

H α SOLAR FLARES

AUGUST 2002

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area Measurement			Remarks	
								USAF/					Region	Mo	Day		(Min)
			01 0000		0047			No Flare Patrol									
0001		01	0050	0054	0104	S12	W46	10039	07	28.7	14	SF				39	F
	LEAR	01	0049E	0049U	0058	S14	W47	10039	07	28.6	9D	SF	2	E		23	F
	HOLL	01	0050	0054	0111	S11	W46	10039	07	28.7	21	SF	3	E		55	
0002	LEAR	01	0224	0224	0236	S08	W36	10050	07	29.5	12	SF	3	E		14	FU
0003	LEAR	01	0241	0242	0252	S21	W45	10044	07	28.8	11	SF	3	E		57	F
0004	LEAR	01	0335	0336	0340	S08	W36	10050	07	29.5	5	SF	3	E		34	F
0005	LEAR	01	0358	0401	0413	S10	E12	10057	08	2.1	15	SF	3	E		41	FH
0006	LEAR	01	0434	0438	0444	S09	W41	10050	07	29.2	10	SF	3	E		24	F
0007	LEAR	01	0503	0519	0533	S07	W36	10050	07	29.6	30	SF	3	E		76	F
0008	LEAR	01	0609	0609	0614	S08	W39	10050	07	29.4	5	SF	3	E		28	F
0009	LEAR	01	0617	0617	0623	S08	W37	10050	07	29.6	6	SF	3	E		16	F
0010	LEAR	01	0615	0617	0619	S15	W53	10039	07	28.3	4	SF	3	E		11	
0011	SVTO	01	0622	0630	0652	S19	W51	10044	07	28.5	30	SF	2	E		35	F
0012	LEAR	01	0624	0647	0656	S18	W54	10044	07	28.2	32	SF	3	E		30	F
0013	LEAR	01	0705	0706	0714	S09	W42	10050	07	29.2	9	SF	3	E		48	F
0014		01	0742	0744	0748	S14	W54	10039	07	28.3	6	SF				40	F
	SVTO	01	0734E	0743U	0749	S13	W55	10039	07	28.3	15D	SF	2	E		29	F
	LEAR	01	0742	0744	0748	S15	W54	10039	07	28.3	6	SF	3	E		52	F
0015	LEAR	01	0744	0746	0749	S08	W40	10050	07	29.4	5	SF	3	E		20	F
0016	SVTO	01	0946	0948	1003	S07	W35	10050	07	29.9	17	SF	3	E		18	F
0017	SVTO	01	1049	1055	1104	S08	W43	10050	07	29.3	15	SF	3	E		78	
0018	SVTO	01	1206	1206	1214	S18	W56	10044	07	28.3	8	SF	3	E		16	
0019	SVTO	01	1346	1347	1359	S08	W43	10050	07	29.4	13	SF	3	E		21	F
0020	SVTO	01	1403	1407	1412	S08	W45	10050	07	29.3	9	SF	3	E		31	F
0021	SVTO	01	1410	1411	1414	S12	W58	10039	07	28.3	4	SF	3	E		20	
0022		01	1429I	1430	1434	S08	W42	10050	07	29.5	5	SF				42	F
	SVTO	01	1429	1430	1435	S08	W43	10050	07	29.5	6	SF	3	E		53	F
	HOLL	01	1430	1430	1433	S09	W41	10050	07	29.6	3	SF	3	E		32	F
0023	SVTO	01	1706E	1706U	1713D	S14	W55	10039	07	28.6	7D	SF	1	E		19	F
0024	HOLL	01	1706	1707	1711	S18	W58	10044	07	28.4	5	SF	3	E		24	F
0025	HOLL	01	1801	1814	1846	S17	W54	10044	07	28.7	45	SF	3	E		94	FH
0026	HOLL	01	1819	1823	1828	S12	W60	10039	07	28.3	9	SF	3	E		17	FH
			01 1933		2004	No Flare Patrol											
			01 2041		2047	No Flare Patrol											
			01 2055		2059	No Flare Patrol											
0027	HOLL	01	2129	2131	2135	S10	W48	10050	07	29.4	6	SF	3	E		20	F
			01 2201		2228	No Flare Patrol											
			01 2250		2320	No Flare Patrol											

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Aug 02

AUGUST 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)	
0028	HOLL	01	2330E	2331U	2341	S20	W52	10039	07	29.1	11D	SF		2	E		14		F
0029	HOLL	02	0046E	0048U	0104D	S10	W50	10050	07	29.4	18D	SF		2	E		40		F
0030	LEAR	02	0206	0206	0212	S09	W52	10050	07	29.3	6	SF		2	E		27		F
0031	KANZ	02	0522E	0523	0527	S08	W52	10050	07	29.4	5D	SF		2	E				
0032	KANZ	02	0556	0557	0600	S09	W54	10050	07	29.3	4	SF		2	E				
0033	KANZ	02	0620	0625	0636	S19	W67	10039	07	28.2	16	SF		2	E				
0034		02	0652	0652	0656	S15	W67	10039	07	28.3	4	SF					26		
	LEAR	02	0652	0652	0656	S16	W68	10039	07	28.2	4	SF		3	E		25		
	KANZ	02	0652	0653	0656	S15	W65	10039	07	28.5	4	SF		2	E				
	SVTO	02	0652	0653	0657	S15	W67	10039	07	28.3	5	SF		3	E		28		
0035	KANZ	02	0910	0915	0921	S09	W53	10050	07	29.5	11	SF		2	E				
0036		02	10512	10513	1130	S15	W60	10039	07	29.0	39	SF					37		
	SVTO	02	1051	1051	1134	S15	W62	10039	07	28.8	43	SF		3	E		37		
	KANZ	02	1053	1054	1126	S15	W59	10039	07	29.1	33	SF		2	E				
0037		02	1244	1246	1255	S17	W64	10039	07	28.8	11	SF					53		O
	KANZ	02	1244	1246	1250	S16	W63	10039	07	28.8	6	SF		2	E				
	KHAR	02	1244	1246	1303	S19	W63	10039	07	28.8	19	SN		3	P	1244	85		O
	SVTO	02	1244	1247	1251	S15	W65	10039	07	28.7	7	SF		3	E		21		
0038	SVTO	02	1255	1256	1303	S16	W65	10039	07	28.7	8	SF		3	E		11		
0039	SVTO	02	1353	1356	1359	S14	W66	10039	07	28.7	6	SF		3	E		12		
0040	SVTO	02	1424	1426	1455	S07	W08	10057	08	2.0	31	SF		3	E		51		FU
0041	SVTO	02	1432	1436	1442	S10	W69	10039	07	28.5	10	SF		3	E		19		
		02	1730		1749	No Flare Patrol													
		02	1809		1925	No Flare Patrol													
0042	HOLL	02	1925	1925	1934	S08	W06	10057	08	2.3	9	SF		3	E		18		F
0043	HOLL	02	1936	1936	1942	S15	W69	10039	07	28.7	6	SF		3	E		23		
0044	HOLL	02	1953	1958	2010	S08	W07	10057	08	2.3	17	SF		3	E		27		F
0045	HOLL	02	2004	2006	2011D	S16	W70	10039	07	28.6	7D	SF		3	E		14		
		02	2012		2153	No Flare Patrol													
0046	HOLL	02	2032	2034	2040	S16	W71	10039	07	28.6	8	SF		3	E		19		
0047	HOLL	02	2252	2253	2258D	S09	W10	10057	08	2.2	6D	SF		3	E		81		
		02	2259		2331	No Flare Patrol													
0048	LEAR	03	0149	0150	0154	S18	W88	10044	07	27.5	5	SF		3	E		32		
0049		03	0435	0437	0455	S08	W14	10057	08	2.1	20	SF					54		F
	LEAR	03	0435	0437	0455	S09	W14	10057	08	2.1	20	SF		3	E		55		F
	SVTO	03	0437E	0438U	0456D	S07	W15	10057	08	2.1	19D	SF		2	E		53		F
0050		03	0518	0519	0527	S30	W15	10060	08	2.0	9	SF					17		F
	SVTO	03	0518	0519	0529	S29	W14	10060	08	2.1	11	SF		3	E		19		F
	LEAR	03	0519	0520	0525	S30	W16	10060	08	2.0	6	SF		3	E		15		
0051		03	0534	0539	0548	S12	W76	10039	07	28.6	14	SF					64		F
	LEAR	03	0534	0539	0549	S12	W79	10039	07	28.4	15	SF		3	E		77		F
	SVTO	03	0535	0539	0548	S11	W74	10039	07	28.8	13	SF		3	E		52		

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AUGUST 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)	
0052	KANZ	03	0639	0642	0647	N03	E18	10056	08	4.6	8	SF		2	E				
0053		03	07281	07292	0734	S08	W18	10057	08	2.0	6	SF					11		
	KANZ	03	0728	0729	0735	S08	W18	10057	08	2.0	7	SF		2	E				
	SVTO	03	0729	0731	0733	S07	W18	10057	08	2.0	4	SF		3	E				11
0054		03	08381	0839	0844	S30	W19	10060	08	1.9	6	SF					21		
	KANZ	03	0838	0839	0843	S29	W18	10060	08	1.9	5	SF		2	E				
	SVTO	03	0839	0839	0844	S31	W20	10060	08	1.8	5	SF		3	E				21
0055		03	09171	09181	0922	S08	W68	10050	07	29.4	5	SF					25		
	KANZ	03	0917	0918	0922	S09	W68	10050	07	29.4	5	SF		2	E				
	SVTO	03	0918	0919	0923	S08	W68	10050	07	29.4	5	SF		3	E				25
0056	KANZ	03	1022	1024	1029	S08	W20	10057	08	1.9	7	SF		2	E				
		03	1057		1104	No Flare Patrol													
0057	KANZ	03	1256	1257	1303	S30	W19	10060	08	2.0	7	SF		2	E				
0058	KANZ	03	1514	1521	1536	S09	W22	10057	08	2.0	22	SF		2	E				
0059	HOLL	03	1654	1655	1702	S09	W73	10050	07	29.3	8	SF		3	E				35
0060	HOLL	03	1722	1726	1743	S19	W49	10052	07	31.0	21	SF		3	E				25
0061	HOLL	03	1734	1734	1745	S08	W19	10057	08	2.3	11	SF		3	E				11
0062	HOLL	03	1910	1910	1916	S16	W76	10039	07	29.1	6	SF		3	E				59
0063	HOLL	03	1949	1953	1956	S08	W21	10057	08	2.2	7	SF		3	E				12
		03	2010		2034	No Flare Patrol													
0064	HOLL	03	2107	2115	2139	S08	W22	10057	08	2.2	32	SF		3	E				47
0065	HOLL	03	2212	2213	2216	S07	W24	10057	08	2.1	4	SF		3	E				13
		03	2250		2257	No Flare Patrol													
0066	HOLL	03	2327	2328	2343	S08	W28	10057	08	1.9	16	SF		3	E				25
		04	0000		0509	No Flare Patrol													
		04	0656		0747	No Flare Patrol													
		04	0753		0757	No Flare Patrol													
		04	0809		0814	No Flare Patrol													
		04	0855		0919	No Flare Patrol													
		04	1254		1257	No Flare Patrol													
		04	1932		2056	No Flare Patrol													
		04	2104		2113	No Flare Patrol													
		04	2126		2201	No Flare Patrol													
		04	2247		2331	No Flare Patrol													
0067	LEAR	05	0329	0329	0336	S07	W45	10057	08	1.8	7	SF		3	E				22
0068	LEAR	05	0515	0517	0528	S10	W43	10057	08	2.0	13	SF		3	E				44
0069		05	0515	05212	0528	S06	W46	10057	08	1.8	13	SF					14		F
	SVTO	05	0515	0521	0528	S06	W46	10057	08	1.8	13	SF		3	E		14		F
	KANZ	05	0521E	0523	0529	S07	W45	10057	08	1.8	8D	SF		2	E				
0070	KANZ	05	0604	0605	0606	S09	W39	10057	08	2.3	2	SF		2	E				
		05	1858		2400	No Flare Patrol													
		06	0000		0014	No Flare Patrol													
0071		06	01384	01431	0200	S06	W57	10057	08	1.8	22	1N					122	1.2	DFH
	LEAR	06	0138	0143	0213	S07	W57	10057	08	1.8	35	1F		1	E		183		FH
	MITK	06	0142	0144	0147	S06	W57	10057	08	1.8	5	SN			C	0144	61	1.2	D

2002

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Corr	Remarks	
								USAF						Region	Mo			Day
0072		06	0517	05182	0530	N18	E84	10063	08	12.6	13	SF					34	
	LEAR	06	0517	0518	0527	N18	E84	10063	08	12.6	10	SF		3	E		34	
	SVTO	06	0517	0520	0533	N18	E84	10063	08	12.6	16	SF		3	E		35	
		06	0951		1018	No Flare Patrol												
0073	RAMY	06	1129	1130	1140	S08	W58	10057	08	2.1	11	SF		3	E		43	F
0074	RAMY	06	1210	1210	1223	N09	E51	10061	08	10.3	13	SF		3	E		11	F
0075	RAMY	06	1231	1232	1242	N09	E51	10061	08	10.3	11	SF		3	E		20	F
0076		06	1246	1258	1312	N16	E77	10063	08	12.4	26	1N					283	FH
	RAMY	06	1246	1258	1310	N17	E80	10063	08	12.6	24	1N		3	E		219	FH
	HOLL	06	1255E	1255U	1313	N16	E75	10063	08	12.2	18D	2N		2	E		573	
	SVTO	06	1300E	1303U	1311D	N16	E75	10063	08	12.2	11D	SF		1	E		57	FH
0077	HOLL	06	1441	1444	1447	S05	E08	10058	08	7.2	6	SF		3	E		39	F
0078		06	15212	1524	1552	S07	W66	10057	08	1.7	31	SF					37	U
	HOLL	06	1521	1524	1602	S06	W66	10057	08	1.7	41	SF		4	E		51	U
	SVTO	06	1522	1524U	1605	S07	W66	10057	08	1.7	43	SF		2	E		41	
	RAMY	06	1523	1524	1529	S08	W67	10057	08	1.6	6	SF		3	E		19	
0079	RAMY	06	1531	1534	1545	S07	W66	10057	08	1.7	14	SF		3	E		31	
0080	RAMY	06	2007	2007	2011	N09	E66		08	11.8	4	SF		3	E		24	
		06	2032		2103	No Flare Patrol												
0081	HOLL	06	2235	2236	2243	N18	E76	10063	08	12.7	8	SF		3	E		30	
		07	0010		0021	No Flare Patrol												
		07	0031		0042	No Flare Patrol												
0082	LEAR	07	0635	0636	0651	N18	E61	10063	08	11.9	16	SF		3	E		41	F
		07	0929		1029	No Flare Patrol												
0083	RAMY	07	1336	1336	1348	N09	E35	10061	08	10.2	12	SF		3	E		15	FH
		07	2034		2038	No Flare Patrol												
		07	2144		2341	No Flare Patrol												
0084	SVTO	08	0701E	0702U	0711D	N10	E27	10061	08	10.3	10D	SF		2	E		15	
0085		08	1110	1112	1122	S09	W86	10057	08	2.0	12	1N					106	HO
	RAMY	08	1110	1112	1115	S08	W83	10057	08	2.2	5	SF		3	E		23	H
	KHAR	08	1112U	1112U	1128	S10	W88	10057	08	1.8	16U	1N		3	P	1117	190	HO
		08	2013		2347	No Flare Patrol												
0086	LEAR	09	0648E	0648U	0657	N09	E08	10061	08	9.9	9D	SF		3	E		14	
		09	0747		0900	No Flare Patrol												
		09	0903		0908	No Flare Patrol												
0087	KHAR	09	1124U		1135	N18	E80	10066	08	15.6	11U	SF		2	V			
		09	2039		2045	No Flare Patrol												
		09	2123		2137	No Flare Patrol												
		09	2156		2212	No Flare Patrol												
		09	2220		2235	No Flare Patrol												
		09	2349		2400	No Flare Patrol												
		10	0000		0028	No Flare Patrol												
		10	0105		0106	No Flare Patrol												
		10	0923		1100	No Flare Patrol												
		10	1139		1225	No Flare Patrol												
		10	1351		1358	No Flare Patrol												
		10	1809		2326	No Flare Patrol												

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																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
			11 0922		1046			No Flare Patrol												
0088	RAMY	11	1336	1338	1349	N13	E47	10066	08	15.1	13	SF		3	E		40		H	
0089		11	1409	14101	1424	S04	E80	10069	08	17.6	15	SF					74		H	
	RAMY	11	1409	1410	1422	S04	E80	10069	08	17.6	13	SF		3	E		67		H	
	HOLL	11	1409	1411	1425	S05	E79	10069	08	17.5	16	SF		3	E		81		H	
0090		11	1441	1443	1515	N10	W19	10061	08	10.2	34	SF					42		F	
	HOLL	11	1441	1443	1513	N10	W20	10061	08	10.1	32	SF		3	E		32		F	
	RAMY	11	1441	1443	1517	N09	W18	10061	08	10.3	36	SF		3	E		51			
0091	HOLL	11	1631	1631	1635	N10	W21	10061	08	10.1	4	SF		3	E		15			
0092	HOLL	11	2119	2119	2126	S03	W60	10058	08	7.4	7	SF		3	E		14			
			12 0057		1028			No Flare Patrol												
0093	LEAR	12	0405	0410	0420	S03	W64	10058	08	7.4	15	1F		2	E		147		F	
0094	LEAR	12	0443	0443	0447	S04	W65	10058	08	7.3	4	SF		3	E		14		F	
0095	LEAR	12	0630	0637	0640	S04	W65	10058	08	7.4	10	SF		3	E		41			
0096	LEAR	12	0803	0804	0808	S06	W70	10058	08	7.1	5	SF		3	E		32			
0097	LEAR	12	0835	0836	0839	S04	W67	10058	08	7.3	4	SF		3	E		18			
			12 2114		2124			No Flare Patrol												
			12 2238		2335			No Flare Patrol												
0098	LEAR	13	0246	0247	0254	N13	E29	10066	08	15.3	8	SF		3	E		23		F	
0099	LEAR	13	0248	0248	0252	S06	W80	10058	08	7.1	4	SF		3	E		18			
0100	LEAR	13	0447	0450	0516	S04	W81	10058	08	7.1	29	1F		4	E		124		EF	
0101	LEAR	13	0708	0709	0712	S05	W84	10058	08	7.0	4	SF		4	E		17		H	
0102	LEAR	13	0746	0747	0750	N08	W46	10061	08	9.9	4	SF		3	E		15			
0103	LEAR	13	0756	0757	0805	S06	W85	10058	08	7.0	9	SF		3	E		36		F	
			13 0942		1022			No Flare Patrol												
			13 1036		1138			No Flare Patrol												
			13 1155		1202			No Flare Patrol												
			13 1229		1242			No Flare Patrol												
0104	KANZ	13	1415E	1415U	1426	S16	W45	10072	08	10.2	11D	SF		2	E					
0105		13	15042	15131	1534	N12	E41	10067	08	16.7	30	SF					54		F	
	KANZ	13	1504	1513	1536	N11	E41	10067	08	16.7	32	SF		2	E					
	HOLL	13	1506	1514	1532	N12	E41	10067	08	16.7	26	SF		3	E		54		F	
0106	RAMY	13	1506	1507	1648	N12	E37	10067	08	16.4	102	SF		3	E		63		F	
0107	HOLL	13	1855	1902	1932	S08	E55	10069	08	17.9	37	1F		3	E		169		FU	
0108	HOLL	13	2046	2052	2101	N12	E39	10067	08	16.8	15	SF		3	E		38			
			13 2123		2208			No Flare Patrol												
0109	HOLL	13	2206	2214	2226	N12	E38	10067	08	16.8	20	SF		3	E		41			
0110	LEAR	14	0108	0110	0116	N12	E36	10067	08	16.7	8	SF		2	E		14		F	
0111	LEAR	14	0152	0156	0300	N17	E08	10066	08	14.7	68	SF		2	E		74		FH	
0112	LEAR	14	0147	0201	0343	N09	W54	10061	08	10.0	116	1N		2	E		216		EF	

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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)	
0113	MITK	14	0210	0213	0216	N10	W54	10061	08	10.0	6	1N			C	0213	161	2.7	,BU
0114	LEAR	14	0212	0215	0227	S17	W52	10072	08	10.1	15	SF		2	E		55		
0115	LEAR	14	0349	0352	0356	N07	W55	10061	08	10.0	7	SF		2	E		22		F
0116		14	08513	0854	0902	N12	E29	10067	08	16.5	11	SF					15		F
	KANZ	14	0851	0854	0903	N12	E29	10067	08	16.5	12	SF		2	E				
	LEAR	14	0854	0854	0902	N12	E29	10067	08	16.5	8	SF		3	E		15		F
0117		14	09031	0906	0912	S06	E46	10069	08	17.8	9	SF					11		F
	KANZ	14	0903	0906	0913	S06	E47	10069	08	17.9	10	SF		2	E				
	LEAR	14	0904	0906	0911	S07	E45	10069	08	17.7	7	SF		2	E		11		F
0118	LEAR	14	0912	0912	0915	S06	E47	10069	08	17.9	3	SF		2	E		19		F
0119	KANZ	14	1004	1010	1016	S11	E45	10069	08	17.8	12	SF		2	E				
0120	KANZ	14	1116	1117	1132	N15	E12	10066	08	15.4	16	SF		2	E				
0121		14	12041	12051	1210	N12	E28	10067	08	16.6	6	SF					13		F
	KANZ	14	1204	1205	1210	N12	E28	10067	08	16.6	6	SF		2	E				
	RAMY	14	1205	1206	1210	N13	E28	10067	08	16.6	5	SF		3	E		13		F
0122		14	12028	12057	1220	N14	E10	10066	08	15.2	18	SF					14		F
	KANZ	14	1202	1205	1219	N13	E10	10066	08	15.2	17	SF		2	E				
	RAMY	14	1210	1212	1220	N14	E10	10066	08	15.3	10	SF		3	E		14		F
0123		14	14032	14051	1411	N10	E28	10067	08	16.7	8	SF					24		F
	KANZ	14	1403	1406	1412D	N12	E27	10067	08	16.6	9D	SF		2	E				
	SVTO	14	1405	1405	1411	N09	E28	10067	08	16.7	6	SF		3	E		24		F
0124	HOLL	14	1404	1407	1423	N13	E28	10067	08	16.7	19	SF		3	E		52		F
0125	HOLL	14	1807	1814	1901	N10	E23	10067	08	16.5	54	1F		3	E		232		F
0126	HOLL	14	1907	1907	1915	S08	E44	10069	08	18.1	8	SF		3	E		13		
0127	HOLL	14	1959	2002	2018	S05	E41	10069	08	17.9	19	SF		3	E		20		F
0128	HOLL	14	2136	2136	2145	N13	E25	10067	08	16.8	9	SF		4	E		15		F
0129	HOLL	14	2138	2138	2153	S05	E40	10069	08	17.9	15	SF		3	E		16		
0130	HOLL	14	2221	2222	2226	S07	E43	10069	08	18.1	5	SF		3	E		28		F
0131	LEAR	15	0437	0439	0441	N11	W26	10063	08	13.2	4	SF		2	E		22		F
0132		15	06044	06053	0625	N13	E00	10066	08	15.2	21	SF					60		F
	LEAR	15	0604	0605	0630	N12	E01	10066	08	15.3	26	SN		2	E		77		F
	SVTO	15	0608	0608	0614	N13	E01	10066	08	15.3	6	SF		3	E		43		F
	KANZ	15	0614E		0632	N13	W01	10066	08	15.2	18D	SF		2	E				
0133	KANZ	15	0614E		0621	S14	W15	10078	08	14.1	7D	SF		2	E				
0134		15	07511	0753	0812	S06	E28	10069	08	17.4	21	1F					94		FH
	LEAR	15	0751	0753	0816	S05	E28	10069	08	17.4	25	1F		2	E		119		FH
	SVTO	15	0752	0753	0808	S06	E27	10069	08	17.3	16	SF		3	E		68		FH
0135	LEAR	15	0748	0749	0750	S03	E28	10069	08	17.4	2	SF		2	E		11		
0136	KANZ	15	0827E	0834U	0856	S13	W19	10078	08	13.9	29D	SF		2	E				
		15	1006		1035	No Flare Patrol													
0137	RAMY	15	1136	1136	1146	S14	W17	10078	08	14.2	10	SF		3	E		31		F
0138		15	13242	1333	1408	S03	E26	10069	08	17.5	44	SF					68		F
	RAMY	15	1324	1333	1411	S04	E25	10069	08	17.4	47	SF		3	E		81		F
	HOLL	15	1326	1333	1405	S02	E26	10069	08	17.5	39	SF		3	E		56		F

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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)	
0139	HOLL	15	1438	1442	1453	S02	E25	10069	08	17.5	15	SF		3	E		20		F
0140	RAMY	15	1511	1514	1524	S14	W21	10078	08	14.0	13	SF		3	E		49		F
0141	RAMY	15	1641	1642	1659	S06	E24	10069	08	17.5	18	SF		3	E		16		F
0142	RAMY	15	1729	1729	1734	S06	E23	10069	08	17.4	5	SF		3	E		17		F
0143	HOLL	15	1952	1959	2008	S14	W22	10078	08	14.2	16	SF		3	E		27		
		15	2014		2105			No Flare Patrol											
		15	2241		2324			No Flare Patrol											
0144	LEAR	15	2327	2329	2347	S13	W26	10078	08	14.0	20	SF		2	E		54		FH
0145	LEAR	15	2331	2335	2340	S04	E25	10069	08	17.8	9	SF		2	E		41		F
0146	LEAR	16	0013	0027	0106	S07	E19	10069	08	17.4	53	1F		2	E		134		FU
0147	LEAR	16	0055	0055	0101	S06	E04	10068	08	16.3	6	SF		2	E		24		F
0148	LEAR	16	0101	0104	0107	S06	E04	10068	08	16.3	6	SF		2	E		38		F
0149	LEAR	16	0257	0259	0301	S14	W30	10078	08	13.8	4	SF		3	E		13		
0150	LEAR	16	0603	0611	0637	N07	W83	10061	08	10.0	34	SF		3	E		50		
0151	LEAR	16	0618	0620U	0635	S07	E16	10069	08	17.5	17	1N		3	E		244		EF
0152	LEAR	16	0855	0912	0915	S06	E14	10069	08	17.4	20	SF		3	E		57		F
0153		16	10501	1051	1056	S06	E12	10069	08	17.3	6	SF					36		
	SVTO	16	1050	1051	1056	S07	E12	10069	08	17.3	6	SF		3	E		36		
	KANZ	16	1051	1051	1056	S06	E12	10069	08	17.3	5	SF		2	E				
0154	SVTO	16	1111	1213	1409	S14	E20	10069	08	18.0	178	2N		3	E		286		FH
0155	SVTO	16	1220	1227	1242	N15	W16	10066	08	15.3	22	SF		3	E		30		F
0156	KANZ	16	1242E		1245D	S13	E21	10069	08	18.1	3D	2F		2	E				
0157	SVTO	16	1513	1551	1626	S07	E10	10069	08	17.4	73	1F		3	E		133		F
		16	1704		1907			No Flare Patrol											
		16	1934		1939			No Flare Patrol											
		16	1957		2034			No Flare Patrol											
		16	2057		2314			No Flare Patrol											
0158		16	2331	2333	2344	S06	E06	10069	08	17.4	13	SN					76		F
	HOLL	16	2331	2333	2344	S05	E06	10069	08	17.4	13	SF		3	E		63		F
	LEAR	16	2331	2333	2345	S06	E05	10069	08	17.3	14	SN		2	E		88		F
0159		17	0008	00121	0040	S06	E06	10069	08	17.4	32	SF					39		F
	HOLL	17	0008	0012	0041	S05	E06	10069	08	17.4	33	SF		3	E		22		
	LEAR	17	0008	0013	0038	S07	E05	10069	08	17.4	30	SF		3	E		56		F
0160	LEAR	17	0039	0040	0043	S07	E05	10069	08	17.4	4	SF		3	E		29		F
0161	LEAR	17	0048	0049	0052	S05	E05	10069	08	17.4	4	SF		3	E		30		F
0162	LEAR	17	0105	0105	0109	S19	E77	10083	08	22.9	4	SF		3	E		37		
0163	LEAR	17	0247	0248	0253	S03	E06	10069	08	17.6	6	SF		3	E		30		F
0164	LEAR	17	0301	0303	0305	S08	E04	10069	08	17.4	4	SF		3	E		21		
0165	LEAR	17	0302	0303	0308	S05	W10	10068	08	16.4	6	SF		3	E		12		
0166	LEAR	17	0504	0505	0509	S06	E02	10069	08	17.4	5	SF		2	E		16		F

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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)	
0167	LEAR	17	0606	0627	0639	N16	E59	10081	08	21.7	33	SF		2	E		14		F
0168		17	0621	0627	0642	S06	E05	10069	08	17.6	21	1N					82		EF
	LEAR	17	0621	0627	0642	S03	E05	10069	08	17.6	21	1N		2	E		108		FE
	SVTO	17	0632E	0632U	0636D	S08	E05	10069	08	17.6	4D	SF		2	E		57		
0169	SVTO	17	0622E	0622U	0631D	S04	E05	10069	08	17.6	9D	SF		2	E		23		
0170	LEAR	17	0622	0622	0632	N13	W27	10066	08	15.2	10	SF		3	E		16		
0171		17	0655	0657	0706	S08	E02	10069	08	17.4	11	SF					42		F
	LEAR	17	0655	0657	0705	S08	E02	10069	08	17.4	10	SF		2	E		40		F
	SVTO	17	0655E	0658	0706	S07	E02	10069	08	17.4	11D	SF		3	E		44		F
0172	LEAR	17	0803	0805	0812	N13	W28	10066	08	15.2	9	SF		2	E		23		F
0173		17	0845	0848	0856	S03	W01	10069	08	17.3	11	SF					25		F
	LEAR	17	0845	0848	0856	S03	W01	10069	08	17.3	11	SF		2	E		25		F
	KANZ	17	0849E		0849D	S03	W01	10069	08	17.3	11D	SF		2	E				
0174		17	0905	0912	0918	S06	E00	10069	08	17.4	13	SF					53		F
	KANZ	17	0903E	0908U	0909D	S08	E01	10069	08	17.4	6D	SF		2	E				
	LEAR	17	0905	0912	0918	S05	E00	10069	08	17.4	13	SF		2	E		53		F
		17	0921		0952	No Flare Patrol													
0175	SVTO	17	1120	1124U	1133	S19	E20	10079	08	19.0	13	SF		3	E		27		
0176	RAMY	17	1329	1330	1332	S05	W01	10069	08	17.5	3	SF		3	E		26		F
0177	RAMY	17	1343	1423U	1545	S05	W03	10069	08	17.3	122	SF		3	E		82		F
0178	HOLL	17	1400	1406	1407	S04	W03	10069	08	17.3	7	SF		3	E		28		F
0179	HOLL	17	1415	1415	1421	S04	W03	10069	08	17.4	6	SF		3	E		27		
0180		17	1337*	14422	1538	S03	W03	10069	08	17.3	121	SF					61		F
	SVTO	17	1337	1444	1620	S04	W04	10069	08	17.3	163	SF		3	E		90		F
	HOLL	17	1439	1442	1455	S02	W02	10069	08	17.5	16	SF		3	E		32		F
0181	RAMY	17	1545	1547	1559	S05	W03	10069	08	17.4	14	SF		3	E		34		F
		17	1957		2037	No Flare Patrol													
0182	HOLL	17	2047	2049	2108	S06	W05	10069	08	17.5	21	SF		3	E		76		F
		17	2145		2200	No Flare Patrol													
		17	2230		2239	No Flare Patrol													
		17	2249		2255	No Flare Patrol													
0183	HOLL	18	0007	0008	0012	S11	W06	10069	08	17.5	5	SF		3	E		37		
0184	HOLL	18	0037	0037	0042	S17	E61	10083	08	22.7	5	SF		3	E		17		
0185	LEAR	18	0123	0129	0137	S06	W09	10069	08	17.4	14	SF		2	E		75		F
0186	LEAR	18	0145	0149	0203	S06	W10	10069	08	17.3	18	SF		2	E		36		FH
0187	LEAR	18	0209	0210	0219	S17	E61	10083	08	22.7	10	SF		2	E		13		F
0188	LEAR	18	0245	0314	0321	S03	W11	10069	08	17.3	36	1F		2	E		110		FH
0189	LEAR	18	0328	0336	0342	S11	W10	10069	08	17.4	14	1F		2	E		102		FH
0190	LEAR	18	0334	0342	0351	N13	W38	10066	08	15.3	17	SF		2	E		33		F
0191	LEAR	18	0438	0445	0453	S19	E13	10079	08	19.2	15	1F		3	E		117		H
0192	LEAR	18	0551	0559	0622	S19	E10	10079	08	19.0	31	SF		3	E		47		

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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)	
0193	LEAR	18	0553	0554	0605	N13	W40	10066	08	15.2	12	SF		3	E		17		F
0194	LEAR	18	0606	0607	0609	S07	W11	10069	08	17.4	3	SF		3	E		37		
0195	KANZ	18	0720	0721	0723	S12	W07	10069	08	17.8	3	SF		2	E				
0196		18	0730	07313	0809	S06	W12	10069	08	17.4	39	SF					42		F
	LEAR	18	0730	0731	0813	S07	W12	10069	08	17.4	43	SF		3	E		42		F
	KANZ	18	0730	0734	0805	S06	W11	10069	08	17.5	35	SF		2	E				
0197		18	0910	09242	0936	N15	W40	10066	08	15.3	26	SF					34		F
	LEAR	18	0910	0924	0936	N16	W40	10066	08	15.3	26	SF		3	E		34		F
	KANZ	18	0910	0926	0935	N14	W40	10066	08	15.3	25	SF		2	E				
0198	KANZ	18	0950	1005	1059	S09	W13	10069	08	17.4	69	1F		2	E				
0199	KANZ	18	1207	1207	1222D	S06	W15	10069	08	17.4	15D	SF		2	E				
		18	1223		1229	No Flare Patrol													
0200		18	12441	1247	1258	S21	E12	10079	08	19.4	14	SF					44		F
	RAMY	18	1244	1247	1257	S21	E14	10079	08	19.6	13	SF		3	E		44		F
	KANZ	18	1245	1247	1258	S21	E11	10079	08	19.4	13	SF		2	E				
0201		18	13436	1349	1401	S05	W19	10069	08	17.1	18	SF					50		
	KANZ	18	1343	1349	1400	S05	W19	10069	08	17.1	17	SF		2	E				
	HOLL	18	1348	1349	1359	S05	W19	10069	08	17.1	11	SF		3	E		43		
	RAMY	18	1349	1349	1404	S06	W19	10069	08	17.1	15	SF		3	E		56		
0202	HOLL	18	1436	1437	1509	S06	W15	10069	08	17.5	33	SF		3	E		58		F
0203	RAMY	18	1458	1458	1503	S08	W15	10069	08	17.5	5	SF		3	E		28		F
0204	HOLL	18	1645	1650	1701	S20	E61	10083	08	23.4	16	SF		3	E		45		F
0205	HOLL	18	1943	1947	2002	S20	E11	10079	08	19.7	19	SF		3	E		45		F
0206	RAMY	18	2008	2008	2010	S19	E08	10079	08	19.4	2	SF		3	E		22		
0207	RAMY	18	2021	2036	2043	S07	W20	10069	08	17.3	22	SF		3	E		38		F
0208	HOLL	18	2022	2022	2039	S06	W19	10069	08	17.4	17	SF		3	E		52		
0209	RAMY	18	2036	2036	2040	S21	E07	10079	08	19.4	4	SF		3	E		42		F
0210		18	21113	2121	2200	S10	W20	10069	08	17.4	49	1N					129		FH
	RAMY	18	2111	2121	2206	S12	W19	10069	08	17.4	55	1B		3	E		130		FH
	HOLL	18	2114	2121	2155	S07	W20	10069	08	17.4	41	1F		3	E		128		
		18	2233		2348	No Flare Patrol													
0211	LEAR	19	0126	0130	0139	S18	E00	10079	08	19.0	13	SF		2	E		15		F
0212	LEAR	19	0354	0358	0408	S06	W24	10069	08	17.4	14	SF		2	E		22		F
0213	LEAR	19	0501	0510	0521	N13	W53	10066	08	15.2	20	SF		3	E		16		
0214	LEAR	19	0614	0615	0620	S18	E61	10084	08	23.9	6	SF		2	E		25		
0215		19	06241	0626	0630	S12	E62	10084	08	23.9	6	SF					31		
	KANZ	19	0624	0626	0630	S12	E61	10084	08	23.9	6	SF		2	E				
	LEAR	19	0625	0626	0629	S13	E63	10084	08	24.0	4	SF		2	E		31		
0216	KANZ	19	0632	0632	0643	S07	W23	10069	08	17.5	11	SF		2	E				
0217	KANZ	19	0802	0803	0805	S04	W23	10069	08	17.6	3	SF		2	E				
0218	LEAR	19	0806	0807	0816	S20	E00	10079	08	19.3	10	SF		3	E		24		F

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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)	
0219	KHAR	19	0939	0940	0945	N10	W55	10066	08	15.3	6	SF		2	P	0942	30		D
0220		19	10301	10331	1101	S11	W26	10069	08	17.5	31	1N					288		HL
	KHAR	19	1030	1033	1100	S13	W25	10069	08	17.5	30	1N		3	P	1036	310		L
	SVTO	19	1031	1034	1050D	S09	W27	10069	08	17.4	19D	2N		3	E		267		H
	KANZ	19	1031	1034	1102	S11	W27	10069	08	17.4	31	1F		2	E				
0221	RAMY	19	1031	1041	1103	S12	W25	10069	08	17.5	32	SF		3	E		91		F
0222		19	1124	11241	1148	S09	W26	10069	08	17.5	24	SF					19		F
	RAMY	19	1124	1124	1148	S09	W26	10069	08	17.5	24	SF		3	E		19		F
	KANZ	19	1124	1125	1141D	S09	W27	10069	08	17.4	17D	SF		2	E				
0223	RAMY	19	1148	1151	1154	S09	W27	10069	08	17.5	6	SF		3	E		16		F
0224	RAMY	19	1205	1207	1212	S09	W27	10069	08	17.5	7	SF		3	E		11		
0225	RAMY	19	1215	1217	1220	S07	W28	10069	08	17.4	5	SF		3	E		12		F
0226		19	12583	1301	1306	S08	W28	10069	08	17.4	8	SF					36		F
	RAMY	19	1258	1301	1309	S09	W28	10069	08	17.4	11	SF		3	E		40		F
	SVTO	19	1301	1301	1303	S06	W28	10069	08	17.4	2	SF		3	E		33		
0227	RAMY	19	1417	1417	1426	S17	W04	10079	08	19.3	9	SF		3	E		11		FH
0228		19	1425	1433	1511	S14	W31	10069	08	17.2	46	SF					48		F
	HOLL	19	1417E	1433U	1513	S14	W32	10069	08	17.2	56D	SF		3	E		31		F
	RAMY	19	1425	1433	1509	S13	W30	10069	08	17.3	44	SF		3	E		65		F
0229		19	15201	15203	1528	S12	W28	10069	08	17.5	8	SF					20		FH
	HOLL	19	1520	1520	1527	S12	W28	10069	08	17.5	7	SF		3	E		17		F
	RAMY	19	1521	1523	1529	S12	W29	10069	08	17.4	8	SF		3	E		22		FH
		19	1728		2039	No Flare Patrol													
0230	RAMY	19	2052E	2102U	2122D	S11	W33	10069	08	17.4	30D	1B		1	E				F
		19	2123		2347	No Flare Patrol													
0231	LEAR	19	2349E	2354U	2413	S07	W32	10069	08	17.6	24D	SF		3	E		34		F
0232		20	01354	01404	0202	S10	W35	10069	08	17.4	27	1B					189	2.9	EF
	LEAR	20	0135	0144	0217	S11	W35	10069	08	17.4	42	1N		2	E		156		FE
	MITK	20	0139	0140	0147	S10	W35	10069	08	17.4	8	1B			C	0140	222	2.9	F
0233	LEAR	20	0255	0256	0314	S10	W36	10069	08	17.4	19	1N		2	E		127		EF
0234	LEAR	20	0334	0336	0337	S08	W36	10069	08	17.4	3	SF		2	E		41		
0235	LEAR	20	0409	0410	0419	N12	W68	10066	08	15.0	10	SF		2	E		27		F
0236	LEAR	20	0444	0455	0510	S18	W15	10079	08	19.0	26	SF		3	E		19		F
0237	LEAR	20	0445	0454	0502	N12	W66	10066	08	15.2	17	SF		3	E		13		F
0238	LEAR	20	0511	0514	0523	S07	W37	10069	08	17.4	12	SF		3	E		61		EF
0239	LEAR	20	0529	0532	0548	S03	W37	10069	08	17.5	19	SF		3	E		52		F
0240	KANZ	20	0620	0620	0623	S10	W38	10069	08	17.4	3	SF		2	E				
0241		20	06401	06423	0649	S10	E62	10085	08	24.9	9	SF					46		H
	KANZ	20	0640	0642	0649	S11	E61	10085	08	24.9	9	SF		2	E				
	LEAR	20	0641	0645	0649	S10	E63	10085	08	25.0	8	SF		3	E		46		H
0242	LEAR	20	0805	0807	0809	S07	W40	10069	08	17.3	4	SF		2	E		44		F
0243		20	08162	0818	0834	S12	E51	10085	08	24.2	18	SF					36		FH
	LEAR	20	0816	0818	0833	S11	E52	10085	08	24.2	17	SF		2	E		36		FH
	KANZ	20	0818	0818	0834	S12	E50	10085	08	24.1	16	SF		2	E				

H α SOLAR FLARES

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Grp #	Sta	Start Day	Max (UT)	End (UT)	NOAA/ USAF				Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
					Region	Mo	Day	Lat							CMD	Region	
0244		20 0825	08261	0838	S10	W38	10069	08 17.5	13	1N						156	EF
	LEAR	20 0825	0826	0837	S10	W38	10069	08 17.5	12	1B			2	E		124	FE
	SVTO	20 0825E	0826U	0841D	S10	W39	10069	08 17.4	16D	1N			2	E		189	
	KANZ	20 0825	0827	0839	S11	W38	10069	08 17.5	14	1F			2	E			
0245	KHAR	20 0858E		0910D	S08	W39	10069	08 17.4	12D	SF			2	V			D
0246		20 0934I	0935I	0947	S11	W40	10069	08 17.4	13	SN						25	D
	KHAR	20 0934	0935	0947	S11	W41	10069	08 17.3	13	SN			2	P	0934	25	D
	KANZ	20 0935	0936	0938D	S11	W40	10069	08 17.4	3D	SF			2	E			
0247	KHAR	20 0958		1017U	S22	W12	10079	08 19.5	19U	SF			2	V			EL
0248		20 1110	1117	1122	S09	E58	10085	08 24.8	12	SN							H
	KHAR	20 1110	1117	1124	S06	E59	10085	08 24.9	14	SN			2	V			H
	KANZ	20 1112E	1117	1120	S12	E58	10085	08 24.8	8D	SF			2	E			
0249	RAMY	20 1125	1125	1131	S12	W39	10069	08 17.5	6	SF			3	E		14	F
0250	KHAR	20 1137		1147	S06	E59	10085	08 24.9	10	SF			2	V			HL
0251	RAMY	20 1313	1314	1316	S06	W41	10069	08 17.5	3	SF			3	E		15	F
0252		20 1429	1438	1508	S18	E35	10083	08 23.3	39	SF						82	FHU
	SVTO	20 1429	1438	1503D	S20	E35	10083	08 23.3	34D	SF			2	E		86	UF
	HOLL	20 1429	1438	1508	S17	E35	10083	08 23.3	39	SF			3	E		77	FH
0253	HOLL	20 1558	1600	1616	N17	E13	10081	08 21.6	18	SF			3	E		23	F
0254	HOLL	20 1639E	1641U	1719D	S06	E62	10085	08 25.3	40D	SF			3	E		13	F
0255	RAMY	20 1702	1714	1724	S08	W44	10069	08 17.4	22	SF			3	E		16	F
		20 1735		1807	No Flare Patrol												
0256	HOLL	20 1759E	1759U	1812D	S07	W45	10069	08 17.4	13D	SF			3	E		39	F
		20 2031		2036	No Flare Patrol												
0257	HOLL	20 2044	2112	2144	S10	E45	10085	08 24.2	60	1F			3	E		245	FU
0258	HOLL	20 2114	2115	2129	S09	W44	10069	08 17.6	15	1F			3	E		112	F
		20 2122		2126	No Flare Patrol												
0259	HOLL	20 2225	2229	2238	S09	W45	10069	08 17.5	13	SF			3	E		58	F
0260	HOLL	20 2243	2253	2258	S07	W48	10069	08 17.3	15	SF			3	E		19	
		20 2244		2251	No Flare Patrol												
0261	HOLL	20 2311	2311	2317	S12	W45	10069	08 17.6	6	SF			3	E		31	
0262	LEAR	21 0139	0140	0148	S11	W47	10069	08 17.5	9	SF			3	E		18	FH
0263	LEAR	21 0408	0416	0445	S10	E40	10084	08 24.2	37	1F			3	E		113	F
0264		21 0530I	0532I	0559	S10	W51	10069	08 17.4	29	1B						216	FH
	LEAR	21 0530	0532	0551	S12	W51	10069	08 17.4	21	1B			3	E		233	FH
	SVTO	21 0531	0533	0607	S07	W51	10069	08 17.4	36	1N			3	E		200	FH
0265	LEAR	21 0554	0555	0558	S08	W53	10069	08 17.3	4	SF			3	E		23	F
0266	LEAR	21 0618	0621	0626	S08	W53	10069	08 17.3	8	SF			3	E		53	F
0267	SVTO	21 0930	0930	0932	S07	W51	10069	08 17.6	2	SF			3	E		12	
		21 1102		1106	No Flare Patrol												
		21 1137		1140	No Flare Patrol												

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Aug 02

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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)	
0268	SVTO	21	1142E	1142U	1153D	S19	E16	10083	08	22.7	11D	SF		2	E		13		
0269	RAMY	21	1205	1206	1236	S10	W54	10069	08	17.4	31	SF		3	E		33		F
0270	RAMY	21	1205	1205	1241	S18	E17	10083	08	22.8	36	SF		3	E		21		F
0271	RAMY	21	1246	1248	1258	S10	W54	10069	08	17.5	12	SF		3	E		39		F
0272	RAMY	21	1300	1309	1311	S10	W55	10069	08	17.4	11	SF		3	E		11		F
0273		21	14351	1436	1442	N09	W62	10067	08	16.9	7	SF					22		
	HOLL	21	1435	1436	1442	N10	W61	10067	08	17.0	7	SF		3	E		30		
	RAMY	21	1436	1436	1441	N08	W62	10067	08	16.9	5	SF		3	E		13		
0274		21	14361	1437	1441	S12	E45	10085	08	25.0	5	SF					34		
	SVTO	21	1436	1437	1440	S14	E45	10085	08	25.0	4	SF		3	E		19		
	HOLL	21	1436	1437	1441	S11	E45	10085	08	25.0	5	SF		3	E		36		
	RAMY	21	1437	1437	1441	S10	E45	10085	08	25.0	4	SF		3	E		48		
0275	RAMY	21	1443	1445	1449	S12	W55	10069	08	17.5	6	SF		3	E		16		
0276	RAMY	21	1606	1612	1616	S09	W56	10069	08	17.5	10	SF		3	E		36		
0277	RAMY	21	1701	1701	1705	S14	W58	10069	08	17.3	4	SF		3	E		23		F
0278	RAMY	21	1722	1722	1730	S11	W60	10069	08	17.2	8	SF		3	E		56		F
		21	2049		2057	No Flare Patrol													
0279	RAMY	21	2102	2102	2105	S12	W64	10069	08	17.0	3	SF		3	E		27		
		21	2112		2122	No Flare Patrol													
		21	2132		2245	No Flare Patrol													
0280	LEAR	21	2358	2359	2408	S08	W61	10069	08	17.4	10	SF		2	E		38		
0281	LEAR	22	0037	0038	0040	S07	W61	10069	08	17.4	3	SF		3	E		17		
0282	LEAR	22	0053	0054	0057	S10	W66	10069	08	17.1	4	SF		3	E		35		FH
0283	LEAR	22	0105	0113	0119	S08	W62	10069	08	17.4	14	SF		3	E		77		F
0284	LEAR	22	0144	0159	0208	S18	E07	10083	08	22.6	24	SF		3	E		24		
0285	LEAR	22	0151	0153	0225	S07	W62	10069	08	17.4	34	2B		3	E		256		EF
0286	LEAR	22	0309	0309	0312	S13	W60	10069	08	17.6	3	SF		3	E		38		F
0287	LEAR	22	0329	0330	0332	S07	W64	10069	08	17.3	3	SF		3	E		23		
0288	LEAR	22	0359	0402	0406	S11	E41	10085	08	25.2	7	SF		2	E		42		
0289	LEAR	22	0409	0411	0427	S09	E37	10085	08	24.9	18	SF		2	E		24		F
0290	LEAR	22	0514	0517	0522	S06	E41	10085	08	25.3	8	SF		3	E		56		F
0291	LEAR	22	0622	0622	0630	N15	W27	10080	08	20.2	8	SF		3	E		22		F
0292	LEAR	22	0621	0741	0908	S21	W41	10079	08	19.1	167	1F		3	E		115		F
0293	SVTO	22	0628	0631	0633	S18	W36	10079	08	19.5	5	SF		3	E		40		F
0294	SVTO	22	0638	0733	0817	S17	W39	10079	08	19.3	99	SF		3	E		42		F
0295	LEAR	22	0652	0656	0659	S06	E40	10085	08	25.3	7	SF		3	E		24		
0296	LEAR	22	0716	0716	0726	S06	E39	10085	08	25.2	10	SF		3	E		19		F
0297	LEAR	22	0745	0749	0752	S10	W67	10069	08	17.3	7	SF		3	E		18		

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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		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0298		22	0803	0805	0808	S10	W64	10069	08	17.5	5	SF					54		
	SVTO	22	0803	0805	0807	S07	W62	10069	08	17.7	4	SF		3	E		50		
	LEAR	22	0803	0805	0809	S13	W65	10069	08	17.4	6	SF		2	E		59		
0299	KHAR	22	0842E		0910	S23	W34	10079	08	19.7	28D	SF		2	P	0855	80		E
0300	KHAR	22	0904	0904	0914	S01	E76	10087	08	28.0	10	SN		2	V				D
0301	KHAR	22	0936	0938	0948	S05	E42	10085	08	25.5	12	SN		3	P	0941	40		DO
0302		22	10453	10483	1100	S06	E38	10085	08	25.3	15	SF					64		FO
	KHAR	22	1045	1048	1055D	S06	E42	10085	08	25.6	10D	1N		3	P				O
	KANZ	22	1046	1051	1101	S06	E37	10085	08	25.2	15	SF		2	E				
	SVTO	22	1047	1048	1056	S09	E38	10085	08	25.3	9	SF		3	E		71		
	RAMY	22	1048	1049	1102	S05	E36	10085	08	25.1	14	SF		2	E		56		F
0303		22	1140	1140	1150	S06	E40	10085	08	25.5	10	SF					14		EL
	RAMY	22	1140	1140	1150	S07	E37	10085	08	25.2	10	SF		3	E		14		
	KHAR	22	1141U		1150	S06	E42	10085	08	25.6	9U	SF		2	V				LE
0304		22	11552	1157	1204	S05	W64	10069	08	17.7	9	SF					18		D
	KHAR	22	1155		1205D	S07	W63	10069	08	17.8	10D	SF		2	V				D
	RAMY	22	1157	1157	1204	S03	W66	10069	08	17.6	7	SF		3	E		18		
0305	KHAR	22	1159	1202	1205D	S01	E78	10087	08	28.3	6D	SN		2	V				
0306	RAMY	22	1322	1322	1329	S04	W67	10069	08	17.5	7	SF		3	E		19		
0307	RAMY	22	1458	1500	1503	S09	W73	10069	08	17.1	5	SF		3	E		10		
0308		22	1619	16222	1632	S22	W49	10079	08	18.9	13	SF					44		F
	HOLL	22	1619	1622	1631	S22	W48	10079	08	19.0	12	SF		3	E		50		
	RAMY	22	1619	1624	1632	S22	W50	10079	08	18.8	13	SF		3	E		45		F
	SVTO	22	1622E	1624U	1634D	S22	W49	10079	08	18.9	12D	SF		2	E		36		
0309	HOLL	22	1720	1721	1724	S05	E77	10087	08	28.5	4	SF		3	E		16		
0310	HOLL	22	1739	1751	1842	S05	E76	10087	08	28.4	63	1N		3	E		103		F
0311	RAMY	22	1746	1802	1821	S04	E73	10087	08	28.2	35	1F		3	E		107		FH
0312	HOLL	22	1813	1820	1838	S06	E30	10085	08	25.0	25	SF		3	E		17		
0313		22	18291	18301	1844	S22	W44	10079	08	19.4	15	SF					26		
	HOLL	22	1829	1831	1838	S21	W44	10079	08	19.4	9	SF		3	E		23		
	RAMY	22	1830	1830	1850	S22	W44	10079	08	19.4	20	SF		3	E		30		
0314	RAMY	22	1831	1831	1835	S05	E71	10087	08	28.1	4	SF		3	E		14		
		22	2025		2030	No Flare Patrol													
0315	HOLL	22	2035	2038	2044	S12	W70	10069	08	17.6	9	SF		3	E		20		F
0316	HOLL	22	2054	2055	2103	S21	W46	10079	08	19.3	9	SF		3	E		31		F
		22	2112		2129	No Flare Patrol													
		22	2134		2158	No Flare Patrol													
0317		23	0043	00462	0123	S06	E26	10085	08	25.0	40	SF					32		F
	LEAR	23	0043	0046	0123	S06	E26	10085	08	25.0	40	SF		3	E		45		F
	HOLL	23	0043	0048	0057D	S07	E26	10085	08	25.0	14D	SF		3	E		20		
0318		23	0043	00451	0052	S08	W74	10069	08	17.5	9	SF					56		F
	HOLL	23	0043	0045	0056	S07	W74	10069	08	17.5	13	SF		3	E		43		F
	LEAR	23	0043	0046	0049	S08	W75	10069	08	17.4	6	SF		3	E		68		F
0319	LEAR	23	0147	0203	0206	S07	W76	10069	08	17.4	19	SF		3	E		64		
0320	LEAR	23	0319	0320	0322	S18	W07	10083	08	22.6	3	SF		3	E		13		

H α S O L A R F L A R E S17
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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)	
0321	LEAR	23	0355	0356	0400	S03	E69	10087	08	28.3	5	SF		3	E		15		
		23	0412		0416	No Flare Patrol													
0322	LEAR	23	0418	0420	0430	S07	W77	10069	08	17.4	12	SF		3	E		48		
0323	LEAR	23	0432	0436	0440	S12	E12	10084	08	24.1	8	SF		3	E		64		F
0324	LEAR	23	0518	0519	0523	S13	E12	10084	08	24.1	5	SF		3	E		19		
0325	LEAR	23	0537	0549	0628	S04	E22	10085	08	24.9	51	2N		3	E		467		EF
0326	LEAR	23	0541	0543	0606	S10	W80	10069	08	17.2	25	SN		3	E		87		EH
0327		23	05444	05462	0550	S06	E70	10087	08	28.5	6	SF					64		
	LEAR	23	0544	0546	0548	S03	E66	10087	08	28.2	4	SF		3	E		49		
	LEAR	23	0548	0548	0551	S08	E73	10087	08	28.7	3	SF		3	E		79		
0328	LEAR	23	0544	0548	0552	S13	E11	10084	08	24.1	8	SF		3	E		34		F
0329	SVTO	23	0546E	0550U	0603D	S11	E23	10085	08	25.0	17D	SF		2	E		85		F
0330	LEAR	23	0604	0608	0613	S17	W09	10083	08	22.6	9	SF		3	E		16		F
0331		23	0619	0623	0712	S06	E70	10087	08	28.5	53	SN					38		FH
	LEAR	23	0619	0623	0712	S03	E67	10087	08	28.3	53	SN		3	E		39		FH
	SVTO	23	0630E	0632U	0718D	S08	E72	10087	08	28.7	48D	SF		3	E		38		
0332	LEAR	23	0624	0625	0631	S09	W81	10069	08	17.2	7	SN		3	E		33		E
0333	LEAR	23	0711	0712	0716	S09	W82	10069	08	17.1	5	SF		3	E		14		
0334	LEAR	23	0720	0721	0724	S09	E22	10085	08	24.9	4	SF		3	E		14		H
0335	LEAR	23	0748	0750	0753	S18	W09	10083	08	22.6	5	SF		3	E		23		F
0336	LEAR	23	0805	0805	0813	S18	W13	10083	08	22.3	8	SF		3	E		14		
0337	LEAR	23	0823	0823	0827	S18	W58	10079	08	18.9	4	SF		2	E		21		F
0338	LEAR	23	0824	0832	0905	S08	E73	10087	08	28.8	41	SF		2	E		52		FH
0339	LEAR	23	0837	0841	0843	S09	W83	10069	08	17.1	6	SF		2	E		24		
0340		23	08537	09001	0906	S08	W80	10069	08	17.4	13	SF					54		
	LEAR	23	0853	0901	0908	S09	W85	10069	08	17.0	15	SF		2	E		70		
	SVTO	23	0900	0900	0904	S07	W74	10069	08	17.8	4	SF		3	E		37		
0341	SVTO	23	0855	0856	0858	S04	W77	10068	08	17.6	3	SF		3	E		30		
0342	LEAR	23	0907	0912	0914	S07	E72	10087	08	28.8	7	SF		1	E		25		
0343	KHAR	23	0910E		0945	S04	E74	10087	08	28.9	35D	1N		3	P	0919	280		L
0344	LEAR	23	0916	0918	0921	S09	W86	10069	08	16.9	5	SF		1	E		38		
0345	KHAR	23	0945	0948	1005	S09	W76	10069	08	17.7	20	1B		3	P	0951	310		
0346	KHAR	23	1054	1056	1100D	S10	W77	10069	08	17.7	6D	SF		2	V				H
0347		23	1106	1106	1110	S14	E09	10084	08	24.1	4	SF					29		
	RAMY	23	1106	1106	1111	S14	E09	10084	08	24.1	5	SF		3	E		29		
	KANZ	23	1109E		1110	S14	E09	10084	08	24.1	1D	SF		2	E				
0348	RAMY	23	1106	1106	1113	S11	W87	10069	08	16.9	7	SF		3	E		54		H
0349	SVTO	23	1145	1151	1201	S04	W78	10069	08	17.6	16	SF		3	E		86		
0350	SVTO	23	1204	1205	1208	S07	W75	10069	08	17.9	4	SF		3	E		22		

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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)	
0351	RAMY	23	1248	1315	1407	S03	E64	10087	08	28.3	79	2N		3	E		325		FU
0352	HOLL	23	1323	1323	1412	S05	E61	10087	08	28.1	49	2F		3	E		413		F
0353	RAMY	23	1307	1307	1311	S07	W82	10069	08	17.4	4	SF		3	E		13		
0354	KANZ	23	1337E		1357D	S05	E60	10087	08	28.0	20D	SF		2	E				
0355		23	14001	1401	1408	S09	W85	10069	08	17.2	8	SF					30		H
	HOLL	23	1400	1401	1411	S08	W81	10069	08	17.5	11	SF		3	E		35		
	RAMY	23	1401	1401	1406	S10	W89	10069	08	16.9	5	SF		3	E		25		H
0356		23	1416*	14261	1441	S07	W82	10069	08	17.4	25	SN					84		H
	HOLL	23	1416	1426	1442	S08	W83	10069	08	17.4	26	SN		3	E		99		H
	RAMY	23	1418	1426	1440	S09	W81	10069	08	17.5	22	SN		3	E		83		H
	SVTO	23	1426	1427	1430D	S05	W83	10069	08	17.4	4D	SF		2	E		70		
0357	SVTO	23	1433	1436	1439	S05	W80	10069	08	17.6	6	SF		3	E		51		
0358		23	14443	1448	1454	S10	W84	10069	08	17.3	10	SF					28		H
	HOLL	23	1444	1448	1456	S09	W79	10069	08	17.7	12	SF		3	E		30		
	RAMY	23	1447	1448	1453	S10	W89	10069	08	16.9	6	SF		3	E		25		H
0359		23	15061	15061	1521	S22	W08	10083	08	23.0	15	SF					27		FH
	HOLL	23	1506	1506	1527	S23	W07	10083	08	23.1	21	SF		3	E		26		FH
	RAMY	23	1506	1507	1523	S23	W07	10083	08	23.1	17	SF		3	E		34		FH
	SVTO	23	1507	1507	1512	S21	W09	10083	08	22.9	5	SF		3	E		21		
0360		23	1523	1524	1528	S10	W86	10069	08	17.2	5	SF					29		
	HOLL	23	1523	1524	1528	S09	W82	10069	08	17.5	5	SF		3	E		36		
	RAMY	23	1523	1524	1528	S10	W89	10069	08	16.9	5	SF		3	E		22		
0361		23	15421	15422	1548	S10	W89	10069	08	17.0	6	SF					22		
	RAMY	23	1542	1542	1547	S10	W89	10069	08	17.0	5	SF		3	E		29		
	HOLL	23	1543	1544	1549	S09	W89	10069	08	17.0	6	SF		3	E		16		
0362	HOLL	23	1751	1752	1756	S09	W84	10069	08	17.4	5	SF		3	E		26		
0363	HOLL	23	1854	1856	1903	S14	E23	10085	08	25.5	9	SF		3	E		22		F
0364	HOLL	23	2005	2023	2105	S17	W12	10083	08	22.9	60	1F		3	E		100		FU
0365	RAMY	23	2007	2016	2130	S17	W15	10083	08	22.7	83	2F		3	E		270		HU
0366		23	20043	20043	2023	S04	E60	10087	08	28.3	19	SF					33		F
	HOLL	23	2004	2004	2019	S04	E60	10087	08	28.3	15	SF		3	E		19		
	RAMY	23	2007	2007	2027	S03	E61	10087	08	28.4	20	SF		3	E		47		F
0367	RAMY	23	2026.	2031	2034	S22	W29	10088	08	21.6	8	SF		3	E		16		F
0368	RAMY	23	2140	2140	2143	S07	W87	10069	08	17.4	3	SF		3	E		15		F
		23	2227		2233	No Flare Patrol													
0369	LEAR	24	0002	0005	0025	S06	E12	10085	08	24.9	23	SF		3	E		26		F
0370	LEAR	24	0055	0103	0123	S02	W81	10069	08	18.0	28	1F		3	E		122		F
0371	LEAR	24	0517	0520	0524	S07	E10	10085	08	25.0	7	SF		2	E		33		F
0372		24	05361	0546	0640	S07	E53	10087	08	28.2	64	2B					266		EFH
	LEAR	24	0536	0546	0648	S05	E54	10087	08	28.3	72	2B		1	E		285		HE
	SVTO	24	0537	0546	0632	S09	E52	10087	08	28.1	55	1N		2	E		246		FH
0373	KANZ	24	0623E	0623U	0643	S05	E50	10087	08	28.0	20D	SF		2	E				
0374	LEAR	24	0617	0621	0623	S08	E11	10085	08	25.1	6	SF		1	E		45		F

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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)	
0375		24	0925	0928	0940	S06	E07	10085	08	24.9	15	SF					21		F
	SVTO	24	0925	0928	0938	S06	E07	10085	08	24.9	13	SF		2	E		21		F
	KANZ	24	0935E	0935U	0943	S05	E07	10085	08	24.9	80	SF		2	E				
0376	RAMY	24	1201	1202	1235	S17	W24	10083	08	22.7	34	SF		3	E		10		
0377	KANZ	24	1240	1240	1250	S19	W10	10084	08	23.8	10	SF		2	E				
0378		24	15101	15111	1515	S24	W74	10079	08	18.9	5	SF					20		H
	RAMY	24	1510	1511	1515	S25	W77	10079	08	18.7	5	SF		3	E		22		H
	HOLL	24	1511	1512	1515	S24	W71	10079	08	19.1	4	SF		3	E		19		
0379	HOLL	24	1754	1757	1801	S04	E48	10087	08	28.3	7	SF		3	E		13		F
0380	HOLL	24	1839	1839	1842	S18	W27	10083	08	22.7	3	SF		3	E		13		
			25 0137		0205														
			25 0458		0459														
								No Flare Patrol											
								No Flare Patrol											
0381	KANZ	25	0745	0746	0750	N12	W60	10080	08	20.8	5	SF		2	E				
0382	KANZ	25	0931	0932	0936	S06	W02	10085	08	25.2	5	SF		2	E				
0383	KHAR	25	0945E		1001	N09	W61	10080	08	20.8	160	SF		3	P	0950	85		L
0384		25	10362	10381	1043	S22	W49	10088	08	21.7	7	SF					30		
	KHAR	25	1036	1038	1045	S23	W52	10088	08	21.4	9	SN		3	P	1041	30		
	SVTO	25	1038	1039	1042	S19	W49	10088	08	21.7	4	SF		3	E		30		
	KANZ	25	1038	1039	1042	S23	W47	10088	08	21.8	4	SF		2	E				
0385	KHAR	25	1106	1107	1135	S05	W90	10069	08	18.7	29	1B		3	P				LO
0386	KANZ	25	1159	1159	1202	S19	W28	10083	08	23.4	3	SF		2	E				
0387	RAMY	25	1257	1259	1304	N14	W62	10080	08	20.8	7	SF		3	E		18		F
0388	SVTO	25	1604	1605	1616	N16	W65	10080	08	20.7	12	SF		3	E		16		
0389	HOLL	25	1851	1855	1910	S17	W40	10083	08	22.7	19	SF		3	E		60		FH
0390	HOLL	25	2340	2345	2409	S18	W42	10083	08	22.8	29	SF		3	E		54		F
0391	HOLL	26	0043	0107	0121	S19	W45	10083	08	22.6	38	SF		3	E		46		F
			26 0131		0502														
								No Flare Patrol											
0392	SVTO	26	0535E	0538	0549	S05	W14	10085	08	25.2	140	SF		3	E		40		FH
0393		26	0942	0944	1020	S06	W15	10085	08	25.3	38	1F					125		F
	SVTO	26	0942	0944	1016	S05	W15	10085	08	25.3	34	1F		3	E		125		F
	KANZ	26	0949E		1025	S06	W15	10085	08	25.3	360	1F		2	E				
0394		26	1254	13001	1317	S06	W16	10085	08	25.3	23	SF					60		F
	KANZ	26	1254	1300	1318	S06	W17	10085	08	25.3	24	SF		2	E				
	RAMY	26	1254	1301	1316	S07	W15	10085	08	25.4	22	SF		3	E		60		F
0395		26	13401	1342	1345	S06	W20	10085	08	25.1	5	SF					16		
	KANZ	26	1340	1342	1346	S06	W20	10085	08	25.1	6	SF		2	E				
	RAMY	26	1341	1342	1344	S07	W19	10085	08	25.1	3	SF		3	E		16		
0396	KANZ	26	1430	1430	1435	S06	W18	10085	08	25.2	5	SF		2	E				
0397		26	1623	16233	1646	S19	W53	10083	08	22.6	23	SF					45		F
	RAMY	26	1623	1623	1646	S19	W53	10083	08	22.6	23	SF		3	E		45		F
	HOLL	26	1623	1626	1645	S19	W53	10083	08	22.6	22	SF		3	E		45		F
0398		26	18391	1842	1848	S08	W24	10085	08	25.0	9	SF					61		FH
	RAMY	26	1839	1842	1849	S08	W23	10085	08	25.0	10	SF		3	E		75		FH
	HOLL	26	1840	1842	1847	S07	W24	10085	08	25.0	7	SF		3	E		47		FH

H α SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF				Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Lat	CMD	Region	Mo							CMP Day	Region	
0399		26	1939S	19582	2028	S18	W54	10083	08	22.7	49	SF					67	F
	RAMY	26	1939	2000	2034	S18	W56	10083	08	22.5	55	SF					82	F
	HOLL	26	1944	1958	2023	S18	W52	10083	08	22.9	39	SF	3	E			52	F
0400	HOLL	26	2024	2026	2030	S20	W56	10083	08	22.6	6	SF					10	
0401	HOLL	26	2134	2135	2138	S08	W25	10085	08	25.0	4	SF					52	H
		27	0014		0019	No Flare	Patrol											
		27	0129		0441	No Flare	Patrol											
0402	KHAR	27	0900		0905D	S07	E15	10087	08	28.5	5D	SF			2	P		O
0403	SVTO	27	0926E	0932U	0949D	S10	E17	10087	08	28.7	23D	SF			2	E	30	
0404	KHAR	27	1004	1006	1009	S08	W26	10085	08	25.5	5	SF			2	V		
0405	KHAR	27	1106	1107	1109	S10	W31	10085	08	25.1	3	SN			2	V		D
		27	1111		1128	No Flare	Patrol											
		27	1133		1226	No Flare	Patrol											
0406	KHAR	27	1227E	1229	1237	S26	W71	10088	08	22.0	10D	SN			3	P		
		27	1306		1311	No Flare	Patrol											
0407	HOLL	27	1857	1858	1900	S18	W65	10083	08	22.8	3	SF			3	E	15	
		28	0000		0059	No Flare	Patrol											
		28	0128		0142	No Flare	Patrol											
		28	0257		0519	No Flare	Patrol											
		28	0531		0547	No Flare	Patrol											
		28	0755		0852	No Flare	Patrol											
0408	KHAR	28	0917E		0928	S22	W90	10088	08	21.5	11D	SF			3	P		H
0409	KHAR	28	0950E		0958	S21	W71	10083	08	23.0	8D	SN			2	P	0953	45
0410	KHAR	28	1018	1020	1026	S21	W71	10083	08	23.0	8	SN			2	V		
0411		28	1059I	11003	1105	S18	W75	10083	08	22.7	6	SN					82	H
	SVTO	28	1059	1100	1105	S15	W79	10083	08	22.5	6	SF			3	E	82	
	KHAR	28	1100	1103	1108D	S21	W71	10083	08	23.0	8D	SN			2	V		H
0412	KANZ	28	1134	1136	1141	S06	W42	10085	08	25.3	7	SF			2	E		
		28	1242		1247	No Flare	Patrol											
		28	1308		1312	No Flare	Patrol											
		28	1331		1347	No Flare	Patrol											
		28	1459		1505	No Flare	Patrol											
		28	1537		1557	No Flare	Patrol											
		28	1633		1646	No Flare	Patrol											
0413	HOLL	28	1735	1739	1743	S09	E01	10087	08	28.8	8	SF			3	E	16	F
0414	RAMY	28	1743	1749	1756	S18	W78	10083	08	22.8	13	SF			3	E	88	H
0415	RAMY	28	1841	1842	1847	S17	W81	10083	08	22.6	6	SF			3	E	32	H
0416	HOLL	28	1847	1848	1855	S03	E23	10090	08	30.5	8	SF			3	E	59	F
0417	HOLL	28	1908	1916	1925	S03	E27	10090	08	30.8	17	SF			3	E	14	
0418	HOLL	28	2017	2023	2030	S18	W79	10083	08	22.8	13	SF			3	E	25	
		28	2115		2212	No Flare	Patrol											
		28	2231		2400	No Flare	Patrol											
		29	0000		0117	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)	
0419	KHAR	29	0955		1012	N14	E90	10095	09	5.2	17	SN		3	P				H
0420	KHAR	29	0957		1025U	S17	W90	10083	08	22.6	28U	SN		2	P				
0421	KHAR	29	1036	1039	1050U	S17	W90	10083	08	22.6	14U	SN		2	P				H
0422		29	1038	1038U	1059	S12	W50	10085	08	25.7	21	1F				1051	154		F
	KHAR	29	1038		1059	S13	W50	10085	08	25.7	21	1F		2	P		240		
	RAMY	29	1038E	1038U	1059	S11	W49	10085	08	25.7	21D	SF		3	E		67		F
0423	KHAR	29	1058	1100	1105	S08	W15	10087	08	28.3	7	SF		2	V				EH
0424	KHAR	29	1102	1103	1120	N13	E90	10095	09	5.2	18	SN		2	P				DH
0425	KHAR	29	1205		1220D	N12	E87	10095	09	5.0	15D	SF		2	P				EH
0426	RAMY	29	1215	1215	1227	S17	E73	10094	09	4.0	12	SF		3	E		22		
0427	RAMY	29	1242	1248	1259	S18	E73	10094	09	4.1	17	SF		3	E		28		
		29	1252		1256	No Flare Patrol													
		29	1302		1304	No Flare Patrol													
		29	1343		1348	No Flare Patrol													
0428	SVTO	29	1356E	1357U	1401	S03	W16	10087	08	28.4	5D	SF		2	E		10		
0429	HOLL	29	1423	1425	1440	S04	W16	10087	08	28.4	17	SF		3	E		79		
0430	HOLL	29	1427	1431	1440	S04	E12	10090	08	30.5	13	SF		3	E		30		
		29	1533		1633	No Flare Patrol													
		29	1713		1734	No Flare Patrol													
0431	HOLL	29	1742E	1815U	1817	S23	E73	10094	09	4.4	35D	SF		3	E		31		
0432	HOLL	29	1823	1829	1837	S17	E69	10094	09	4.0	14	SF		3	E		36		
		29	1854		1907	No Flare Patrol													
		29	1920		1927	No Flare Patrol													
0433	HOLL	29	1934	1938	1941	S11	W21	10087	08	28.2	7	SF		3	E		22		
0434	HOLL	29	2147	2148	2151	N08	E83	10095	09	5.1	4	SF		3	E		10		
0435	HOLL	29	2151	2156	2158	N07	E87	10095	09	5.4	7	SF		3	E		34		
0436	HOLL	29	2148	2152	2156	S16	E67	10094	09	4.0	8	SF		3	E		14		
0437	HOLL	29	2331	2334	2349	N08	E83	10095	09	5.2	18	1F		3	E		149		
0438	KANZ	30	0647	0647	0657	N08	E78	10095	09	5.1	10	SF		2	E				
0439	KHAR	30	0850E		0925	N13	E76	10095	09	5.1	35D	1N		3	P	0905	270		
0440	KHAR	30	0943	0944	0948	S10	W21	10087	08	28.8	5	SF		3	P				DHO
0441	KHAR	30	1014	1015	1023	S13	E60	10094	09	3.9	9	SF		3	P	1018	75		
0442		30	10163	10182	1027	N10	E76	10095	09	5.1	11	1N				1018	270		
	KHAR	30	1016	1018	1030	N13	E75	10095	09	5.1	14	1N		3	P		270		
	KANZ	30	1019	1020	1024	N08	E76	10095	09	5.1	5	SF		2	E				
0443		30	10509	10556	1107	S18	W28	10092	08	28.3	17	SF					23		E
	KANZ	30	1050	1101	1110	S19	W29	10092	08	28.2	20	SF		2	E				
	SVTO	30	1052E	1054U	1107	S17	W30	10092	08	28.2	15D	SF		3	E		23		
	KHAR	30	1053	1055	1104	S15	W25	10092	08	28.6	11	SF		2	V				E
	RAMY	30	1059	1100	1108	S19	W29	10092	08	28.2	9	SF		3	E		23		
0444	KHAR	30	1125		1134	S12	W30	10087	08	28.2	9	SF		2	V				

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H α S O L A R F L A R E S

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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)	
0445		30	11303	1134	1144	N08	E75	10095	09	5.1	14	SF					31		
	RAMY	30	1130	1134	1145	N09	E76	10095	09	5.2	15	SF		3	E		31		
	KANZ	30	1133	1134	1144	N08	E74	10095	09	5.0	11	SF		2	E				
0446	RAMY	30	1154	1155	1157	N09	E75	10095	09	5.1	3	SF		3	E		11		
0447	RAMY	30	1226	1328	1349	N15	E74	10095	09	5.1	83	SN		3	E		89		FH
0448	KANZ	30	1227	1227	1322	N08	E73	10095	09	5.0	55	SF		2	E				
0449	SVTO	30	1236E	1312U	1312D	N02	E73	10095	09	5.0	36D	SF		3	E		58		F
0450		30	1306*	1322	1331	S09	W26	10087	08	28.6	25	SF					16		
	RAMY	30	1306	1322	1332	S06	W26	10087	08	28.6	26	SF		3	E		16		
	KANZ	30	1321	1322	1330	S12	W26	10087	08	28.6	9	SF		2	E				
0451	RAMY	30	1315	1319	1322	S11	W70	10085	08	25.3	7	SF		3	E		10		
0452	KANZ	30	1327	1329	1348	N08	E75	10095	09	5.2	21	SF		2	E				
0453		30	1415	1418	1423	N08	E74	10095	09	5.1	8	SF					24		
	KANZ	30	1415	1418	1422	N08	E73	10095	09	5.1	7	SF		2	E				
	RAMY	30	1415	1418	1424	N08	E76	10095	09	5.3	9	SF		3	E		24		
0454	HOLL	30	1427	1431	1436	N08	E75	10095	09	5.2	9	SF		3	E		29		F
0455	HOLL	30	1441	1443	1456	N09	E77	10095	09	5.4	15	SF		3	E		33		
0456	HOLL	30	1525	1527	1530	N07	E81	10095	09	5.7	5	SF		3	E		28		F
0457	HOLL	30	1534	1539	1542	N09	E78	10095	09	5.5	8	SF		3	E		18		
0458	HOLL	30	1552	1555	1601	N08	E77	10095	09	5.4	9	SF		3	E		33		
0459	HOLL	30	1744	1744	1749	N06	E81	10095	09	5.8	5	SF		3	E		12		F
0460	HOLL	30	1822	1827	1834	N08	E70	10095	09	5.0	12	SF		3	E		11		
0461	HOLL	30	1824	1825	1827	S11	W29	10087	08	28.6	3	SF		3	E		15		
0462	HOLL	30	2029	2030	2033	S11	W30	10087	08	28.6	4	SF		3	E		12		
		30	2120		2124	No Flare Patrol													
		30	2324		2400	No Flare Patrol													
		31	0000		0058	No Flare Patrol													
0463	KANZ	31	0940	0940	0941	N09	E62	10095	09	5.0	1	SF		2	E				
0464	KHAR	31	1027E		1035U	N12	E61	10095	09	5.0	8U	SN		2	P	1027	165		O
0465	KHAR	31	1027E	1035	1102U	N04	E90	10101	09	7.2	35U	1N		2	P	1027	290		HL
0466	KHAR	31	1043	1043	1050	N05	E73		09	5.9	7	SF		2	P	1046	35		DL
0467	KHAR	31	1214	1216	1221	S15	W90	10085	08	24.7	7	SF		2	V				E
0468	KANZ	31	1309	1311	1314	S12	W39	10087	08	28.6	5	SF		2	E				
0469	RAMY	31	1330	1330	1335	N10	E60	10095	09	5.1	5	SF		3	E		16		
0470	HOLL	31	1529	1529	1533	N08	E60	10095	09	5.1	4	SF		3	E		10		F
0471		31	1614	1615	1622	N10	E60	10095	09	5.2	8	SF					13		
	RAMY	31	1614	1615	1619	N11	E61	10095	09	5.3	5	SF		3	E		13		
	KANZ	31	1614	1615	1626	N10	E60	10095	09	5.2	12	SF		2	E				
0472	HOLL	31	1623	1624	1627	N09	E60	10095	09	5.2	4	SF		3	E		18		F
0473	HOLL	31	1622	1623	1625	S14	E65	10096	09	5.6	3	SF		3	E		21		

H α SOLAR FLARES23
Aug 02

AUGUST 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)	
			31 1915		2001			No Flare Patrol											
0474	HOLL	31	1955	1955	2003D	N10	E60	10095	09	5.3	8D	SF		3	E		12		
			31 2012		2019			No Flare Patrol											
			31 2205		2346			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