1618	1618	1627	S25	W09	8179	03	16.0	9	SF	3	E		14		

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Area Measurement			Remarks
							Region	Mo Day							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0109		16 16384	16462	1704	S24	W14	8179	03	15.6	26	SF				32		F	
	HOLL	16 1638	1648	1708	S24	W15	8179	03	15.5	30	SF	3	E		39		F	
	RAMY	16 1642	1646	1659	S23	W14	8179	03	15.6	17	SF	4	E		26		F	
0110	RAMY	16 1715	1724	1738	S23	W13	8179	03	15.7	23	SF	4	E		23		F	
0111		16 1710*	17514	1814	S24	W12	8179	03	15.8	64	2F				196		F	
	HOLL	16 1710	1755	1818	S25	W10	8179	03	15.9	68	2F	2	E		281		F	
	RAMY	16 1750	1751	1811	S22	W14	8179	03	15.7	21	1F	3	E		112			
0112		16 18332	1836	1928	S24	W14	8179	03	15.7	55	1F				82		F	
	RAMY	16 1833	1836	1927	S23	W13	8179	03	15.8	54	SF	4	E		57		F	
	HOLL	16 1835	1836	1929	S24	W15	8179	03	15.6	54	1F	3	E		107			
0113	HOLL	16 1933	1936	1938	S23	W17	8179	03	15.5	5	SF	3	E		14			
0114		16 1953*	2013*	2111	S24	W16	8179	03	15.6	78	SF				58			
	HOLL	16 1953	2013	2125	S25	W17	8179	03	15.5	92	SF	3	E		92			
	RAMY	16 2006	2025	2057	S23	W15	8179	03	15.7	51	SF	4	E		25			
0115	HOLL	16 2126	2131	2153	S21	W17	8179	03	15.6	27	SF	3	E		64		F	
		16 2205		2400	No Flare Patrol													
		17 0000		0024	No Flare Patrol													
		17 0035		0049	No Flare Patrol													
		17 0103		0158	No Flare Patrol													
0116	LEAR	17 0323	0323	0334	S22	W19	8179	03	15.7	11	SF	4	E		24		F	
0117	LEAR	17 0423	0424	0456	S21	W21	8179	03	15.6	33	SF	3	E		25			
0118	SVTO	17 0829	0829	0836	S23	W21	8179	03	15.7	7	SF	3	E		14		F	
0119	KANZ	17 1041E	1041U	1041D	S23	W23	8179	03	15.7	7D	SF	2	C					
		17 1046		1052	No Flare Patrol													
0120	SVTO	17 1059E	1059U	1107	S23	W23	8179	03	15.7	8D	SF	3	E		16		F	
0121	RAMY	17 1255	1257	1303D	S20	W23	8179	03	15.8	8D	SF	3	E		16			
0122	SVTO	17 1311	1311	1325	S21	W26	8179	03	15.5	14	SF	3	E		31		F	
0123		17 1332E	1332U	1350	S23	W22	8179	03	15.9	18D	1F				120			
	HOLL	17 1332E	1332U	1354	S25	W20	8179	03	16.0	22D	1F	2	E		175			
	RAMY	17 1333E	1333U	1346	S21	W23	8179	03	15.8	13D	SF	3	E		66			
0124	HOLL	17 1413	1417	1422	S25	W21	8179	03	16.0	9	SF	3	E		13		F	
		17 2001		2042	No Flare Patrol													
		17 2157		2250	No Flare Patrol													
0125	LEAR	17 2316	2316	2320	S25	W25	8179	03	16.0	4	SF	3	E		12			
		18 0000		0124	No Flare Patrol													
0126	LEAR	18 0013	0014	0021	S21	W31	8179	03	15.6	8	SF	4	E		22		F	
0127	LEAR	18 0036	0048	0052	S21	W31	8179	03	15.6	16	SF	4	E		14		F	
0128	LEAR	18 0258	0302	0311	S17	W35	8179	03	15.5	13	SF	4	E		33		EF	
		18 0517		0540	No Flare Patrol													
0129		18 1048*	11128	1152	S26	W30	8180	03	16.1	64	1B				273	3.4	E	
	KANZ	18 1048	1112	1152	S27	W30	8180	03	16.1	64	1N	2	C					
	URUM	18 1105	1120	1124D	S26	W30	8180	03	16.1	19D	1B		P		273	3.4	E	
0130	RAMY	18 1517	1517	1526	S24	W38	8179	03	15.7	9	SF	4	E		10			



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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF CMD Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks
											Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		21 1502		1543		No Flare Patrol								
		21 1550		1655		No Flare Patrol								
0152	HOLL	21 1826	1827	1832	S21 W83	8179	03 15.4	6	SF	3 E		28		
0153	HOLL	21 2249	2249	2254	S27 E71	8185	03 27.5	5	SF	3 E		21		
		22 0110		0112		No Flare Patrol								
		22 0304		0541		No Flare Patrol								
0154		22 0652	0700	0715	S28 E68	8185	03 27.6	23	1N			101		F
	LEAR	22 0652	0700	0715	S28 E69	8185	03 27.7	23	1N	3 E		112		
	SVTO	22 0656E	0658U	0700D	S28 E67	8185	03 27.5	4D	SF	3 E		90		F
		22 0704		0714		No Flare Patrol								
0155	SVTO	22 1107E	1109U	1121D	N21 E12	8183	03 23.4	14D	SF	3 E		24		F
0156	HOLL	22 1634	1634	1641	S28 E72	8185	03 28.3	7	SF	3 E		38		
0157	HOLL	22 1811	1813	1820	S28 E63	8185	03 27.7	9	SF	3 E		14		
0158	HOLL	22 2026	2029	2032	S28 E60	8185	03 27.5	6	SF	3 E		15		
0159	HOLL	22 2134	2136	2143	S26 E60	8185	03 27.6	9	SF	3 E		30		
0160	HOLL	22 2257	2257	2301	S27 E59	8185	03 27.5	4	SF	3 E		11		
		22 2352		2357		No Flare Patrol								
		23 0010		0040		No Flare Patrol								
		23 0046		0055		No Flare Patrol								
		23 0553		0612		No Flare Patrol								
0161	SVTO	23 0832	0833	0844	N21 E01	8183	03 23.4	12	SF	3 E		19		
		23 2005		2015		No Flare Patrol								
		23 2225		2320		No Flare Patrol								
		23 2325		2357		No Flare Patrol								
		24 0000		0819		No Flare Patrol								
		24 0917		0919		No Flare Patrol								
		24 1014		1044		No Flare Patrol								
0162	KANZ	24 1253	1257	1301	S21 E50	8185	03 28.4	8	SF	2 C				
0163	HOLL	24 1531	1532	1534	S27 E42	8185	03 27.9	3	SF	3 E		10		
0164	HOLL	24 1559	1600	1603	N21 W18	8183	03 23.3	4	SF	3 E		20		
0165	HOLL	24 1803	1804	1811	N22 W19	8183	03 23.3	8	SF	3 E		17		
0166	HOLL	24 1835	1837	1846	S27 E41	8185	03 28.0	11	SF	3 E		37		
0167	HOLL	24 1913	1916	1925	S27 E41	8185	03 28.0	12	SF	3 E		22		F
0168	HOLL	24 1926	1927	1929	S27 E41	8185	03 28.0	3	SF	3 E		11		
		25 0146		0153		No Flare Patrol								
		25 0241		0253		No Flare Patrol								
		25 0545		0633		No Flare Patrol								
		25 0844		0846		No Flare Patrol								
		25 1048		1058		No Flare Patrol								
0169	KANZ	25 1131	1135	1139	S26 E32	8185	03 28.0	8	SF	2 C				
0170		25 1147	1147	1155	S28 E38	8185	03 28.5	8	SF			28		
	RAMY	25 1146E	1148U	1151D	S29 E38	8185	03 28.5	5D	SF	3 E		28		
	KANZ	25 1147	1147	1155	S27 E38	8185	03 28.4	8	SF	2 C				



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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	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0171		25	16172	16194	1634	N18	W24	8183	03	23.8	17	SF					32		F
	HOLL	25	1617	1623	1633	N19	W23	8183	03	23.9	16	SF		3	E		32		F
	KANZ	25	1619	1619	1635	N18	W24	8183	03	23.8	16	SF		2	C				
0172	HOLL	25	1713	1715	1725	S25	E24	8185	03	27.6	12	SF		3	E		22		
0173	HOLL	25	1843	1844	1846	S25	E24	8185	03	27.6	3	SF		3	E		10		
0174	HOLL	25	2245	2247	2250	S30	E33	8185	03	28.5	5	SF		3	E		12		
0175	HOLL	26	0002	0004	0021D	S26	E22	8185	03	27.7	19D	SF		3	E		16		F
		26	0014		0018	No Flare Patrol													
		26	0022		0115	No Flare Patrol													
0176	URUM	26	0250	0254	0254D	N22	W35	8183	03	23.4	4D	SN			P		32	0.5	D
0177	URUM	26	0250E	0250	0255	S43	W32		03	23.5	5D	SB			P		80	1.2	E
		26	0255		0312	No Flare Patrol													
		26	0324		0349	No Flare Patrol													
		26	0511		0548	No Flare Patrol													
		26	0602		0713	No Flare Patrol													
0178	KANZ	26	0818	0818	0826	N25	E42	8188	03	29.6	8	SF		2	C				
0179		26	12473	1254	1405	S26	E18	8185	03	27.9	78	2B					333		FH
	RAMY	26	1247	1254	1348	S26	E19	8185	03	28.0	61	2B		4	E		333		FH
	KANZ	26	1250	1254	1422	S26	E18	8185	03	27.9	92	2N		2	C				
0180	KANZ	26	1554	1558	1618	N32	E53	8188	03	30.8	24	SF		2	C				
		26	1703		1722	No Flare Patrol													
		26	1921		1941	No Flare Patrol													
		26	2020		2114	No Flare Patrol													
		26	2122		2200	No Flare Patrol													
		26	2204		2400	No Flare Patrol													
		27	0000		0016	No Flare Patrol													
		27	0024		0155	No Flare Patrol													
		27	0228		0323	No Flare Patrol													
		27	0347		0430	No Flare Patrol													
		27	0458		0513	No Flare Patrol													
	0181		27	1310	13154	1358	S26	W10	8189	03	26.8	48	SF					36	
SVTO		27	1310	1319	1355	S25	W11	8189	03	26.7	45	SF		3	E		36		F
KANZ		27	1311E	1315	1400	S26	W08	8189	03	26.9	49D	SF		2	C				
0182		27	15591	1600	1610	S27	W03	8185	03	27.4	11	SF					16		F
	RAMY	27	1559E	1600U	1610D	S27	W02	8185	03	27.5	11D	SF		3	E		13		F
	HOLL	27	1559	1600	1612	S28	W03	8185	03	27.4	13	SF		3	E		23		F
	SVTO	27	1600	1600	1607	S26	W04	8185	03	27.3	7	SF		3	E		12		F
0183		27	2153	2225*	2430	S26	W04	8185	03	27.6	157	2N					448		FU
	HOLL	27	2153	2225	2430	S24	W03	8185	03	27.7	157	3N		3	E		859		UF
	LEAR	27	2319E	2341	2429	S28	W05	8185	03	27.6	70D	SF		3	E		36		
0184	LEAR	28	0513	0514	0519	N23	W61	8183	03	23.5	6	SF		3	E		25		
0185		28	07121	07142	0736	N23	W64	8183	03	23.4	24	SF					52		EF
	SVTO	28	0712	0714	0737	N25	W64	8183	03	23.3	25	SF		3	E		58		F
	KANZ	28	0712E	0716	0736	N21	W64	8183	03	23.4	24D	SF		2	C				
	LEAR	28	0713	0714	0735	N23	W63	8183	03	23.4	22	SF		4	E		45		E
0186	KANZ	28	0855	0904	0908	N21	W64	8183	03	23.5	13	SF		2	C				
0187	KANZ	28	0928	0932	0944	N21	W64	8183	03	23.5	16	SF		2	C				
0188	SVTO	28	1131E	1137U	1150D	S26	W26	8189	03	26.4	19D	SF		3	E		21		F
		29	0010		0137	No Flare Patrol													

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF CMD	Region	CMP Mo	Dur Day	Imp (Min)	Xray Opt	Obs See	Type	Area Measurement			Remarks		
														Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)			
0189	LEAR	29 0717	0718	0733	N36	W39	8119	03	26.2	16	SF	3	E		27				
0190	LEAR	29 0857	0858	0905	N30	W08	8122	03	28.7	8	SF	3	E		13				
		29 1844		1909	No Flare Patrol														
		29 1930		1941	No Flare Patrol														
0191	LEAR	30 0607	0609	0613	N32	W05	8122	03	29.8	6	SF	3	E		19			F	
0192	KANZ	30 1404	1408	1424	S26	W40	8185	03	27.5	20	SF	2	C						
0193	HOLL	30 1534	1544	1548	S24	W40	8185	03	27.5	14	SF	3	E		17				
0194	HOLL	30 1557	1558	1602	S24	W40	8185	03	27.6	5	SF	3	E		15				
0195	HOLL	30 2013	2014	2016	S25	E51	8190	04	3.8	3	SF	3	E		20				
0196	HOLL	30 2013	2014	2017	S25	W46	8189	03	27.3	4	SF	3	E		25				
		30 2047		2400	No Flare Patrol														
		31 0000		0017	No Flare Patrol														
0197	LEAR	31 0258	0300	0315	S23	E34	8190	04	2.7	17	SF	3	E		21				
0198	URUM	31 0313E	0313	0325	S22	E47	8190	04	3.7	12D	SF		P		32	0.5		D	
0199	URUM	31 0313E	0313	0317	S26	W50	8189	03	27.2	4D	SN		P		32	0.5		D	
0200	URUM	31 0325E	0325	0329	S24	W42	8185	03	27.9	4D	SN		P		32	0.5		D	
0201	URUM	31 0329	0333	0344	S26	W47	8189	03	27.5	15	SB		C		48	0.7		D	
0202	URUM	31 0341	0344	0344D	S26	W49	8189	03	27.3	3D	SF		P		32	0.5		D	
0203	LEAR	31 0545	0548	0552	S21	E50	8190	04	4.1	7	SF	3	E		17				
0204	KANZ	31 0628	0628	0632	S23	W38	8185	03	28.3	4	SF	2	C						
0205	LEAR	31 0730	0734	0748	S26	W63	8189	03	26.4	18	SF	3	E		14			F	
	SVTO	31 0730E	0740U	0819D	S29	W68	8189	03	26.0	49D	SF	2	E		23			F	
	KANZ	31 0732	0736	0800	S29	W60	8189	03	26.6	28	SF	2	C						
0206	LEAR	31 0751	0753	0805	S25	E42	8190	04	3.6	14	SF	3	E		11				
0207	KHAR	31 0900	0904	0920	S22	E42	8190	04	3.6	20	SF				160	2.1		EHL	
	KANZ	31 0855E	0900U	0920	S22	E43	8190	04	3.6	25D	SF	2	P	0906	160	2.1		HLE	
	KANZ	31 0900	0904	0920	S22	E42	8190	04	3.6	20	SF	2	C						
0208	LEAR	31 0934	0935	0938	S29	W67	8189	03	26.1	4	SF	3	E		15				
0209	KHAR	31 0935	0937	0948	S26	W52	8185	03	27.5	13	SN	2	P	0940	110	1.8		H	
	KANZ	31 0936	0936	0944	S25	W51	8185	03	27.4	8	SF	2	C		110	1.8		H	
0210	KANZ	31 1048	1052	1100	S25	W40	8185	03	28.3	12	SF	2	C						
0211	RAMY	31 1332	1334	1339	S21	E44	8190	04	3.9	7	SF	4	E		34				
	HOLL	31 1332	1334	1344	S23	E43	8190	04	3.9	9D	SF	3	E		19				
	HOLL	31 1335E	1335	1344	S23	E43	8190	04	3.9	9D	SF	3	E		49				
0212	HOLL	31 1414	1414	1418	S24	E42	8190	04	3.8	4	SF	3	E		15				
0213	HOLL	31 1434	1436	1442	S24	E42	8190	04	3.8	8	SF				14				
	SVTO	31 1434	1436	1442	S24	E42	8190	04	3.8	8	SF	3	E		13				
	SVTO	31 1437E	1438U	1445D	S24	E43	8190	04	3.9	8D	SF	3	E		16				
0214	HOLL	31 1451	1454	1500	S24	E41	8190	04	3.8	9	SF	3	E		15				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/		Dur (Min)	Imp Opt	Obs See	Type	Area Measurement		Remarks
								USAF Region	CMP Mo Day					Time (UT)	Apparent (10-6 Disk)	
0215	HOLL	31	1713	1714	1717	S25	E38	8190	04	3.7	4	SF	3	E	11	
0216	HOLL	31	1742	1743	1747	S25	E38	8190	04	3.7	5	SF	3	E	14	

"Remarks"

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

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