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May 02

H α SOLAR FLARES

MAY 2002

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)	
0001	LEAR	01	0348	0351	0355	N14	W56	9921	04	27.0	7	SF		3	E		32		F
0002	LEAR	01	0407	0408	0411	S28	E67	9932	05	6.4	4	SF		3	E		10		
0003		01	0856	0856	0900	S27	E64	9932	05	6.3	4	SF					16		
	LEAR	01	0856	0856	0859	S26	E63	9932	05	6.3	3	SF		3	E		16		
	KANZ	01	0856	0857	0900	S28	E64	9932	05	6.4	4	SF		2	E				
0004		01	1001	1001	1009	S30	E65	9932	05	6.5	8	SF					13		
	SVTO	01	1001	1001	1009	S31	E65	9932	05	6.5	8	SF		3	E		13		
	KANZ	01	1003E	1013U	1013U	S29	E65	9932	05	6.5	10U	SF		2	E				
0005	KANZ	01	1227	1228	1232	S28	E63	9932	05	6.4	5	SF		2	E				
0006		01	13532	13551	1409	S29	E62	9932	05	6.4	16	SF					50		F
	SVTO	01	1353	1356	1403	S30	E62	9932	05	6.4	10	SF		3	E		35		F
	HOLL	01	1355	1355	1411	S28	E64	9932	05	6.6	16	SF		3	E		65		
	KANZ	01	1355	1355	1414	S28	E61	9932	05	6.3	19	SF		2	E				
0007	HOLL	01	1412	1445	1508	S27	E64	9932	05	6.6	56	SF		3	E		44		
			01 1827		2235	No Flare Patrol													
0008	LEAR	02	0257	0300	0316	N14	W40	9919	04	29.2	19	SF		3	E		45		F
0009	KANZ	02	1124	1126	1130	N15	W36	9926	04	29.8	6	SF		2	E				
0010	KANZ	02	1144	1145	1206	N12	W86	9915	04	26.1	22	SF		2	E				
0011	KANZ	02	1258	1259	1301	S20	E85	9937	05	9.0	3	SF		2	E				
0012	KANZ	02	1306	1306	1314	S10	E83	9937	05	8.8	8	SF		2	E				
			02 1825		1939	No Flare Patrol													
			02 2041		2101	No Flare Patrol													
0013	HOLL	02	2111	2117	2303	N14	W37	9926	04	30.1	112	SF		3	E		75		FS
0014	HOLL	02	2317	2319	2324	S18	E62	9934	05	7.7	7	SF		3	E		19		
0015	LEAR	03	0336	0359	0428	S18	E60	9934	05	7.7	52	SF		3	E		68		F
0016	LEAR	03	0400	0401	0405	S30	E39	9932	05	6.2	5	SF		3	E		14		F
0017		03	06441	0647	0653	N16	W47	9926	04	29.8	9	SF					49		F
	LEAR	03	0644	0647	0655	N16	W48	9926	04	29.7	11	SF		3	E		49		F
	KANZ	03	0645	0647	0651	N15	W46	9926	04	29.9	6	SF		2	E				
0018	KANZ	03	0711	0711	0715	S21	E55	9934	05	7.5	4	SF		2	E				
0019	SVTO	03	0927	0927	0932	S22	E53	9934	05	7.5	5	SF		3	E		13		
0020	HOLL	03	1353	1353	1358	S17	E54	9934	05	7.7	5	SF		3	E		12		
0021	HOLL	03	1403	1404	1412	S17	E53	9934	05	7.6	9	SF		3	E		14		
			03 1451		1459	No Flare Patrol													
0022	HOLL	03	1713	1715	1723	S17	E49	9934	05	7.4	10	SF		4	E		16		
0023	HOLL	03	1803	1807	1840	S17	E50	9934	05	7.5	37	1F		3	E		108		F
			03 1846		2018	No Flare Patrol													
0024	HOLL	03	2045	2052	2100	S17	E48	9934	05	7.5	15	SF		3	E		28		
0025	HOLL	03	2147	2150	2154	S16	E48	9934	05	7.5	7	SF		3	E		12		
0026	HOLL	03	2203	2211	2218	S17	E49	9934	05	7.6	15	SF		3	E		22		

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			03 2254		2400			No Flare Patrol											
0027		04	0250	0251	0302	S14	E45	9934	05	7.5	12	SN					75	1.3	,BEF
	MITK	04	0250	0251	0255	S13	E44	9934	05	7.4	5	SN			C	0251	88	1.3	B,E
	LEAR	04	0250	0251	0308	S16	E46	9934	05	7.6	18	SN		3	E		62		F
0028	LEAR	04	0341	0342	0353	S17	E44	9934	05	7.5	12	SF		3	E		19		F
0029		04	13175	13254	1348	S10	E62	9937	05	9.2	31	SF					52		F
	HOLL	04	1317	1329	1351	S09	E62	9937	05	9.2	34	SF		3	E		58		
	SVTO	04	1322	1325	1345	S12	E63	9937	05	9.3	23	SF		3	E		47		F
0030	HOLL	04	1322	1324	1330	N21	W37	9929	05	1.7	8	SF		3	E		19		
		04	1549		1616			No Flare Patrol											
		04	1630		1815			No Flare Patrol											
		04	1838		1925			No Flare Patrol											
0031	HOLL	04	1859E	1900U	1908D	S10	E63	9937	05	9.5	9D	SF		3	E		51		
		04	2034		2101			No Flare Patrol											
		04	2110		2140			No Flare Patrol											
		04	2218		2222			No Flare Patrol											
0032		05	07221	07221	0732	N18	E08	9928	05	5.9	10	SF					14		F
	KANZ	05	0722	0722	0731	N18	E08	9928	05	5.9	9	SF		2	E				
	LEAR	05	0723	0723	0732	N19	E09	9928	05	6.0	9	SF		3	E		14		F
0033		05	08017	0808	0816	S20	E28	9934	05	7.5	15	SF					19		FH
	KANZ	05	0801	0808	0819	S20	E29	9934	05	7.5	18	SF		2	E				
	LEAR	05	0808	0808	0813	S20	E28	9934	05	7.5	5	SF		3	E		19		FH
0034	KANZ	05	0837	0837	0843	S16	E26	9934	05	7.3	6	SF		2	E				
0035	SVTO	05	1226	1227	1236	S17	E28	9934	05	7.6	10	SF		3	E		19		F
0036		05	14411	14451	1500	S10	E51	9937	05	9.4	19	SF					41		F
	HOLL	05	1441	1445	1501	S10	E51	9937	05	9.4	20	SF		3	E		53		F
	SVTO	05	1442	1446	1458	S10	E51	9937	05	9.4	16	SF		3	E		29		F
0037	HOLL	05	1657	1657	1704	N22	W51	9929	05	1.8	7	SF		3	E		13		
0038	HOLL	05	1809	1810	1816	S17	E22	9934	05	7.4	7	SF		3	E		51		
0039	HOLL	05	1912E	1914U	1922D	S12	E66	9943	05	10.8	10D	1F		2	E		121		
		05	1928		2325			No Flare Patrol											
		06	0307		0312			No Flare Patrol											
0040	KHAR	06	0832	0835	0843	N18	W59	9929	05	1.9	11	SF		2	P	0832	35		D
0041	KHAR	06	0912U		0916	S15	E16	9934	05	7.6	4U	SF		2	P	0915	45		D
0042		06	0950	0952	0956	N18	W07	9928	05	5.9	6	SF					21		F
	KANZ	06	0950	0952	0956	N17	W08	9928	05	5.8	6	SF		2	E				
	SVTO	06	0951E	0951U	0956D	N18	W06	9928	05	5.9	5D	SF		2	E		21		F
0043		06	14011	1404	1412	S20	W18	9935	05	5.2	11	SF					17		FU
	KANZ	06	1401	1404	1413	S20	W18	9935	05	5.2	12	SF		2	E				
	HOLL	06	1402	1404	1412	S20	W18	9935	05	5.2	10	SF		3	E		17		UF
0044	HOLL	06	1412	1413	1438	S19	W18	9935	05	5.2	26	SF		3	E		16		U
0045	HOLL	06	2024	2025	2027	S17	E10	9934	05	7.6	3	SF		3	E		40		
		06	2130		2326			No Flare Patrol											
0046	VORO	06	2342	2345	2358	S17	E03		05	7.2	16	SF		3	C	2345	45	0.5	

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					Lat	CMD	Region							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)			
0047	VORO	07 0002	0005	0027	S13	E33		05	9.5	25	SN		3	C	0005	81	1.0		
		07 0031		0108	No	Flare Patrol													
		07 0300		0605	No	Flare Patrol													
		07 0607		0624	No	Flare Patrol													
0048	KANZ	07 0708	0713	0716	S15	W02	9934	05	7.1	8	SF		2	E					
0049	KANZ	07 0726	0729	0735	S15	W02	9934	05	7.1	9	SF		2	E					
0050	KANZ	07 0802	0803	0807	S20	E01	9934	05	7.4	5	SF		2	E					
0051		07 0848	0850	0901	S20	E02	9934	05	7.5	13	SN				0859	180		O	
	KHAR	07 0845E		0905	S19	E04	9934	05	7.7	20D	SN		2	P			180		O
	KANZ	07 0848	0850	0857	S20	E01	9934	05	7.4	9	SF		2	E					
0052	KHAR	07 0923U		0935	N22	E04	9947	05	7.7	12U	SF		2	V				DO	
0053	KHAR	07 0923U		0937	S22	W25	9941	05	5.5	14U	SN		2	P				O	
0054	KANZ	07 1137	1138	1143	S20	E01	9934	05	7.6	6	SF		2	E					
0055		07 18383	1843	1900	S10	E42	9943	05	10.9	22	SF					20		F	
	RAMY	07 1838	1843	1914	S09	E42	9943	05	10.9	36	SF		3	E		27			
	HOLL	07 1841	1843	1847	S12	E42	9943	05	10.9	6	SF		3	E		14		F	
0056	HOLL	07 2241	2241	2252	S21	W35	9935	05	5.3	11	SF		3	E		17			
0057	LEAR	08 0437E	0437U	0455D	S11	E16	9937	05	9.4	18D	SF		2	E		13			
		08 0506		0525	No	Flare Patrol													
		08 0608		0624	No	Flare Patrol													
0058	LEAR	08 0627	0628U	0635	N16	E25	9940	05	10.2	8	SF		1	E		21		F	
		08 0719		0751	No	Flare Patrol													
		08 0808		0832	No	Flare Patrol													
0059	KANZ	08 0844	0844	0845	N16	E22	9940	05	10.0	1	SF		2	E					
		08 0915		0925	No	Flare Patrol													
		08 0928		0937	No	Flare Patrol													
0060	KHAR	08 0948	0948	1015	S21	W12	9934	05	7.5	27	1N		2	P	1001	254		H	
0061	KANZ	08 1021	1021	1024	S19	W15	9934	05	7.3	3	SF		2	E					
0062	KHAR	08 1034U	1035	1145	N16	W85	9931	05	2.0	71U	SF		2	P	1038	60		O	
0063	KHAR	08 1055U	1056	1101	N19	E22	9939	05	10.1	6U	SF		2	V				D	
0064	RAMY	08 1056	1107	1112	S16	W14	9934	05	7.4	16	SF		3	E		11			
0065	RAMY	08 1131	1132	1143	S16	W14	9934	05	7.4	12	SF		3	E		12			
0066	RAMY	08 1149	1149	1208	S17	W11	9934	05	7.6	19	SF		3	E		10			
0067	HOLL	08 1258E	1320U	1456	S12	W07	9934	05	8.0	118D	SF		3	E		72		F	
0068	HOLL	08 1705	1707	1712	S19	W17	9934	05	7.4	7	SF		3	E		17			
0069		08 1845	18451	1902	S07	E02	9937	05	8.9	17	SF					20		F	
	RAMY	08 1845	1845	1904	S05	E02	9937	05	8.9	19	SF		3	E		25		F	
	HOLL	08 1845	1846	1900	S09	E01	9937	05	8.8	15	SF		3	E		16		F	
0070	LEAR	09 0713	0716	0735	S09	W01	9937	05	9.2	22	SF		3	E		23		F	
0071	LEAR	09 0758	0759	0809	S08	W03	9937	05	9.1	11	SF		3	E		41		F	
		09 0925		0929	No	Flare Patrol													

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Lat	CMD	Region									Apparent (10-6 Disk)	Corr (Sq Deg)	
0072		09 1050	10502	1101	S08 E18	9943	05 10.8	11	SF							1056	38	DF	
	KHAR	09 1050	1050	1103	S08 E20	9943	05 10.9	13	SF			2	P	45	D				
	RAMY	09 1050	1052	1059	S09 E16	9943	05 10.6	9	SF			3	E	30	F				
		09 1422		1439	No Flare Patrol														
0073	RAMY	09 1820	1820	1826	S19 W39	9934	05 6.8	6	SF				3	E			33	F	
		09 2119		2155	No Flare Patrol														
		09 2203		2211	No Flare Patrol														
		09 2226		2254	No Flare Patrol														
0074	LEAR	10 0027	0038	0102	S07 E52	9946	05 13.9	35	SF				3	E			41	F	
0075	LEAR	10 0105	0126	0202	S03 E50	9946	05 13.8	57	SF				3	E			27	F	
		10 0309		0317	No Flare Patrol														
0076		10 0836	0826*	0850	S08 W16	9937	05 9.1	14	SN							0829	46	O	
	KHAR	10 0822E	0826	0852	S09 W16	9937	05 9.1	30D	SN			2	P	65	O				
	SVTO	10 0836	0837	0847	S06 W17	9937	05 9.1	11	SF			3	E	28					
0077	KHAR	10 0850	0851	0855	S18 W33	9934	05 7.8	5	SF				2	V				D	
0078	SVTO	10 0917	0918	0926	S09 W17	9937	05 9.1	9	SF				3	E			10		
0079	KHAR	10 0928	0930	0936	S07 W17	9937	05 9.1	8	SF				2	P	0934		30	DO	
0080	SVTO	10 0939	0940	0956	S06 W18	9937	05 9.0	17	SF				3	E			43	F	
0081	KHAR	10 0946	0950	0958	S05 W15	9938	05 9.3	12	SN				2	P	0946		25	D	
0082		10 10264	10284	1035	S07 W19	9937	05 9.0	9	SF								22	D	
	KANZ	10 1026	1028	1034	S07 W19	9937	05 9.0	8	SF				2	E					
	SVTO	10 1028E	1029U	1032	S07 W19	9937	05 9.0	4D	SF				3	E			22		
	KHAR	10 1030	1032	1038	S08 W18	9937	05 9.1	8	SF				2	V				D	
0083	RAMY	10 1234	1252	1308	S06 E44	9946	05 13.8	34	SF				3	E			13		
0084		10 14314	1442	1448	S06 W20	9937	05 9.1	17	SF								36	F	
	SVTO	10 1431	1432U	1437D	S06 W20	9937	05 9.1	6D	SF				3	E			44	F	
	HOLL	10 1435	1442	1448	S07 W20	9937	05 9.1	13	SF				3	E			28	F	
0085	RAMY	10 1647	1649	1700	S16 W45	9934	05 7.3	13	SF				3	E			16		
0086	HOLL	10 1710	1710	1740	S18 W43	9934	05 7.4	30	SF				3	E			33	F	
0087	HOLL	10 2125	2126	2139	S13 W39	9934	05 7.9	14	SF				3	E			34	F	
		10 2143		2150	No Flare Patrol														
0088	HOLL	10 2152	2153	2158	S20 W43	9934	05 7.6	6	SF				3	E			14		
		10 2205		2217	No Flare Patrol														
		10 2246		2255	No Flare Patrol														
		10 2348		2400	No Flare Patrol														
		11 0000		0001	No Flare Patrol														
0089	HOLL	11 0002	0002	0007	S20 W44	9934	05 7.6	5	SF				3	E			48		
0090	HOLL	11 0012	0013	0015	S16 W43	9934	05 7.7	3	SF				3	E			28		
		11 0020		0254	No Flare Patrol														
		11 0308		0649	No Flare Patrol														
0091	KANZ	11 0654	0655	0708	S09 W27	9937	05 9.3	14	SF				2	E					
		11 0847		0856	No Flare Patrol														
		11 0858		0907	No Flare Patrol														
		11 0909		0914	No Flare Patrol														

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								USAF Region						Mo	Day		
			11 0916		0931	No	Flare Patrol										
			11 0933		1014	No	Flare Patrol										
			11 1111		1137	No	Flare Patrol										
0092	SVTO	11	1137E	1137U	1204	S06	W31 9937	05	9.2	27D	SF		2	E		74	U
0093	HOLL	11	1357	1408	1425	S06	E24 9945	05	13.4	28	SF		3	E		32	F
0094	HOLL	11	1455	1455	1532	S06	E22 9945	05	13.3	37	SF		3	E		16	
0095	HOLL	11	1647	1649	1654	S06	E48 9950	05	15.3	7	SF		3	E		18	
0096	HOLL	11	1648	1652	1710	S17	W59 9934	05	7.2	22	SF		3	E		24	
0097	HOLL	11	1735	1740	1754	S17	W58 9934	05	7.3	19	SF		3	E		70	
0098	RAMY	11	1834	1836	1841D	S15	W57 9934	05	7.4	7D	SF		3	E		35	FH
			11 1906		2015	No	Flare Patrol										
0099	RAMY	11	1914	1918	2001D	S15	W59 9934	05	7.3	47D	SF		3	E		10	
			11 2037		2234	No	Flare Patrol										
			11 2305		2400	No	Flare Patrol										
			12 0016		0017	No	Flare Patrol										
			12 0026		0102	No	Flare Patrol										
			12 0106		0126	No	Flare Patrol										
			12 0133		0218	No	Flare Patrol										
			12 0246		0309	No	Flare Patrol										
0100	KANZ	12	0939	0949	1010	S22	E60 9948	05	17.0	31	SF		2	E			
			12 1048		1049	No	Flare Patrol										
0101	KHAR	12	1110U	1112	1119	N22	W85 9933	05	5.9	9U	SF		2	P	1110	70	O
0102	KHAR	12	1130	1131	1143	S13	W22 9943	05	10.8	13	SF		2	P	1130	65	HO
0103		12	12131	1215	1220	S18	W69 9934	05	7.2	7	SF					22	D
	KHAR	12	1213	1215	1221	S21	W68 9934	05	7.3	8	SF		2	V			D
	RAMY	12	1214	1215	1220	S16	W70 9934	05	7.2	6	SF		4	E		22	
0104	RAMY	12	1403	1404	1409	S16	W70 9934	05	7.3	6	SF		4	E		32	
0105		12	14452	14483	1506	S16	W64 9934	05	7.8	21	SF					16	F
	RAMY	12	1445	1451	1510	S16	W64 9934	05	7.8	25	SF		4	E		16	F
	HOLL	12	1447	1448	1501	S17	W63 9934	05	7.8	14	SF		3	E		15	
0106	RAMY	12	1652	1653	1656	S16	W66 9934	05	7.7	4	SF		3	E		14	
0107	RAMY	12	1702	1702	1710	S16	W71 9934	05	7.3	8	SF		4	E		13	
0108		12	19371	19371	1947	S16	W72 9934	05	7.3	10	SF					26	F
	RAMY	12	1937	1937	1950	S16	W72 9934	05	7.3	13	SF		4	E		30	F
	HOLL	12	1938	1938	1944	S17	W71 9934	05	7.4	6	SF		3	E		22	
0109		12	2103	21031	2114	S24	E57 9948	05	17.3	11	SF					14	F
	HOLL	12	2103	2103	2109	S24	E58 9948	05	17.3	6	SF		3	E		10	
	RAMY	12	2103	2104	2118	S25	E56 9948	05	17.2	15	SF		4	E		19	F
0110	HOLL	13	0059	0059	0108	S17	W77 9934	05	7.2	9	SF		3	E		14	
			13 0154		0209	No	Flare Patrol										
0111	LEAR	13	0236	0236	0241	S04	E10 9946	05	13.8	5	SF		4	E		37	F
0112	LEAR	13	0337	0338	0349	S25	E47 9948	05	16.8	12	SF		4	E		12	
			13 0513		0543	No	Flare Patrol										
			13 0552		0608	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	Obs See	Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0113	KHAR	13	0940	0941	0946	S06	W08	9946	05	12.8	6	SF		2	P	0941	25		D
0114	KHAR	13	0941	0943	0950	S16	E40	9948	05	16.4	9	SF		2	P	0941	40		DH
0115	KHAR	13	1123	1125	1131	S22	E85	9954	05	20.0	8	SF		2	V				
0116	KHAR	13	1130		1135	S20	E44	9948	05	16.8	5	SF		2	V				D
0117	KANZ	13	1405	1405	1413	S23	E39	9948	05	16.6	8	SF		2	E				
0118		13	16381	1639	1652	S06	W01	9946	05	13.6	14	SF					35		FH
	HOLL	13	1638	1639	1649	S05	W01	9946	05	13.6	11	SF		3	E		29		FH
	RAMY	13	1638	1639	1700	S06	W01	9946	05	13.6	22	SF		3	E		46		
	SVTO	13	1639	1639	1646	S06	W01	9946	05	13.6	7	SF		3	E		30		FH
0119	RAMY	13	1724	1727	1737	N21	W75	9933	05	8.0	13	SF		3	E		16		
0120	RAMY	13	1855	1855	1859	N22	W77	9933	05	7.9	4	SF		3	E		21		
0121	RAMY	13	1902	1902	1906	N20	W77	9933	05	7.9	4	SF		3	E		15		
		13	1922		1943	No Flare Patrol													
		13	1949		1954	No Flare Patrol													
		13	2053		2100	No Flare Patrol													
		13	2111		2123	No Flare Patrol													
0122	KHAR	14	0850E	0855	0920	S19	E37	9948	05	17.2	30D	SF		2	P	0905	70		DO
0123	KHAR	14	0905	0908	0915	S03	W10	9945	05	13.6	10	SF		2	P	0905	30		DO
0124		14	0934	0939	1007	S23	E34	9948	05	17.0	33	1F					89		FH
	SVTO	14	0934	0939	1002	S24	E35	9948	05	17.1	28	SF		3	E		89		FH
	KANZ	14	0934	0946U	1012	S22	E34	9948	05	17.0	38	1F		2	E				
0125		14	1546	15481	1554	S23	E31	9948	05	17.0	8	SF					20		FH
	SVTO	14	1546	1548	1554	S24	E31	9948	05	17.0	8	SF		3	E		26		F
	RAMY	14	1546	1549	1553	S22	E31	9948	05	17.0	7	SF		3	E		14		H
0126	HOLL	14	1842	1843	1853	S25	E26	9948	05	16.8	11	SF		3	E		29		F
0127	RAMY	14	1846	1851	1856	S25	E27	9948	05	16.9	10	SF		3	E		16		
		15	0103		0321	No Flare Patrol													
		15	0340		0407	No Flare Patrol													
0128	SVTO	15	0817	0831	0848	S23	E23	9948	05	17.1	31	SF		3	E		56		F
0129	SVTO	15	0909	0909	0915	S03	W32	9945	05	13.0	6	SF		3	E		10		F
0130	HOLL	15	1447	1448	1450	S05	W27	9946	05	13.6	3	SF		3	E		23		
0131	HOLL	15	1447	1448	1449	S22	E07	9948	05	16.1	2	SF		3	E		18		
0132		15	15341	15351	1551	S06	W32	9945	05	13.2	17	SF					14		F
	HOLL	15	1534	1536	1551	S06	W31	9945	05	13.3	17	SF		3	E		16		F
	RAMY	15	1535	1535	1551	S06	W32	9945	05	13.2	16	SF		3	E		12		F
		16	0046		0407	No Flare Patrol													
0133		16	0624	0627	0654	S04	W14	9950	05	15.2	30	SF					31		FH
	SVTO	16	0624	0627	0655	S03	W15	9950	05	15.1	31	SF		3	E		31		FH
	KANZ	16	0640E		0652	S05	W13	9950	05	15.3	12D	SF		2	E				
0134	KANZ	16	0640E		0653	S25	E05	9948	05	16.7	13D	SF		2	E				
0135	KANZ	16	0702	0702	0707	S24	E04	9948	05	16.6	5	SF		2	E				
0136		16	0941	09432	0954	S02	W46	9945	05	13.0	13	SF					25		F
	KANZ	16	0941	0943	0954	S02	W46	9945	05	13.0	13	SF		2	E				
	SVTO	16	0941	0945	0954	S01	W47	9945	05	12.9	13	SF		3	E		25		F

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Grp #	Sta	Start Day	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
					Region	Lat	Cmd									Apparent (10-6 Disk)	Corr (Sq Deg)	
		16 1745		1842	No	Flare	Patrol											
		16 1847		2001	No	Flare	Patrol											
		16 2106		2112	No	Flare	Patrol											
0137	VORO	16 2346E	2444	2417D	S18	E04		05	17.3	31D	2F		3	C	0017	690	7.5	
		17 0136		0403	No	Flare	Patrol											
0138		17 0519I	0522I	0534	N10	E68	9957	05	22.3	15	2N					307		F
	KANZ	17 0519	0522	0533	N11	E66	9957	05	22.2	14	2F		2	E				
	SVTO	17 0520	0523	0534	N10	E70	9957	05	22.5	14	2N		3	E		307		F
0139		17 0710	0710I	0716	S23	W01	9948	05	17.2	6	SF					29		H
	KANZ	17 0710	0710	0716	S23	W01	9948	05	17.2	6	SF		2	E				
	SVTO	17 0710	0711	0717	S23	W01	9948	05	17.2	7	SF		3	E		29		H
0140	KANZ	17 1151	1154	1204	S06	W12		05	16.6	13	SF		2	E				
0141		17 1210	1210	1218	N13	E86	9960	05	24.0	8	SF					40		
	SVTO	17 1208E	1208U	1220	N13	E89	9960	05	24.2	12D	SF		3	E		67		
	RAMY	17 1210	1210	1216	N13	E82	9960	05	23.7	6	SF		3	E		12		
0142	KANZ	17 1442	1443	1444	N09	E13	9951	05	18.6	2	SF		2	E				
0143	KANZ	17 1443	1443	1449	S22	W08	9948	05	17.0	6	SF		2	E				
0144		17 1556	1557I	1624	S25	E47	9954	05	21.3	28	SF					44		FU
	KANZ	17 1556	1557	1612D	S24	E46	9954	05	21.2	16D	SF		2	E				
	SVTO	17 1556	1557	1626	S26	E47	9954	05	21.3	30	SF		3	E		55		F
	HOLL	17 1556	1558	1622	S25	E47	9954	05	21.3	26	SF		3	E		34		UF
0145	SVTO	17 1611	1614	1621	N12	E83	9960	05	23.9	10	SF		3	E		34		
0146	HOLL	17 2307	2308	2325	N12	E63	9957	05	22.7	18	SF		3	E		11		F
		18 0151		0355	No	Flare	Patrol											
0147		18 0922	0925	0944	N12	E60	9957	05	22.9	22	SF					62		FH
	KANZ	18 0922	0925	0944	N12	E59	9957	05	22.8	22	SF		2	E				
	SVTO	18 0922	0925	0945	N12	E61	9957	05	23.0	23	SF		3	E		62		FH
0148	KANZ	18 0946	0948	0953	N13	E74	9960	05	24.0	7	SF		2	E				
0149	SVTO	18 0947	0949	0953	N13	E85	9962	05	24.8	6	SF		3	E		64		
0150	KANZ	18 1043	1046	1050	S10	E37	9955	05	21.2	7	SF		2	E				
0151		18 11113	1114	1125	S14	E36	9955	05	21.2	14	SF					10		F
	KANZ	18 1111	1114	1121	S14	E36	9955	05	21.2	10	SF		2	E				
	RAMY	18 1114	1114	1129	S14	E36	9955	05	21.2	15	SF		4	E		10		F
0152		18 11258	11372	1149	S15	E36	9955	05	21.2	24	SF					15		F
	KANZ	18 1125	1137	1148	S14	E35	9955	05	21.1	23	SF		2	E				
	RAMY	18 1130	1139	1154	S17	E36	9955	05	21.2	24	SF		4	E		16		F
	SVTO	18 1133	1137	1145	S14	E36	9955	05	21.2	12	SF		3	E		14		
0153	SVTO	18 1131	1133	1140	S21	E38	9954	05	21.4	9	SF		3	E		15		
0154	SVTO	18 1248	1249	1253	N12	E80	9960	05	24.6	5	SF		3	E		23		
0155		18 1537	15395	1553	N11	E55	9957	05	22.8	16	SF					45		FH
	SVTO	18 1537	1539	1552	N11	E56	9957	05	22.9	15	SF		3	E		52		F
	RAMY	18 1537	1542	1553	N11	E54	9957	05	22.7	16	SF		4	E		39		FH
	HOLL	18 1537	1544	1554	N12	E55	9957	05	22.8	17	SF		3	E		43		F
0156	HOLL	18 1707	1707	1711	N12	E53	9957	05	22.7	4	SF		3	E		16		
0157	HOLL	18 1826	1828	1836	N11	E53	9957	05	22.7	10	SF		3	E		47		
		18 2303		2400	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	Obs See Type	Area Measurement			Remarks
													Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0179	SVTO	21	1024E	1026U	1026	N12	E29	9960	05 23.6	2D	SF	3 E		11		
0180	21	17201	1722	1730	N09	E66	9963	05 26.7	10	SF				32		F
	HOLL	21	1720	1722	1730	N09	E66	9963	05 26.7	10	SF	3 E		20		F
	RAMY	21	1720	1722	1731	N11	E69	9963	05 26.9	11	SF	3 E		55		F
	SVTO	21	1721	1722	1732D	N08	E64	9963	05 26.5	11D	SF	2 E		21		F
0181	HOLL	21	2327	2418	2517	S25	W64	9948	05 17.0	110	1F	3 E		126		FT
		22	0000		0041	No Flare Patrol										
		22	0216		0343	No Flare Patrol										
		22	0353		0359	No Flare Patrol										
0182	SVTO	22	0400E	0400U	0437	S22	W53		05 18.1	37D	SF	2 E		26		U
0183	KANZ	22	0824	0828	0836	S22	E41	9961	05 25.5	12	SF	2 E				
0184	22	15422	15455	1600	S23	E43	9961	05 26.0	18	SF				29		F
	RAMY	22	1542	1548	1606	S23	E44	9961	05 26.0	24	SF	3 E		34		
	SVTO	22	1542	1550	1558	S23	E42	9961	05 25.9	16	SF	3 E		36		F
	HOLL	22	1544	1545	1557	S23	E42	9961	05 25.9	13	SF	3 E		18		F
0185	HOLL	22	1839	1842	1850	S12	E67	9965	05 27.8	11	SF	3 E		13		F
0186	22	2052	2052	2057	S23	E39	9961	05 25.9	5	SF				45		F
	HOLL	22	2052	2052	2057	S23	E40	9961	05 25.9	5	SF	3 E		10		F
	RAMY	22	2054E	2056U	2140D	S23	E38	9961	05 25.8	46D	SF	3 E		80		F
		23	0025		0038	No Flare Patrol										
		23	0155		0451	No Flare Patrol										
		23	0539		0622	No Flare Patrol										
		23	0635		0642	No Flare Patrol										
		23	0644		0648	No Flare Patrol										
0187	23	1659	17001	1702	S24	E30	9961	05 26.0	3	SF				16		
	HOLL	23	1659	1700	1702	S24	E30	9961	05 26.0	3	SF	3 E		18		
	RAMY	23	1659	1701	1702	S24	E30	9961	05 26.0	3	SF	3 E		15		
0188	HOLL	23	2051	2054	2058	N11	E38	9963	05 26.7	7	SF	3 E		11		F
		24	0633		0654	No Flare Patrol										
0189	LEAR	24	0655	0702	0709	N13	E30	9963	05 26.5	14	SF	3 E		61		F
		24	0718		0812	No Flare Patrol										
		24	0817		0859	No Flare Patrol										
0190	SVTO	24	0823E	0830U	0845D	N18	E35	9963	05 27.0	22D	SF	2 E		15		FH
		24	0946		1029	No Flare Patrol										
0191	KHAR	24	1052	1053	1105	N17	E31	9963	05 26.8	13	SN	2 P	1101	65		E
		24	1111		1134	No Flare Patrol										
		24	1205		1210	No Flare Patrol										
0192	RAMY	24	1756	1758	1803	N14	E27	9963	05 26.8	7	SF	3 E		12		
0193	RAMY	24	1805	1812	1819	N14	E27	9963	05 26.8	14	SF	3 E		13		
0194	24	19081	1910	1919	N13	E25	9963	05 26.7	11	SF				27		F
	RAMY	24	1908	1910	1920	N13	E25	9963	05 26.7	12	SF	3 E		34		F
	HOLL	24	1909	1910	1918	N13	E25	9963	05 26.7	9	SF	3 E		20		F
0195	RAMY	24	1908	1910	1917	N10	W29	9957	05 22.6	9	SF	3 E		21		FH
0196	RAMY	24	2040	2040	2050	N16	E11	9962	05 25.7	10	SF	3 E		10		F
0197	HOLL	25	0114	0114	0117	N16	W25	9957	05 23.1	3	SF	3 E		11		

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Corr	Remarks
							USAF/						Region	Mo		
		19 0000		0026	No	Flare Patrol										
		19 0140		0229	No	Flare Patrol										
0158	LEAR	19 0625	0640	0656	N14	E45 9957	05	22.7	31	SF		3	E		11	
		19 0923		0932	No	Flare Patrol										
		19 0941		0948	No	Flare Patrol										
		19 1019		1122	No	Flare Patrol										
		19 1137		1147	No	Flare Patrol										
0159	HOLL	19 1323	1326	1328	N11	E43 9957	05	22.8	5	SF		3	E		12	
0160	HOLL	19 1621	1621	1627	N08	E37 9957	05	22.4	6	SF		3	E		23	
0161	HOLL	19 1706	1707	1713	S22	E76 9961	05	25.5	7	SF		3	E		27	
0162	HOLL	19 1812	1813	1816	S21	E79 9961	05	25.8	4	SF		3	E		18	
		19 1856		1900	No	Flare Patrol										
		19 1934		2326	No	Flare Patrol										
0163		20 0116	01182	0124	S22	E70 9961	05	25.4	8	SN				58	2.1	
	VORO	20 0116	0118	0125	S23	E70 9961	05	25.4	9	SN		3	C	0118	81	2.1
	LEAR	20 0116	0120	0124	S21	E69 9961	05	25.3	8	SF		4	E		36	
0164	VORO	20 0127	0130	0136	S25	E78 9961	05	26.1	9	1F		3	C	0130	188	7.7
		20 0208		0217	No	Flare Patrol										
0165	LEAR	20 0337	0338	0343	S23	E76 9961	05	26.0	6	SF		4	E		22	
0166	LEAR	20 0356	0404	0415	S20	E71 9961	05	25.6	19	SF		4	E		20	
		20 0432		0452	No	Flare Patrol										
		20 0502		0513	No	Flare Patrol										
		20 0522		0552	No	Flare Patrol										
0167	LEAR	20 0732	0732	0740	S23	E74 9961	05	26.0	8	SF		3	E		21	F
		20 0852		0858	No	Flare Patrol										
		20 0913		1114	No	Flare Patrol										
		20 1215		1237	No	Flare Patrol										
		20 1321		1344	No	Flare Patrol										
0168	HOLL	20 1346	1346	1351	S25	E68 9961	05	25.8	5	SF		3	E		36	
0169	HOLL	20 1431	1435	1446	N13	E49 9960	05	24.3	15	SF		3	E		24	F
0170	HOLL	20 1508	1529	1538	S21	E65 9961	05	25.6	30	2N		3	E		296	FH
0171	RAMY	20 1525	1526	1538	S21	E56 9961	05	24.9	13	2B		3	E		259	H
0172	HOLL	20 1811	1819	1839	S23	E67 9961	05	25.9	28	1F		3	E		121	F
0173	HOLL	20 1950	1950	1954	S24	E70 9961	05	26.2	4	SF		3	E		18	
0174	HOLL	20 2019	2027	2044	S21	E62 9961	05	25.6	25	SF		3	E		46	F
0175	HOLL	20 2155	2156	2200	S21	E60 9961	05	25.5	5	SF		3	E		27	
0176	LEAR	21 0142	0145	0148	S24	E58 9961	05	25.5	6	SF		4	E		17	
		21 0238		0303	No	Flare Patrol										
		21 0334		0345	No	Flare Patrol										
0177	LEAR	21 0501	0504U	0549	N15	E44 9960	05	24.5	48	SF		3	E		95	
0178	SVTO	21 0633	0633	0636D	N14	E74 9963	05	26.9	3D	SF		3	E		25	
		21 0954		1023	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	Obs See Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0198	LEAR	25	0536	0539	0542	N07	E79	9970	05 31.1	6	SF	3 E		14		
0199	LEAR	25	0545	0547	0550	N12	W09	9960	05 24.6	5	SF	3 E		16		F
0200	SVTO	25	0710	0711U	0715	N07	E82	9969	05 31.4	5	SF	2 E		20		
0201	SVTO	25	1619	1624	1628	N07	E73	9969	05 31.1	9	SF	3 E		41		
0202		25	16507	1657	1711	S18	W12	9961	05 24.8	21	SF			11		F
	RAMY	25	1650	1659U	1818D	S18	W13	9961	05 24.7	88D	SF	3 E		12		F
	HOLL	25	1657	1657	1711	S18	W12	9961	05 24.8	14	SF	3 E		10		
0203	HOLL	25	1840	1841	1846	N04	E70	9969	05 31.0	6	SF	3 E		11		
0204	HOLL	25	1937	1937	1957	N04	E70	9969	05 31.0	20	SF	3 E		11		
0205	HOLL	25	2009	2013	2022	N04	E69	9969	05 31.0	13	SF	3 E		14		
		25	2105		2117	No Flare Patrol										
		25	2300		2325	No Flare Patrol										
0206	LEAR	26	0241	0241	0252	N15	E07	9963	05 26.6	11	SF	3 E		13		
0207	LEAR	26	0314	0322	0337	N07	E65	9969	05 31.0	23	SF	3 E		25		
0208	LEAR	26	0448	0448	0501	N16	W44	9957	05 22.9	13	SF	3 E		13		
0209	LEAR	26	0618	0619	0621	N06	E64	9969	05 31.0	3	SF	3 E		18		F
0210	KHAR	26	0948	0950	0959	S22	W08	9961	05 25.8	11	SF	2 P	0952	20		D
0211	KHAR	26	1002	1003	1007	N17	W03	9963	05 26.2	5	SF	2 V				D
0212	KHAR	26	1040		1045D	N10	E62	9969	05 31.1	5D	SN	2 P	1042	50		
		26	1046		1111	No Flare Patrol										
0213		26	13272	13313	1356	S22	W12	9961	05 25.6	29	SF			30		F
	RAMY	26	1327	1331	1400	S23	W11	9961	05 25.7	33	SF	3 E		35		F
	HOLL	26	1329	1334	1352	S22	W13	9961	05 25.6	23	SF	3 E		25		F
0214		26	13497	13562	1408	N04	E58	9969	05 30.9	19	SF			60		
	RAMY	26	1349	1358	1410	N03	E58	9969	05 30.9	21	SF	3 E		92		
	HOLL	26	1356	1356	1405	N04	E57	9969	05 30.8	9	SF	3 E		29		
0215	RAMY	26	1419	1419	1423	N03	E57	9969	05 30.8	4	SF	3 E		11		
0216		26	15083	15092	1515	N03	E57	9969	05 30.9	7	SF			43		
	HOLL	26	1508	1509	1515	N04	E56	9969	05 30.8	7	SF	3 E		40		
	RAMY	26	1508	1510	1516	N03	E57	9969	05 30.9	8	SF	3 E		63		
	SVTO	26	1511	1511	1514	N03	E58	9969	05 31.0	3	SF	3 E		25		
0217	SVTO	26	1511	1511	1523	N11	W54	9957	05 22.6	12	SF	3 E		14		
		26	1916		2223	No Flare Patrol										
		26	2234		2246	No Flare Patrol										
		26	2316		2325	No Flare Patrol										
0218	LEAR	27	0423	0423	0429	S20	W23	9961	05 25.4	6	SF	4 E		13		
0219		27	0505	05071	0516	S18	W26	9961	05 25.2	11	SF			28		FH
	SVTO	27	0505	0507	0516	S19	W26	9961	05 25.2	11	SF	3 E		37		FH
	LEAR	27	0505	0508	0515	S18	W26	9961	05 25.2	10	SF	3 E		18		FH
0220		27	06022	06051	0618	N08	W65	9957	05 22.4	16	SF			27		F
	LEAR	27	0602	0605	0619	N09	W65	9957	05 22.4	17	SF	3 E		32		F
	SVTO	27	0604	0606	0616	N08	W65	9957	05 22.4	12	SF	3 E		22		F
0221	KHAR	27	1154		1205D	S14	E86	9973	06 3.0	11D	SF	2 V				DH

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May 02

H α SOLAR FLARES

MAY 2002

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	Time (UT)	Area Measurement (10-6 Disk)	Corr (Sq Deg)	Remarks
0222	SVTO	27	1308E	1314U	1405	N22	E15		05	28.7	57D	SF		3	E		50		SU
0223	HOLL	27	1507	1508	1512	N06	W68	9957	05	22.5	5	SF		3	E		31		
0224	HOLL	27	1518	1520	1524	S17	E90	9973	06	3.5	6	SF		3	E		45		
0225		27	17031	1706	1714	S18	E88	9973	06	3.4	11	1N					138		
	HOLL	27	1703	1706	1714	S17	E90	9973	06	3.5	11	1F		3	E		147		
	SVTO	27	1704	1706	1709D	S19	E87	9973	06	3.3	5D	1N		3	E		129		
0226	HOLL	27	1709	1710	1712	S21	E77	9972	06	2.6	3	SF		3	E		17		
0227	HOLL	27	1715	1717	1733	N06	W69	9957	05	22.5	18	SF		3	E		26		
0228	HOLL	27	1803	1811	1839	N11	W69	9957	05	22.6	36	2F		3	E		258		FH
0229	HOLL	27	1902	1904	1909	S17	E90	9973	06	3.6	7	SF		3	E		99		
0230	HOLL	27	2125	2125	2129	S17	E90	9973	06	3.7	4	SF		3	E		93		
0231	HOLL	27	2154	2158	2203	N11	W75	9957	05	22.3	9	SF		3	E		30		
0232	HOLL	28	0043	0047	0053	S17	E90	9973	06	3.9	10	SF		3	E		71		
		28	0632		0644			No Flare Patrol											
		28	0707		0802			No Flare Patrol											
		28	0822		0914			No Flare Patrol											
0233	KHAR	28	0943	0945	0948	S14	E79	9973	06	3.4	5	SF		2	P	0943	45		HO
0234	HOLL	28	1630	1632	1645	N06	W82	9957	05	22.6	15	SF		3	E		47		FH
0235		28	1720	1721	1724	N12	W80	9957	05	22.7	4	SF					31		
	RAMY	28	1720	1721	1724	N13	W82	9957	05	22.5	4	SF		3	E		32		
	HOLL	28	1720	1721	1724	N12	W78	9957	05	22.8	4	SF		3	E		30		
0236	HOLL	28	1826	1828	1834	S12	E09	9967C	05	29.4	8	SF		3	E		18		F
0237	HOLL	28	2155	2157	2201	N12	W30	9963	05	26.6	6	SF		3	E		21		F
0238	HOLL	28	2247	2248	2250	S18	E78	9973	06	3.9	3	SF		3	E		21		
0239	LEAR	29	0331	0332	0338	S17	E68	9973	06	3.3	7	SF		3	E		73		H
0240	LEAR	29	0503	0503	0506	S19	E71	9973	06	3.6	3	SF		3	E		21		
0241	LEAR	29	0509	0512	0515	S20	E53	9972	06	2.3	6	SF		3	E		13		
0242		29	0740	0740	0744	S17	E70	9973	06	3.6	4	SF					13		
	KANZ	29	0740	0740	0744	S17	E71	9973	06	3.7	4	SF		2	E				
	LEAR	29	0740	0740	0745	S17	E70	9973	06	3.6	5	SF		3	E		13		
0243	KANZ	29	0757E	0757U	0801	N08	E25	9969	05	31.2	4D	SF		2	E				
0244	SVTO	29	1024	1027	1033	S19	E66	9973	06	3.5	9	SF		3	E		73		
0245	SVTO	29	1254	1259	1308	N17	W65	9960	05	24.6	14	SF		3	E		48		
0246	HOLL	29	1254	1254	1318	N12	W79	9960	05	23.6	24	SF		3	E		50		
0247		29	1548	15511	1604	S18	E63	9973	06	3.4	16	SN					74		
	SVTO	29	1548	1551	1602	S17	E64	9973	06	3.5	14	SN		3	E		70		
	HOLL	29	1548	1552	1607	S18	E62	9973	06	3.4	19	SF		3	E		77		
0248		29	1609	1610	1616	S18	E63	9973	06	3.5	7	SF					17		
	HOLL	29	1609	1610	1616	S18	E63	9973	06	3.5	7	SF		3	E		23		
	SVTO	29	1609	1610	1616	S18	E63	9973	06	3.5	7	SF		3	E		11		
0249	SVTO	29	1621	1623	1631	N13	W34	9967	05	27.1	10	SF		3	E		13		

MAY 2002

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)	
0250	HOLL	29	2244	2245	2252	S17	E61	9973	06	3.6	8	SF		3	E		35		
0251	HOLL	29	2325	2325	2335	S18	E59	9973	06	3.5	10	SF		3	E		18		
0252	HOLL	30	0010	0012	0017	S18	E59	9973	06	3.5	7	SF		3	E		49		
0253	SVTO	30	1620	1625	1644	S17	E53	9973	06	3.7	24	SF		3	E		19		F
0254	SVTO	30	1628	1637	1646	S22	E38	9972	06	2.6	18	SF		3	E		20		F
0255		30	1711	17188	1828	S16	E50	9973	06	3.5	77	SF					62		F
	SVTO	30	1711	1718	1749D	S17	E51	9973	06	3.6	38D	SF		3	E		45		F
	HOLL	30	1711	1726	1828	S16	E49	9973	06	3.4	77	SF		3	E		78		F
0256	HOLL	30	1948	1949	2003	N12	W48	9963	05	27.2	15	SF		3	E		42		F
		30	2322		2330	No Flare Patrol													
0257		31	13023	13051	1312	S18	E36	9973	06	3.3	10	SF					17		F
	HOLL	31	1302	1306	1315	S18	E36	9973	06	3.3	13	SF		3	E		20		F
	SVTO	31	1305	1305	1310	S19	E35	9973	06	3.2	5	SF		3	E		14		F
0258	HOLL	31	1518	1518	1527	S17	E37	9973	06	3.4	9	SF		3	E		11		F
0259	RAMY	31	1905	1907	1910	S21	E60	9978	06	5.4	5	SF		3	E		33		

"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