Hα SOLAR FLARES

SEPTEMBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	LEAR	01	0542	0545	0555	S20	W18	9143	08	31.0	13	SF		4	E		19		F
0002	RAMY	01	1320	1321	1325	S20	W27	9143	08	30.6	5	SF		3	E		21		H
0003	HOLL	01	1810	1816	1851	N10	W60	9140	08	28.3	41	1N		3	E		155		U
		01	2242		2308	No Flare Patrol													
0004	URUM	02	0235	0304	0330	N10	E17	9149	09	3.4	55	2N			C		482	5.2	E
0005	KANZ	02	0758	0758	0800D	S28	W04	9153	09	2.0	2D	SF		2	E				
0006	KANZ	02	1435	1438	1442	N11	E03	9149	09	2.8	7	SF		2	E				
0007	MITK	03	0613	0614	0617	N26	W60		08	29.7	4	SN			C	0614	41	0.8	D
0008	HOLL	03	1331	1349	1410	S21	E26	9154	09	5.5	39	SF		3	E		25		F
0009	HOLL	03	1751	1752	1757	S10	E36	9155	09	6.4	6	SF		3	E		20		
0010	LEAR	03	2321E	2336U	2430D	S22	E19	9154	09	5.4	69D	1F		3	E		162		F
		03	2354		2400	No Flare Patrol													
		04	0000		0015	No Flare Patrol													
		04	0019		0047	No Flare Patrol													
0011		04	0107	0115	0152	S21	E18	9154	09	5.4	45	1N					143	1.6	E
	LEAR	04	0106E	0109U	0202D	S21	E17	9154	09	5.3	56D	1N		3	E		157		
	URUM	04	0107	0115	0152	S21	E18	9154	09	5.4	45	SN			C		129	1.6	E
0012	URUM	04	0313E	0313	0317	N13	W13	9149	09	3.1	4D	SF			P		32	0.3	E
0013	LEAR	04	0456E	0456U	0540D	S20	E15	9154	09	5.3	44D	SF		3	E		26		
0014		04	06492	0653	0658	S20	E17	9154	09	5.6	9	SN					70	1.6	E
	URUM	04	0649	0653	0700	S20	E17	9154	09	5.6	11	SN			C		129	1.6	E
	SVTO	04	0651	0653	0655	S20	E17	9154	09	5.6	4	SF		3	E		12		
0015	RAMY	04	1137	1137	1142	N13	W19	9149	09	3.0	5	SF		3	E		19		
0016	RAMY	04	1251	1252	1300	N14	W20	9149	09	3.0	9	SF		3	E		14		
0017	RAMY	04	1417	1419	1423	S20	E10	9154	09	5.3	6	SF		3	E		12		
0018	HOLL	04	1444	1449	1455	S18	E12	9154	09	5.5	11	SF		3	E		15		
0019		04	1454	14541	1506	N14	W21	9149	09	3.0	12	SF					27		
	HOLL	04	1454	1454	1506	N13	W21	9149	09	3.0	12	SF		3	E		30		
	RAMY	04	1454	1455	1505	N14	W21	9149	09	3.0	11	SF		3	E		24		
0020	RAMY	04	1528	1528	1531	S20	E09	9154	09	5.3	3	SF		3	E		13		
0021	RAMY	04	1635	1637	1645	N14	W22	9149	09	3.0	10	SF		3	E		28		
0022		04	16391	16471	1700	S20	E10	9154	09	5.4	21	SF					28		F
	HOLL	04	1639	1647	1704	S19	E10	9154	09	5.4	25	SF		3	E		29		
	RAMY	04	1640	1648	1656	S20	E09	9154	09	5.4	16	SF		3	E		26		F
0023		04	1747	17491	1756	N13	W22	9149	09	3.1	9	SF					48		
	HOLL	04	1747	1749	1756	N13	W22	9149	09	3.1	9	SF		3	E		46		
	RAMY	04	1747	1750	1756	N13	W22	9149	09	3.1	9	SF		3	E		50		
0024	HOLL	04	1807	1809	1816	S18	E11	9154	09	5.6	9	SF		3	E		17		
0025	HOLL	04	2017	2021	2026	S19	E08	9154	09	5.4	9	SF		3	E		18		
0026	HOLL	04	2036	2044	2053	S20	E08	9154	09	5.5	17	SF		3	E		36		
0027	HOLL	04	2130	2134	2154	S19	E07	9154	09	5.4	24	SF		3	E		81		

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0028	HOLL	04	2155	2158	2207	S19	E08	9154	09	5.5	12	SF		3	E		21		
0029	HOLL	04	2224	2226	2232	S19	E07	9154	09	5.5	8	SF		3	E		34		
0030	HOLL	04	2248	2249	2251	S19	E07	9154	09	5.5	3	SF		3	E		18		
0031		04	2319*	2408	2422	S20	E04	9154	09	5.3	63	1F					132		F
	LEAR	04	2319	2408U	2517D	S20	E03	9154	09	5.2	118D	1F		3	E		177		F
	HOLL	05	0006	0008	0022	S19	E06	9154	09	5.5	16	SF		3	E		87		
		05	0043		0149	No Flare Patrol													
		05	0202		0239	No Flare Patrol													
		05	0528		0541	No Flare Patrol													
0032	SVTO	05	0709	0710	0714	N13	W30	9149	09	3.0	5	SF		3	E		24		H
0033	LEAR	05	0829E	0829U	0835D	S22	W01	9154	09	5.3	6D	SF		3	E		19		
0034	HOLL	05	1905	1910	1926	N12	W38	9149	09	2.9	21	SF		3	E		41		
0035	HOLL	05	2124	2125	2130	S19	W04	9154	09	5.6	6	SF		3	E		18		
0036	HOLL	05	2149	2150	2155	S17	W07	9154	09	5.4	6	SF		3	E		20		F
0037	LEAR	06	0024	0025	0035	N12	W36	9149	09	3.3	11	SF		3	E		21		F
0038		06	01362	01421	0148	S18	W10	9154	09	5.3	12	1N					186	3.7	EF
	LEAR	06	0136	0143	0150	S17	W11	9154	09	5.2	14	SF		3	E		51		F
	URUM	06	0138	0142	0146	S19	W08	9154	09	5.4	8	1N			C		321	3.7	E
0039	LEAR	06	0148	0152	0217D	N13	W40	9149	09	3.0	29D	SF		3	E		31		F
0040	LEAR	06	0357	0357	0401	S22	W14	9154	09	5.1	4	SF		3	E		31		F
0041		06	13381	13411	1347	S18	W15	9154	09	5.4	9	SN					83		
	RAMY	06	1338	1342	1348	S18	W15	9154	09	5.4	10	SF		3	E		83		
	KANZ	06	1339	1341	1346	S18	W15	9154	09	5.4	7	SN		2	E				
0042	HOLL	06	1357	1357	1402	S18	W15	9154	09	5.4	5	SF		3	E		36		F
0043		06	13594	14012	1406	S18	W14	9154	09	5.5	7	SF					10		F
	KANZ	06	1359	1401	1407	S19	W14	9154	09	5.5	8	SF		2	E				
	HOLL	06	1403	1403	1406	S18	W15	9154	09	5.4	3	SF		3	E		10		F
0044		06	15127	1519	1533	S21	W18	9154	09	5.2	21	SF					28		
	KANZ	06	1512	1512U	1513D	S20	W19	9154	09	5.2	1D	SF		2	E				
	HOLL	06	1519	1519	1533	S22	W17	9154	09	5.3	14	SF		3	E		28		
0045		06	1516*	15391	1548	S22	W18	9154	09	5.2	32	SF					18		
	RAMY	06	1516	1539	1545	S20	W19	9154	09	5.2	29	SF		3	E		17		
	HOLL	06	1534	1540	1551	S23	W17	9154	09	5.3	17	SF		3	E		20		
0046	HOLL	06	2244	2245	2252	N28	E78	9158	09	13.0	8	SF		3	E		37		
		07	0144		0156	No Flare Patrol													
		07	1008		1014	No Flare Patrol													
0047		07	1058	11039	1142	N08	W43	9151	09	4.2	44	1F					97		F
	RAMY	07	1058	1103	1142	N08	W43	9151	09	4.2	44	SF		3	E		97		F
	KANZ	07	1107E	1112	1136D	N08	W43	9151	09	4.2	29D	1F		2	E				
		07	1127		1131	No Flare Patrol													
0048	RAMY	07	1149	1149	1154	N12	W36	9150	09	4.8	5	SF		3	E		27		
0049	RAMY	07	1303	1306	1331	N08	W45	9151	09	4.2	28	SF		3	E		53		FH
0050	HOLL	07	1854	1855	1902	N12	W58	9149	09	3.4	8	SF		4	E		28		
		07	1924		2002	No Flare Patrol													

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		07	2014		2033	No Flare Patrol														
0051	RAMY	07	2035	2037	2141	N06	W47	9151	09	4.3	66	SF			3	E		38		
		07	2041		2120	No Flare Patrol														
0052	HOLL	07	2121E	2122U	2126	N12	W55	9149	09	3.7	5D	SF			3	E		14		
0053	LEAR	08	0402	0403	0423	N07	W53	9151	09	4.2	21	SF			4	E		31		F
		08	0951		0956	No Flare Patrol														
		08	0958		1005	No Flare Patrol														
		08	1016		1023	No Flare Patrol														
0054	HOLL	08	1733	1733	1736	S20	W38	9154	09	5.8	3	SF			3	E		19		
0055	HOLL	08	1912	1916	1919	N09	W57	9147	09	4.5	7	SF			3	E		13		F
		08	2114		2144	No Flare Patrol														
		08	2214		2258	No Flare Patrol														
0056	MITK	09	0038	0038	0040	S10	W18		09	7.7	2	SN				C	0038	54	0.6	E
0057	LEAR	09	0519	0520	0525	S19	W52	9154	09	5.2	6	SF			3	E		26		
0058	LEAR	09	0830	0836	0921	N07	W67	9151	09	4.3	51	1N			3	E		227		F
0059	KANZ	09	0852E	0852U	0922	N07	W71	9151	09	4.0	30D	SN			2	E				
0060	KANZ	09	0921E	0924	1000	N19	W34	9152	09	6.8	39D	1F			2	E				
		09	2200		2216	No Flare Patrol														
0061	LEAR	09	2359	2406	2446	N23	E37	9158	09	12.8	47	SF			3	E		68		EU
0062	MITK	10	0653	0654	0700	N00	W26		09	8.3	7	SN				C	0654	47	0.6	D
0063		10	0732	0732	0734	S22	W67	9154	09	5.2	2	SN						32		D
	KANZ	10	0732	0732	0733	S21	W66	9154	09	5.2	1	SF			2	E				
	URUM	10	0732E	0732	0736	S22	W68	9154	09	5.1	4D	SN				P		32		D
0064	KANZ	10	1453	1454	1455	N27	E34	9158	09	13.3	2	SF			2	E				
		10	1654		1657	No Flare Patrol														
		10	1807		1811	No Flare Patrol														
		10	1910		2026	No Flare Patrol														
		10	2109		2115	No Flare Patrol														
		10	2130		2201	No Flare Patrol														
		10	2205		2304	No Flare Patrol														
0065	LEAR	11	0222	0223	0229	S18	W77	9154	09	5.2	7	SF			4	E		41		
0066	LEAR	11	0720	0722	0730	S22	W87	9154	09	4.6	10	SF			4	E		35		F
0067		11	07521	07521	0756	N06	E61	9161	09	15.9	4	SF						21		
	LEAR	11	0752	0752	0756	N05	E62	9161	09	16.0	4	SF			3	E		21		
	KANZ	11	0753	0753	0756	N06	E60	9161	09	15.8	3	SF			2	E				
0068	LEAR	11	0918	0920	0922	S19	W88	9154	09	4.7	4	SF			3	E		32		
0069	KANZ	11	0920	0924	0940	N06	E61	9161	09	15.9	20	SF			2	E				
0070	HOLL	11	1754	1810	1830	N30	E17	9158	09	13.1	36	SF			3	E		31		F
0071	LEAR	12	0538	0542	0557	N24	E07	9158	09	12.8	19	SF			3	E		26		
0072	URUM	12	0710	0722	0739	S26	W78		09	6.2	29	2B				C		257		A
0073	KANZ	12	1122	1200	1458	S19	W08	9163	09	11.9	216	2F			2	E				U

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0074	SVTO	12	1138E	1139U	1238	S17	W09	9163	09	11.8	60D	SF		3	E		36		SU
0075		12	1246	1247	1251	S17	W09	9163	09	11.8	5	1N					277		U
	RAMY	12	1240E	1240U	1315D	S17	W09	9163	09	11.8	35D	2N		1	E		527		U
	SVTO	12	1246	1247	1251	S17	W09	9163	09	11.8	5	SF		3	E		27		U
0076	KANZ	12	1438	1449	1502	S33	W30	9162	09	10.2	24	SF		2	E				
0077	URUM	13	1044E	1044	1044D	S44	W21		09	11.7	24D	SF			P		64	1.1	E
0078		14	0600	06004	0610	N12	E26	9165	09	16.2	10	SN					48	0.9	E
	LEAR	14	0600	0600	0607	N11	E27	9165	09	16.3	7	SF		4	E		15		
	URUM	14	0600	0604	0614	N13	E24	9165	09	16.1	14	SN			C		80	0.9	E
0079		14	07002	07013	0711	N12	E24	9165	09	16.1	11	SN					64	1.1	E
	LEAR	14	0700	0701	0708	N11	E23	9165	09	16.0	8	SF		4	E		31		
	URUM	14	0702	0704	0714	N12	E24	9165	09	16.1	12	SN			C		96	1.1	E
0080	URUM	14	0902	0907	0915	S34	W53	9162	09	10.1	13	SB			C		32		D
0081		14	10515	10553	1120	N11	E20	9165	09	15.9	29	SN					90	1.8	E
	URUM	14	1051	1055	1119	N11	E21	9165	09	16.0	28	SB			C		161	1.8	E
	SVTO	14	1056	1058	1114	N12	E20	9165	09	16.0	18	SF		3	E		18		
	KANZ	14	1056	1058	1127	N11	E20	9165	09	16.0	31	SF		2	E				
0082	KANZ	14	1158	1158	1203	N13	E19	9165	09	15.9	5	SF		2	E				
0083	HOLL	14	1443E	1443U	1620	N14	E17	9165	09	15.9	97D	SF		3	E		42		F
0084	HOLL	14	1443	1443	1511	S15	E82	9166	09	20.8	28	SF		3	E		92		
0085	HOLL	14	2033	2037	2051	S13	E80	9166	09	20.9	18	SF		3	E		28		
0086	HOLL	14	2111	2111	2114	S13	E80	9166	09	20.9	3	SF		3	E		15		
0087	HOLL	14	2234	2237	2242	S12	E79	9166	09	20.9	8	SF		3	E		24		
0088	HOLL	15	0005	0009	0014	S14	E79	9166	09	21.0	9	SF		3	E		22		
0089	LEAR	15	0155	0201	0203	N11	E15	9165	09	16.2	8	SF		3	E		24		
0090	LEAR	15	0233	0237	0245	S15	E75	9166	09	20.8	12	SF		3	E		34		
0091		15	0504*	0538*	0619	N14	E09	9165	09	15.9	75	1N					202	5.4	EF
	LEAR	15	0504	0604	0626	N13	E09	9165	09	15.9	82	SF		3	E		66		F
	SVTO	15	0521	0559	0624	N15	E09	9165	09	15.9	63	SF		3	E		27		F
	URUM	15	0523	0538	0606	N14	E10	9165	09	16.0	43	2B			C		514	5.4	E
0092		15	08221	08264	0846	N12	E10	9165	09	16.1	24	SF					14		
	LEAR	15	0822	0826	0849	N12	E10	9165	09	16.1	27	SF		3	E		17		
	SVTO	15	0823	0830	0842	N13	E09	9165	09	16.0	19	SF		3	E		10		
0093	URUM	15	0840E	0840	0840D	N13	E11	9165	09	16.2	19D	SB			P		48	0.5	D
0094	KANZ	15	0942	0942	0948	N14	E09	9165	09	16.1	6	SF		2	E				
0095		15	0950	09513	1034	N15	E06	9165	09	15.9	44	SF					17		F
	KANZ	15	0950	0951	1041	N15	E05	9165	09	15.8	51	SF		2	E				
	SVTO	15	0950	0954	1028	N15	E07	9165	09	15.9	38	SF		3	E		17		F
0096		15	1054	1057	1121	N12	E08	9165	09	16.0	27	SF					56		F
	RAMY	15	1054E	1056U	1125	N12	E08	9165	09	16.0	31D	SN		3	E		68		F
	KANZ	15	1054	1057	1119	N12	E08	9165	09	16.0	25	SF		2	E				
	SVTO	15	1054	1057	1120	N13	E08	9165	09	16.0	26	SF		3	E		44		F
0097	HOLL	15	1340	1341	1343	S12	E71	9166	09	20.9	3	SF		3	E		14		
0098	HOLL	15	1344	1348	1353	S12	E70	9166	09	20.8	9	SF		3	E		27		

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0099		15	14311	14344	1502	N12	E06	9165	09	16.0	31	1N					121		EF
	HOLL	15	1431	1438	1506	N12	E07	9165	09	16.1	35	1N		3	E		135		F
	SVTO	15	1432	1433U	1451D	N12	E06	9165	09	16.0	19D	1N		3	E		101		F
	RAMY	15	1432	1434	1457	N13	E04	9165	09	15.9	25	1N		3	E		128		FE
0100	HOLL	15	1507	1507	1514	N13	E03	9165	09	15.8	7	SF		3	E		13		
0101		15	1610*	17084	1732	N14	E04	9165	09	16.0	82	SF					40		F
	HOLL	15	1610	1712	1746	N14	E04	9165	09	16.0	96	SF		3	E		68		
	RAMY	15	1704	1708	1719	N14	E03	9165	09	15.9	15	SF		3	E		11		F
0102	HOLL	15	1756	1756	1808	N13	E03	9165	09	16.0	12	SF		3	E		21		F
0103	HOLL	15	1831	1832	1845	S14	E71	9166	09	21.1	14	SF		3	E		69		F
0104	HOLL	15	2045	2047	2049	S33	W71	9156	09	10.2	4	SF		3	E		32		
0105	HOLL	15	2053	2056	2130	N12	E04	9165	09	16.2	37	SF		3	E		84		F
0106	HOLL	15	2355	2355	2358	S12	E65	9166	09	20.9	3	SF		3	E		15		
0107	LEAR	16	0224	0224	0236	N15	W07	9165	09	15.6	12	SF		4	E		51		
0108	LEAR	16	0331	0345	0406	N12	W01	9165	09	16.1	35	1N		4	E		115		F
0109		16	04073	04175	0509	N14	W06	9165	09	15.7	62	2B					590	7.5	EU
	LEAR	16	0407	0417	0548	N14	W07	9165	09	15.6	101	2B		4	E		456		UE
	URUM	16	0410	0422	0430	N14	W05	9165	09	15.8	20	2B			C		723	7.5	E
0110		16	0644	06457	0702	N13	W04	9165	09	16.0	18	SF					21		F
	SVTO	16	0644	0645	0648	N14	W05	9165	09	15.9	4	SF		3	E		12		F
	LEAR	16	0644	0652	0710	N15	W06	9165	09	15.8	26	SF		4	E		30		F
	KANZ	16	0655E		0709	N11	W02	9165	09	16.1	14D	SF		2	E				
0111		16	08161	0818	0826	N07	W06	9161	09	15.9	10	SF					13		F
	KANZ	16	0816	0818	0825	N07	W06	9161	09	15.9	9	SF		2	E				
	LEAR	16	0817	0818	0827	N07	W06	9161	09	15.9	10	SF		4	E		13		F
0112		16	09016	0910	0926	N12	W04	9165	09	16.1	25	SF					22		F
	LEAR	16	0901	0910	0925	N12	W04	9165	09	16.1	24	SF		3	E		32		F
	KANZ	16	0901	0910	0931	N11	W04	9165	09	16.1	30	SF		2	E				
	SVTO	16	0907	0910	0921	N12	W04	9165	09	16.1	14	SF		3	E		11		F
0113		16	10402	10421	1048	N14	W08	9165	09	15.8	8	SF					18		F
	KANZ	16	1040	1043	1048	N14	W08	9165	09	15.8	8	SF		2	E				
	SVTO	16	1042	1042	1047	N14	W08	9165	09	15.8	5	SF		3	E		18		F
0114	KANZ	16	1117	1121	1142	N11	W06	9165	09	16.0	25	SF		2	E				
0115		16	13082	13102	1319	N14	W08	9165	09	15.9	11	SF					28		F
	RAMY	16	1308	1312	1323	N14	W08	9165	09	15.9	15	SF		3	E		39		F
	SVTO	16	1310	1310	1315	N14	W09	9165	09	15.9	5	SF		3	E		17		F
0116	RAMY	16	1326	1326	1328	N14	W10	9165	09	15.8	2	SF		3	E		16		
0117		16	14181	1428	1501	N14	W07	9165	09	16.1	43	2N					353		FU
	HOLL	16	1418	1428	1509	N13	W07	9165	09	16.1	51	2N		3	E		350		UF
	SVTO	16	1419	1428	1455	N14	W07	9165	09	16.1	36	2N		3	E		289		F
	RAMY	16	1419	1428	1500	N14	W06	9165	09	16.1	41	2N		3	E		419		UF
0118		16	1422	14225	1428	N06	W08	9161	09	16.0	6	SF					22		
	HOLL	16	1422	1422	1428	N04	W10	9161	09	15.8	6	SF		3	E		24		
	RAMY	16	1422	1427	1429	N07	W07	9161	09	16.1	7	SF		3	E		20		
0119	HOLL	16	1641	1645	1657	S12	E56	9166	09	20.9	16	SF		3	E		98		
0120	HOLL	16	1659	1703	1708	S12	E55	9166	09	20.8	9	SF		3	E		12		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0121		16	17151	17222	1733	N12	W08	9165	09	16.1	18	SF					22		F
	HOLL	16	1715	1722	1734	N12	W08	9165	09	16.1	19	SF		3	E		26		
	RAMY	16	1716	1724	1732	N12	W07	9165	09	16.2	16	SF		3	E		18		F
0122	HOLL	16	1732	1741	1815	S13	E55	9166	09	20.9	43	SF		3	E		59		
0123	HOLL	16	2015	2018	2038	N14	W14	9165	09	15.8	23	SF		3	E		58		
0124	HOLL	16	2040	2041	2053	S12	E54	9166	09	20.9	13	SF		3	E		12		
0125	HOLL	16	2137	2138	2143	N11	W11	9165	09	16.1	6	SF		3	E		29		
0126	HOLL	16	2200	2200	2221	S14	E54	9166	09	21.0	21	SF		3	E		12		
0127	HOLL	16	2215	2217	2228	N12	W09	9165	09	16.2	13	SF		3	E		74		
0128	HOLL	16	2223	2231	2253	S13	E41	9166	09	20.0	30	SF		3	E		21		
0129	HOLL	16	2253	2253	2304	N11	W10	9165	09	16.2	11	SF		3	E		43		
0130	HOLL	16	2254	2257	2300	S12	E53	9166	09	20.9	6	SF		3	E		25		
0131	HOLL	16	2300	2306	2309	S12	E53	9166	09	20.9	9	SF		3	E		11		
0132	HOLL	17	0021	0021	0024	N15	E82	9167	09	23.2	3	SF		3	E		15		
0133	HOLL	17	0024	0025	0028	S15	W58	9163	09	12.6	4	SF		3	E		16		
0134	LEAR	17	0030	0039	0100	S16	E51	9166	09	20.9	30	SF		3	E		34		
0135	LEAR	17	0041	0042	0115	N12	W12	9165	09	16.1	34	SF		3	E		68		
0136	URUM	17	0114	0122	0130	N15	W11	9165	09	16.2	16	1F			C		241	2.6	E
0137	LEAR	17	0159	0200	0214	S13	E49	9166	09	20.8	15	SF		3	E		38		
0138	URUM	17	0304E	0304	0308	N10	W13	9165	09	16.1	4D	SB			P		48	0.5	E
0139	URUM	17	0422	0426	0430	N12	W14	9165	09	16.1	8	SF			C		48	0.5	E
0140	LEAR	17	0448	0449	0504	N13	E86	9167	09	23.7	16	SF		4	E		37		
0141		17	05132	05171	0520	N12	W14	9165	09	16.2	7	SN					24	0.3	DFH
	URUM	17	0513	0517	0521	N12	W14	9165	09	16.2	8	SB			C		32	0.3	D
	LEAR	17	0515	0518	0520	N13	W15	9165	09	16.1	5	SF		4	E		15		FH
0142		17	05291	05365	0554	N14	W18	9165	09	15.9	25	SN					126	1.7	EF
	URUM	17	0529	0541	0556	N13	W17	9165	09	15.9	27	SN			C		161	1.7	E
	LEAR	17	0530	0536	0553	N14	W18	9165	09	15.9	23	SF		3	E		90		F
0143		17	06306	06371	0654	N14	E84	9167	09	23.6	24	1F					166		
	LEAR	17	0630	0638	0706	N13	E85	9167	09	23.7	36	1F		3	E		244		
	SVTO	17	0636	0637	0643	N14	E82	9167	09	23.5	7	SF		3	E		88		
0144	URUM	17	0640	0644	0704	N12	E81	9167	09	23.4	24	SF			C		32		A
0145	URUM	17	0927E	0927	0927D	N12	W17	9165	09	16.1	24D	SB			P		32	0.3	D
0146	HOLL	17	1634	1635	1647	N13	W25	9165	09	15.8	13	SF		3	E		23		
0147	HOLL	17	1714	1715	1718	S10	E40	9166	09	20.7	4	SF		3	E		21		
0148	HOLL	17	1821	1824	1841	N13	W26	9165	09	15.8	20	SF		3	E		23		
0149	HOLL	17	2058	2101	2112	N16	E75	9167	09	23.6	14	SF		3	E		46		
0150	HOLL	17	2116	2117	2141	N13	W29	9165	09	15.7	25	SF		3	E		51		
0151	HOLL	17	2119	2129	2152	S10	E39	9166	09	20.8	33	SF		3	E		55		

Hα SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP	Mo	Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0152	HOLL	17	2304	2304	2312	N12	W31	9165		09	15.6	8	SF		3		E		10		
0153	LEAR	18	0247	0249	0253	N12	E69	9167		09	23.3	6	SF		4		E		46		
0154	LEAR	18	0334	0336	0345	N15	W33	9165		09	15.6	11	SF		4		E		17		
0155	LEAR	18	0519	0530	0535	S10	E35	9166		09	20.8	16	SF		3		E		73		F
0156	LEAR	18	0700	0701	0708	N11	E68	9167		09	23.4	8	SF		3		E		19		
0157	URUM	18	0856	0904	0913	N13	W35	9165		09	15.7	17	SF				P		96	1.2	E
0158		18	0900	09013	0910	S12	E31	9166		09	20.7	10	SN						52	1.0	EF
	SVTO	18	0900	0901	0908	S12	E30	9166		09	20.6	8	SF		3		E		23		F
	URUM	18	0904E	0904	0913	S13	E32	9166		09	20.8	9D	SN				P		80	1.0	E
		18	1131		1222	No Flare Patrol															
0159	RAMY	18	1227	1230	1244	N12	E63	9167		09	23.3	17	SF		3		E		11		F
0160	HOLL	18	1342	1344	1349	N13	E64	9167		09	23.4	7	SF		3		E		11		
0161	HOLL	18	1352	1352	1356	N14	E65	9167		09	23.5	4	SF		3		E		14		
0162	HOLL	18	1444	1449	1545	S13	E31	9166		09	20.9	61	SF		3		E		34		F
0163	HOLL	18	1513	1514	1522	N11	E63	9167		09	23.4	9	SF		3		E		17		F
0164	HOLL	18	1854	1857	1915	S10	E26	9166		09	20.7	21	SF		3		E		34		F
0165	HOLL	18	2018	2107	2200	S14	E27	9166		09	20.9	102	1F		3		E		105		
0166	HOLL	18	2030	2034	2105	N15	E61	9167		09	23.5	35	SF		3		E		27		F
0167	HOLL	18	2215	2222	2242	S11	E24	9166		09	20.7	27	SF		3		E		55		F
0168	HOLL	18	2330	2332	2343	N14	E59	9167		09	23.4	13	SF		3		E		22		
0169	HOLL	18	2343	2353	2357	N14	E59	9167		09	23.4	14	SF		3		E		11		
0170		18	2348	23512	2405	N15	W37	9165		09	16.2	17	1F						104		F
	LEAR	18	2348	2351	2405	N15	W36	9165		09	16.3	17	1F		3		E		102		
	HOLL	18	2348	2353	2405	N15	W38	9165		09	16.1	17	1F		3		E		107		F
0171		18	23491	2351	2417	S14	E26	9166		09	20.9	28	1F						136		F
	LEAR	18	2349	2351	2405	S15	E26	9166		09	21.0	16	1F		3		E		151		
	HOLL	18	2350	2351	2429	S14	E25	9166		09	20.9	39	1F		3		E		120		F
0172	HOLL	19	0014	0028	0031	N14	E57	9167		09	23.3	17	SF		3		E		40		
0173	LEAR	19	0143	0144	0154	S14	E25	9166		09	21.0	11	SF		3		E		20		F
0174	LEAR	19	0158	0159	0212	N14	E65	9169		09	24.0	14	SF		3		E		99		F
0175	LEAR	19	0227	0228	0237	S15	E25	9166		09	21.0	10	SF		3		E		32		F
0176	URUM	19	0326	0330	0338	N14	E63	9167		09	23.9	12	SN				C		32	0.7	E
0177		19	0330	03322	0346	S15	E24	9166		09	21.0	16	SN						119	2.0	EF
	LEAR	19	0330	0332	0343	S15	E23	9166		09	20.9	13	SF		3		E		77		F
	URUM	19	0330	0334	0350	S15	E24	9166		09	21.0	20	SB				C		161	2.0	E
0178	LEAR	19	0409	0409	0416	S10	E21	9166		09	20.7	7	SF		3		E		14		F
0179	LEAR	19	0614	0616	0618	N09	E64	9169		09	24.1	4	SF		3		E		14		
0180	URUM	19	0646	0651	0655	S13	E24	9166		09	21.1	9	SN				C		32	0.4	D

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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 Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0181		19	06471	06511	0701	N12	E63	9169	09	24.0	14	SF						41		
	LEAR	19	0647	0651	0702	N09	E64	9169	09	24.1	15	SF			3	E		41		
	KANZ	19	0648	0652	0700	N15	E62	9169	09	24.0	12	SF			2	E				
0182	URUM	19	0727	0731	0739	S14	E22	9166	09	21.0	12	SN				C		129	1.5	E
0183	LEAR	19	0809	0812U	0930D	N14	W46	9165	09	15.9	81D	1N			3	E		130		F
0184		19	0820	0838	0931	N14	W44	9165	09	16.0	71	2N						418	6.0	E
	KANZ	19	0820E	0824U	0932	N14	W44	9165	09	16.0	72D	1F			2	E				
	URUM	19	0820	0838	0930	N14	W44	9165	09	16.0	70	2B				C		418	6.0	E
		19	1123		1131	No Flare Patrol														
		19	1237		1325	No Flare Patrol														
0185	HOLL	19	1433	1434	1449	N10	E66	9169	09	24.6	16	SF			3	E		21		
0186		19	15162	15171	1538	S10	E12	9166	09	20.5	22	1F						142		FH
	HOLL	19	1516	1517	1538	S08	E12	9166	09	20.5	22	1F			3	E		119		H
	RAMY	19	1518	1518	1546D	S12	E13	9166	09	20.6	28D	1F			3	E		164		FH
0187		19	1638*	1638*	1656	N09	E63	9169	09	24.4	18	SF						16		F
	HOLL	19	1638	1638	1656	N10	E63	9169	09	24.4	18	SF			3	E		19		F
	RAMY	19	1648	1649	1655	N08	E63	9169	09	24.4	7	SF			3	E		12		
0188	RAMY	19	1744	1744	1816	S14	E16	9166	09	20.9	32	SF			3	E		13		
0189		19	19562	2001	2008	N13	E45	9167	09	23.2	12	SF						30		
	HOLL	19	1956	2001	2008	N14	E45	9167	09	23.2	12	SF			3	E		38		
	RAMY	19	1958	2001	2009	N12	E45	9167	09	23.2	11	SF			3	E		22		
0190	HOLL	19	2043	2043	2053	S13	E14	9166	09	20.9	10	SF			3	E		15		F
0191	HOLL	19	2235	2237	2241	S12	E12	9166	09	20.8	6	SF			3	E		46		F
0192	HOLL	19	2244	2245	2309	S13	E13	9166	09	20.9	25	SF			3	E		21		F
0193	HOLL	19	2240	2241	2252	N12	W55	9165	09	15.8	12	SF			3	E		23		
0194	LEAR	20	0024	0024	0040	N13	E44	9167	09	23.3	16	SF			3	E		23		
		20	0059		0103	No Flare Patrol														
0195	LEAR	20	0346	0346	0350	S12	E08	9166	09	20.7	4	SF			3	E		17		
0196		20	05563	05591	0612	N12	W59	9165	09	15.8	16	SN						67	1.0	D
	LEAR	20	0556	0600	0618	N13	W59	9165	09	15.8	22	SF			3	E		85		
	MITK	20	0559	0559	0607	N12	W59	9165	09	15.8	8	SN				C	0559	49	1.0	D
0197		20	08011	08091	0816	N16	W55	9165	09	16.2	15	SF						35		
	LEAR	20	0801	0809	0816	N16	W55	9165	09	16.2	15	SF			3	E		35		
	KANZ	20	0802	0810	0812D	N15	W55	9165	09	16.2	10D	SF			2	E				
		20	0935		0948	No Flare Patrol														
		20	0959		1009	No Flare Patrol														
0198		20	11484	1156	1209	N06	E52	9169	09	24.4	21	SF						58		
	KANZ	20	1148	1156	1208	N08	E51	9169	09	24.3	20	SF			2	E				
	RAMY	20	1152	1156	1210	N05	E52	9169	09	24.4	18	SF			3	E		58		
0199	KANZ	20	1231	1243U	1247D	N09	E41	9169	09	23.6	16D	SF			2	E				
0200		20	14411	14411	1448	N08	E50	9169	09	24.4	7	SF						17		F
	SVTO	20	1441	1441	1447	N09	E50	9169	09	24.4	6	SF			3	E		10		F
	RAMY	20	1442	1442	1448	N06	E51	9169	09	24.4	6	SF			3	E		24		
0201	HOLL	20	1514	1521	1545	N09	E41	9169	09	23.7	31	SF			3	E		44		

Hα 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	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0202		20	18421	1843	1853	N11	E40	9169	09	23.8	11	SF					24		FH
	HOLL	20	1842	1843	1848	N13	E40	9169	09	23.8	6	SF		3	E		18		H
	RAMY	20	1843	1843	1858	N09	E39	9169	09	23.7	15	SF		3	E		29		F
0203	RAMY	20	1908	1909	1913	N10	E40	9169	09	23.8	5	SF		3	E		18		F
		20	2400		2400	No Flare Patrol													
		21	0000		0009	No Flare Patrol													
		21	0017		0024	No Flare Patrol													
0204	LEAR	21	0155E	0159U	0225D	N12	E45	9169	09	24.5	30D	SF		3	E		87		
0205		21	09161	0917	0932	N14	W70	9165	09	16.1	16	SF					20		
	LEAR	21	0916	0917U	0925D	N15	W72	9165	09	15.9	9D	SF		2	E		20		
	KANZ	21	0917	0917	0932	N14	W69	9165	09	16.2	15	SF		2	E				
0206	KANZ	21	0926	0930	0935	S12	W09	9166	09	20.7	9	SF		2	E				
0207	RAMY	21	1117	1131	1133	N08	E52	9169	09	25.4	16	SF		3	E		15		
0208	RAMY	21	1255	1255	1258	S11	W13	9166	09	20.6	3	SF		3	E		22		
		21	2122		2151	No Flare Patrol													
0209	HOLL	21	2309	2317	2328	N09	E24	9169	09	23.8	19	SF		3	E		35		
0210	HOLL	21	2337	2338	2343	N08	E28	9169	09	24.1	6	SF		3	E		32		
0211	URUM	22	0308E	0308	0308D	S04	W16		09	20.9	6D	SB			P		96	1.0	E
0212		22	0416	04166	0426	N06	E22	9169	09	23.8	10	SN					74	1.4	E
	LEAR	22	0416	0416	0426	N07	E21	9169	09	23.7	10	SF		4	E		20		
	URUM	22	0422E	0422	0426	N06	E22	9169	09	23.8	4D	SN			P		129	1.4	E
0213	LEAR	22	0434	0436	0447	N15	W87	9165	09	15.6	13	SF		4	E		29		
0214	KANZ	22	0926	0928	0931	N12	E24	9169	09	24.2	5	SF		2	E				
0215	KANZ	22	0940	0942	0952	N17	E07	9167	09	22.9	12	SF		2	E				
0216		22	0931	0940*	1017	N08	E17	9169	09	23.7	46	SF					40		F
	KANZ	22	0931	0940	0958D	N07	E17	9169	09	23.7	27D	SF		2	E				
	SVTO	22	0947E	0951	1017	N08	E17	9169	09	23.7	30D	SF		3	E		40		F
0217	RAMY	22	1255	1304	1338	N07	E23	9169	09	24.3	43	SF		3	E		91		F
0218	HOLL	22	1420	1422	1427	N07	E20	9169	09	24.1	7	SF		3	E		19		F
0219		22	16078	16114	1630	N06	E24	9169	09	24.5	23	SF					38		F
	HOLL	22	1607	1611	1635	N08	E24	9169	09	24.5	28	SF		3	E		42		F
	RAMY	22	1615	1615	1624	N05	E25	9169	09	24.5	9	SF		3	E		34		
0220	HOLL	22	1635	1636	1641	S12	W27	9166	09	20.6	6	SF		3	E		25		
0221	HOLL	22	1729	1730	1745	N08	E19	9169	09	24.1	16	SF		3	E		18		F
0222	HOLL	22	1745	1747	1753	N08	E18	9169	09	24.1	8	SF		3	E		15		F
0223	HOLL	22	1804	1805	1807	N09	E14	9169	09	23.8	3	SF		3	E		22		F
0224	HOLL	22	1838	1839	1849	N11	E13	9169	09	23.7	11	SF		3	E		17		F
0225	HOLL	22	1855	1904U	1921	N09	E23	9169	09	24.5	26	SF		3	E		46		F
		22	1857		1905	No Flare Patrol													
0226	HOLL	22	2011	2012	2014	N14	E18	9169	09	24.2	3	SF		3	E		23		
0227	HOLL	22	2044	2045	2054	N13	E26	9169	09	24.8	10	SF		3	E		15		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Opt	Imp Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0228		22	2100	2101	2113	N11	E15	9169	09	24.0	13	SF					70		FH
	HOLL	22	2100	2101	2113	N12	E15	9169	09	24.0	13	SF		3	E		74		FH
	RAMY	22	2100	2101	2131D	N10	E15	9169	09	24.0	31D	SF		3	E		65		
0229		22	21033	2107	2145	S13	W30	9166	09	20.6	42	1F					138		F
	HOLL	22	2103	2107	2145	S14	W26	9166	09	20.9	42	1F		3	E		146		F
	RAMY	22	2106	2107	2131D	S12	W33	9166	09	20.4	25D	1F		3	E		130		
0230	HOLL	22	2145	2147	2149	S12	W30	9166	09	20.6	4	SF		3	E		26		
0231	HOLL	22	2142	2142	2148	N08	E17	9169	09	24.2	6	SF		3	E		14		
0232	HOLL	22	2149	2151	2156	N14	E18	9169	09	24.3	7	SF		3	E		36		
0233	HOLL	23	0018	0020U	0048D	N09	E14	9169	09	24.1	30D	SF		3	E		51		F
		23	0108		0120	No Flare Patrol													
0234	LEAR	23	0152	0155	0230	S13	W31	9166	09	20.7	38	SF		4	E		45		F
0235	URUM	23	0158	0214	0248	S12	W31	9166	09	20.7	50	2N			P		418	5.4	E
0236		23	02149	0225*	0246	N12	E09	9169	09	23.8	32	SN					82	1.2	DF
	URUM	23	0214	0225	0241	N12	E09	9169	09	23.8	27	SB			C		113	1.2	D
	LEAR	23	0223	0236	0250	N11	E09	9169	09	23.8	27	SF		4	E		51		F
0237	URUM	23	0233	0237	0252	N09	E19	9169	09	24.5	19	SF			C		32	0.3	E
0238		23	0402	04024	0418	S10	W34	9166	09	20.6	16	SN					86	1.5	E
	LEAR	23	0402	0402	0418	S10	W34	9166	09	20.6	16	SF		3	E		58		
	URUM	23	0402	0406	0418	S11	W34	9166	09	20.6	16	SN			C		113	1.5	E
0239		23	04226	04265	0434	N08	E10	9169	09	23.9	12	SF					48	0.8	E
	URUM	23	0422	0426	0434	N06	E13	9169	09	24.1	12	SF			C		80	0.8	E
	LEAR	23	0428	0431	0434	N11	E08	9169	09	23.8	6	SF		3	E		16		
0240		23	04531	04553	0517	N12	E06	9169	09	23.6	24	SN					66	0.8	EF
	LEAR	23	0453	0455	0515	N11	E06	9169	09	23.6	22	SF		3	E		53		F
	URUM	23	0454	0458	0519	N12	E06	9169	09	23.6	25	SB			C		80	0.8	E
0241		23	05511	05524	0604	N17	W04	9167	09	22.9	13	SF					59	1.4	EF
	LEAR	23	0551	0556	0605	N17	W04	9167	09	22.9	14	SF		3	E		39		F
	SVTO	23	0552	0552	0604	N17	W04	9167	09	22.9	12	SF		3	E		10		F
	URUM	23	0552	0556	0604	N17	W04	9167	09	22.9	12	SN			C		129	1.4	E
0242	LEAR	23	0606	0611	0624	N12	E06	9169	09	23.7	18	SF		3	E		22		
0243		23	0628	06302	0637	N12	E06	9169	09	23.7	9	SN					31	0.3	D
	LEAR	23	0628	0630	0637	N11	E06	9169	09	23.7	9	SF		3	E		30		
	URUM	23	0632E	0632	0632D	N12	E07	9169	09	23.8	9D	SN			P		32	0.3	D
0244		23	07028	07181	0734	N06	E11	9169	09	24.1	32	SF					52		FH
	KANZ	23	0702	0718	0733	N06	E10	9169	09	24.0	31	SF		2	E				
	LEAR	23	0706	0718	0738	N05	E11	9169	09	24.1	32	SF		3	E		68		FH
	SVTO	23	0710	0719	0731	N06	E11	9169	09	24.1	21	SF		3	E		37		FH
0245	KANZ	23	0722	0722	0805	N11	E05	9169	09	23.7	43	SF		2	E				
0246	KANZ	23	0813	0814	0824D	S10	W35	9166	09	20.7	11D	SF		2	E				
0247	KANZ	23	0816	0816	0824D	N07	E13	9169	09	24.3	8D	SF		2	E				
0248	KHAR	23	0903U	0915	0925	S07	E90	9173	09	30.1	22U	SF		2	P	0907	40		DH
0249	RAMY	23	1145	1146	1150	N12	E08	9169	09	24.1	5	SF		3	E		25		
0250	KANZ	23	1349E	1350	1409	N19	W08	9167	09	23.0	20D	SF		2	E				
0251	RAMY	23	1539	1541	1543	N09	E03	9169	09	23.9	4	SF		3	E		16		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Opt	Imp Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		23	1626		1716	No Flare Patrol													
		23	1756		2036	No Flare Patrol													
0252	HOLL	23	2039	2039	2049	S14	W44	9166	09	20.5	10	SF		3	E		11		
		23	2140		2143	No Flare Patrol													
0253	RAMY	23	2158E	2158U	2202D	N09	E02	9169	09	24.1	4D	1F		3	E		138		F
0254	HOLL	23	2227	2228U	2308D	N09	E01	9169	09	24.0	41D	SF		3	E		18		F
		23	2230		2256	No Flare Patrol													
0255		23	2307	2309U	2334	S12	W44	9166	09	20.6	27	1F					109		F
	HOLL	23	2259E	2309U	2337D	S13	W44	9166	09	20.6	38D	1F		3	E		123		F
	LEAR	23	2307	2309U	2334	S11	W45	9166	09	20.6	27	SF		3	E		95		F
0256	LEAR	24	0255	0258	0307	S18	W43	9166	09	20.8	12	SF		3	E		15		F
0257	LEAR	24	0311	0337	0423	S15	W45	9166	09	20.7	72	2N		3	E		267		EF
0258	LEAR	24	0652	0703	0728	S11	W50	9166	09	20.5	36	SF		3	E		38		F
0259	LEAR	24	0721	0721	0726	N13	E05	9169	09	24.7	5	SF		3	E		20		
0260		24	09003	09033	0918	S11	W50	9166	09	20.6	18	SF					26		DO
	KHAR	24	0900	0906	0915	S13	W49	9166	09	20.7	15	SF		2	P	0915	35		OD
	LEAR	24	0903	0903	0922	S09	W50	9166	09	20.6	19	SF		3	E		18		
0261	KHAR	24	0918		0926	S13	W12	9170	09	23.5	8	SF		2	P				DL
0262	KHAR	24	0948	0951	1001	S13	W10	9170	09	23.6	13	SN		2	P	0957	54		L
0263	KHAR	24	1005	1006	1015	S07	E82	9173	09	30.6	10	SF		2	V				D
0264		24	1127	1129	1145	S10	W50	9166	09	20.7	18	SF					21		DF
	KHAR	24	1127		1132D	S13	W50	9166	09	20.7	5D	SF		2	V				D
	RAMY	24	1127	1129	1145	S08	W51	9166	09	20.6	18	SF		3	E		21		F
0265		24	1158*	1321	1333	S09	W52	9166	09	20.6	95	SF					32		
	RAMY	24	1158	1321	1341	S08	W53	9166	09	20.5	103	SF		3	E		54		
	SVTO	24	1321	1321	1325	S10	W51	9166	09	20.7	4	SF		3	E		11		
0266	RAMY	24	1240	1242	1245	N14	W09	9169	09	23.8	5	SF		3	E		13		
0267	RAMY	24	1315	1316	1324	N11	W11	9169	09	23.7	9	SF		3	E		14		F
0268		24	1405	14051	1426	S12	W53	9166	09	20.6	21	SF					38		F
	RAMY	24	1405	1405	1430	S10	W53	9166	09	20.6	25	SF		3	E		42		F
	HOLL	24	1405	1406	1423	S14	W53	9166	09	20.6	18	SF		3	E		35		F
0269	HOLL	24	1517	1518	1524	S13	W51	9166	09	20.8	7	SF		3	E		14		
0270		24	1517*	15321	1545	S10	W52	9166	09	20.7	28	SF					14		F
	RAMY	24	1517	1532	1547	S09	W52	9166	09	20.7	30	SF		3	E		12		F
	HOLL	24	1533	1533	1543	S12	W51	9166	09	20.8	10	SF		3	E		15		F
0271	HOLL	24	1623	1624	1633	N16	W04	9169	09	24.4	10	SF		3	E		15		F
0272	HOLL	24	1626	1627	1631	S12	W51	9166	09	20.8	5	SF		3	E		17		
0273	HOLL	24	1732	1734	1739	S11	W53	9166	09	20.7	7	SF		3	E		23		
0274	HOLL	24	2141	2141	2149	S14	W55	9166	09	20.7	8	SF		3	E		10		F
0275		24	22571	23056	2326	S13	W56	9166	09	20.7	29	SF					27		F
	HOLL	24	2257	2305	2323	S15	W56	9166	09	20.7	26	SF		3	E		27		F
	LEAR	24	2258	2311	2330	S11	W56	9166	09	20.7	32	SF		3	E		27		F

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0276		25	0016	0017	0024	N13	W16	9169	09	23.8	8	SF						45		F
	HOLL	25	0016	0017	0023	N13	W17	9169	09	23.7	7	SF			3	E		41		
	LEAR	25	0016	0017	0024	N13	W16	9169	09	23.8	8	SF			3	E		49		F
0277		25	00452	00496	0117	S13	W60	9166	09	20.5	32	1N						238	5.8	EF
	LEAR	25	0045	0055	0121	S11	W59	9166	09	20.6	36	1N			3	E		176		FE
	MITK	25	0047	0049	0109	S13	W58	9166	09	20.6	22	2N				C	0049	280	5.8	E
	URUM	25	0050E	0050	0121	S14	W62	9166	09	20.3	31D	1B				P		257		E
0278		25	0207	02118	0242	N10	W20	9169	09	23.6	35	2B						431	4.8	ET
	URUM	25	0207	0211	0238	N10	W20	9169	09	23.6	31	2B				C		563	6.2	E
	MITK	25	0207	0219	0246	N10	W20	9169	09	23.6	39	1B				C	0219	299	3.3	T
0279	URUM	25	0815E	0815	0834	N17	W12	9169	09	24.4	19D	SN				P		32	0.3	D
0280	KHAR	25	0923U		0935D	S14	W62	9166	09	20.7	12U	SF			2	V				D
0281	KANZ	25	1128	1132	1139	N15	W13	9169	09	24.5	11	SF			2	E				
0282	SVTO	25	1223	1223U	1250D	N17	W15	9169	09	24.4	27D	SF			3	E		16		
0283	KANZ	25	1241E	1241U	1305	N16	W14	9169	09	24.5	24D	SF			2	E				
0284	HOLL	25	1339	1341	1351	S13	W63	9166	09	20.8	12	SF			3	E		37		
0285	HOLL	25	1423	1426	1430	S10	E73	9173	10	1.1	7	SF			4	E		22		
0286	HOLL	25	2320	2320	2326	N10	W23	9169	09	24.2	6	SF			3	E		14		F
0287	KANZ	26	0654	0654	0701	N07	W31	9169	09	24.0	7	SF			2	E				
0288	KHAR	26	1034	1036	1045	S18	W71	9166	09	21.0	11	SF			2	P	1037	50		D
0289	KHAR	26	1107	1108	1120	N05	W33	9169	09	24.0	13	SN			2	P	1108	35		D
0290	KANZ	26	1222	1224	1228	N05	W35	9169	09	23.9	6	SF			2	E				
0291		26	1230	1232	1242	S14	E60	9173	10	1.0	12	SF						24		
	KANZ	26	1230	1232	1242	S14	E60	9173	10	1.0	12	SF			2	E				
	SVTO	26	1232E	1233U	1240D	S15	E59	9173	10	1.0	8D	SF			3	E		24		
0292	HOLL	26	1339	1342	1348	S07	W27	9170	09	24.5	9	SF			3	E		22		
0293	HOLL	26	1348	1354	1400	S07	W26	9170	09	24.6	12	SF			3	E		10		F
0294	HOLL	26	2106	2110	2116	S08	E89	9176	10	3.5	10	SF			3	E		46		
0295	HOLL	26	2116	2122	2129	S09	E89	9176	10	3.6	13	SF			3	E		88		
0296	HOLL	26	2142	2147	2205	S13	E57	9173	10	1.2	23	SF			3	E		54		F
0297	HOLL	26	2248	2249	2254	S08	E89	9176	10	3.6	6	SF			3	E		30		
0298	HOLL	26	2307	2308	2311	N15	W34	9169	09	24.4	4	SF			3	E		13		F
0299		26	23511	2353	2357	N24	E68	9175	10	2.2	6	SF						32		
	LEAR	26	2351	2353	2358	N22	E68	9175	10	2.2	7	SF			3	E		29		
	HOLL	26	2352	2353	2356	N25	E69	9175	10	2.3	4	SF			3	E		35		
0300	HOLL	27	0015	0016	0031	S13	E53	9173	10	1.0	16	SF			3	E		16		
0301		27	0117	0119*	0148	N16	W52	9167	09	23.1	31	1N						183	5.5	EFU
	LEAR	27	0117	0119	0154	N17	W52	9167	09	23.1	37	SF			3	E		45		UF
	URUM	27	0120E	0132	0143	N16	W53	9167	09	23.0	23D	2B				P		321	5.5	E
0302	LEAR	27	0137	0138	0200	N11	W46	9169	09	23.6	23	SF			3	E		70		F
0303		27	0307	03103	0328	N18	W58	9167	09	22.7	21	1B						120	2.6	EH
	LEAR	27	0307	0310	0331	N18	W56	9167	09	22.9	24	1N			3	E		110		EH
	URUM	27	0313E	0313	0324	N17	W60	9167	09	22.6	11D	1B				P		129	2.6	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0304	LEAR	27	0311	0312	0317	S09	E83	9176	10	3.4	6	SF		3	E		21		
0305	LEAR	27	0332	0332	0339	S13	E49	9173	09	30.8	7	SF		3	E		15		
0306		27	0446	04495	0457	S09	W38	9170	09	24.3	11	SN					22	0.2	D
	LEAR	27	0446	0449	0455	S08	W37	9170	09	24.4	9	SF		3	E		27		
	URUM	27	0446	0454	0459	S10	W38	9170	09	24.3	13	SN			C		16	0.2	D
0307	KHAR	27	0944	0946	0956	S03	E78	9176	10	3.2	12	SF		2	P				O
0308	KHAR	27	0947	0948	0957	N07	W40	9169	09	24.4	10	SF		2	P	0953	35		DH
0309	KANZ	27	1334	1334	1337	N07	W47	9169	09	24.0	3	SF		2	E				
0310	HOLL	27	1350	1353	1406	S07	E77	9176	10	3.3	16	SF		3	E		38		
0311		27	14141	14153	1426	N08	W46	9169	09	24.1	12	SF					39		F
	KANZ	27	1414	1418	1427	N06	W46	9169	09	24.1	13	SF		2	E				
	HOLL	27	1415	1415	1424	N10	W45	9169	09	24.2	9	SF		3	E		39		F
0312		27	1429	1430	1436	N08	W47	9169	09	24.1	7	SF					13		
	KANZ	27	1429	1430	1436	N08	W47	9169	09	24.1	7	SF		2	E				
	HOLL	27	1429	1430	1437	N07	W47	9169	09	24.1	8	SF		3	E		13		
0313	HOLL	27	1416	1421	1428	S07	E78	9176	10	3.4	12	SF		3	E		14		
0314	HOLL	27	1428	1435	1439	S08	E77	9176	10	3.4	11	SF		3	E		11		
0315	HOLL	27	1508	1508	1512	S08	E78	9176	10	3.5	4	SF		3	E		19		
0316		27	1514	1515	1522	N12	W44	9169	09	24.3	8	SF					32		F
	SVTO	27	1514	1515	1520	N10	W45	9169	09	24.2	6	SF		3	E		16		F
	HOLL	27	1514	1515	1525	N14	W44	9169	09	24.3	11	SF		3	E		49		F
0317	HOLL	27	1553	1558	1602	S11	E45	9173	10	1.0	9	SF		3	E		18		
0318	HOLL	27	1557	1557	1602	N07	W48	9169	09	24.1	5	SF		3	E		11		F
0319	HOLL	27	1917	1918	1923	N07	W50	9169	09	24.0	6	SF		3	E		32		
0320	HOLL	27	2137	2138	2143	S14	E44	9173	10	1.2	6	SF		3	E		10		
0321		27	22571	22582	2308	S14	E42	9173	10	1.1	11	SF					22		F
	LEAR	27	2257	2300	2310	S16	E41	9173	10	1.1	13	SF		3	E		30		F
	HOLL	27	2258	2258	2307	S12	E42	9173	10	1.1	9	SF		3	E		13		F
0322		27	2348	2350	2425	S13	E37	9173	09	30.8	37	SF					25		F
	HOLL	27	2348	2348U	2436D	S12	E38	9173	09	30.8	48D	SF		3	E		16		
	LEAR	27	2348	2350	2425	S14	E36	9173	09	30.7	37	SF		3	E		34		F
0323	URUM	28	0117	0121	0141	N08	W64	9167	09	23.2	24	SN			C		16	0.4	D
0324		28	03352	03365	0342	N11	W58	9169	09	23.8	7	SN					44	1.0	DH
	LEAR	28	0335	0336	0345	N12	W56	9169	09	23.9	10	SF		3	E		33		H
	MITK	28	0337	0337	0338	N11	W57	9169	09	23.9	1	SN			C	0337	20	0.4	D
	URUM	28	0337	0341	0344	N11	W60	9169	09	23.6	7	SB			C		80	1.6	D
0325	URUM	28	0344	0348	0404	N14	W52	9169	09	24.2	20	1N			C		129	2.1	E
0326	KHAR	28	0852	0903	0912	S10	W51	9170A	09	24.5	20	SF		2	P	0857	45		DLO
0327	KHAR	28	1001	1003	1015	S09	W54	9170A	09	24.4	14	SN		2	V				D
0328	KHAR	28	1018	1021	1027	S13	E03	9171	09	28.6	9	SF		2	P	1025	40		E
		28	1550		1556	No Flare Patrol													
		28	1656		1709	No Flare Patrol													
0329	HOLL	28	2018	2024	2027	S04	E54	9176	10	2.9	9	SF		3	E		12		F

SEPTEMBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0330	HOLL	28	2018	2022	2037	S10	E30	9173	10	1.1	19	SF		3	E		20		F
0331	HOLL	28	2041	2044	2110	S11	E23	9173	09	30.6	29	SF		3	E		84		EF
0332	HOLL	28	2148	2154	2209	N12	E21	9172	09	30.5	21	SF		3	E		32		F
0333	LEAR	28	2250E	2252U	2341D	S13	E25	9173	09	30.8	51D	1F		3	E		110		F
0334	LEAR	29	0032	0035	0105	S12	E23	9173	09	30.7	33	SF		3	E		55		
0335	URUM	29	0220	0224	0228	S13	E24	9173	09	30.9	8	SF			C		16	0.2	D
0336	LEAR	29	0308	0319	0337	S23	E62	9178	10	3.9	29	SF		3	E		78		
0337	URUM	29	0315	0323	0338	S21	E69	9178	10	4.4	23	SF			C		32		E
0338		29	06535	0656*	0713	S13	E18	9173	09	30.6	20	1F					84	1.1	EF
	LEAR	29	0653	0657	0715	S13	E18	9173	09	30.6	22	1F		3	E		104		F
	KANZ	29	0653	0657	0718	S12	E18	9173	09	30.6	25	1F		2	E				
	SVTO	29	0654	0656	0707	S13	E19	9173	09	30.7	13	SF		3	E		53		F
	URUM	29	0658	0706	0710D	S14	E19	9173	09	30.7	12D	SN			P		96	1.1	E
0339	URUM	29	0859	0904	0923	S14	E22	9173	10	1.0	24	SF			C		16	0.2	D
0340		29	10124	1014	1025	S06	E48	9176	10	3.0	13	SF					22		H
	KANZ	29	1012	1014	1025	S06	E47	9176	10	2.9	13	SF		2	E				
	SVTO	29	1016	1016U	1021D	S07	E50	9176	10	3.2	5D	SF		3	E		22		H
0341	KANZ	29	1312	1312	1321D	S06	E45	9176	10	2.9	9D	SF		2	E				
0342	HOLL	29	1450	1451	1456	S12	E17	9173	09	30.9	6	SF		3	E		17		
0343		29	1642	1644	1652	S12	E15	9173	09	30.8	10	SF					24		
	HOLL	29	1642	1644	1652	S12	E15	9173	09	30.8	10	SF		3	E		26		
	RAMY	29	1643E	1643U	1651D	S13	E15	9173	09	30.8	8D	SF		3	E		23		
0344	HOLL	29	1753	1757	1802	S22	E56	9178	10	4.0	9	SF		3	E		11		
0345	HOLL	29	2049	2049	2055	S11	E13	9173	09	30.8	6	SF		3	E		36		
0346	LEAR	29	2359	2404	2416	N11	W78	9169	09	24.1	17	1F		3	E		112		
0347	HOLL	29	2359		2411	N04	W90	9169	09	23.3	12	SF		3	E		95		
0348	LEAR	30	0317	0317	0325	S13	E10	9173	09	30.9	8	SF		3	E		14		F
0349	LEAR	30	0554	0554	0602	S23	E49	9178	10	4.0	8	SF		3	E		13		
0350		30	0825	0829	0849	S19	E46	9178	10	3.9	24	SF					63		E
	LEAR	30	0825	0829	0843	S21	E45	9178	10	3.8	18	SF		3	E		71		
	KHAR	30	0838E		0855	S17	E47	9178	10	3.9	17D	SF		2	P	0850	55		E
0351	KHAR	30	0853U	0856	0901	N04	W90	9169	09	23.6	8U	SF		2	V				DH
0352		30	0858	08591	0906	S12	E08	9173	10	1.0	8	SN					30		DE
	LEAR	30	0858	0859	0904	S13	E07	9173	09	30.9	6	SF		3	E		19		E
	KHAR	30	0858	0900	0907	S11	E09	9173	10	1.0	9	SN		2	P	0905	40		D
0353	KHAR	30	0913	0914	0927	S19	E48	9178	10	4.0	14	SF		2	P	0922	64		EL
0354	SVTO	30	0957E	1006U	1012D	S24	E50	9178	10	4.3	15D	SF		2	E		40		F
0355	KHAR	30	0958	1000	1020	S17	E47	9178	10	4.0	22	1N		2	P				EO
0356	KHAR	30	1023	1025	1032	S04	E33	9176	10	2.9	9	SN		2	V				DL
0357		30	1055*	1056*	1112	S12	E10	9173	10	1.2	17	SF							DL
	KHAR	30	1055	1056	1110	S12	E11	9173	10	1.3	15	SF		2	V				LD
	KHAR	30	1111	1112	1115	S11	E09	9173	10	1.1	4	SF		2	V				D

Hα S O L A R F L A R E S

SEPTEMBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0358	KHAR	30	1133		1140D	S17	E47	9178	10	4.0	7D	SF			2	V				ET
0359	RAMY	30	1300	1302	1307	S24	E42	9178	10	3.8	7	SF			3	E		25		
		30	1311		1316	No Flare Patrol														
0360		30	15441	15482	1554	S07	E32	9176	10	3.0	10	SF						30		F
	HOLL	30	1544	1548	1556	S05	E33	9176	10	3.1	12	SF			4	E		40		F
	RAMY	30	1545	1550	1552	S09	E31	9176	10	3.0	7	SF			3	E		20		F
0361	HOLL	30	1623	1625	1627	S20	E43	9178	10	4.0	4	SF			4	E		21		
0362	HOLL	30	1624	1625	1644	S08	E39	9176	10	3.6	20	SF			4	E		50		H
0363	HOLL	30	1740	1742	1745	S20	E42	9178	10	3.9	5	SF			4	E		18		FH
0364	HOLL	30	1758	1800	1805	S20	E40	9178	10	3.8	7	SF			3	E		29		
0365	HOLL	30	1800	1801	1805	S12	E07	9173	10	1.3	5	SF			3	E		12		
0366	HOLL	30	1811	1814	1818	S20	E41	9178	10	3.9	7	SF			3	E		14		F
0367	HOLL	30	1931	1941	2013	S20	E41	9178	10	3.9	42	SF			3	E		53		
0368	HOLL	30	1950	1950	1955	N10	W90	9169	09	24.1	5	SF			3	E		54		
0369	HOLL	30	2048	2049	2054	S19	E38	9178	10	3.8	6	SF			3	E		26		
0370	HOLL	30	2103	2107	2115	S20	E39	9178	10	3.9	12	SF			3	E		55		F
0371	HOLL	30	2120	2120	2124	S22	E40	9178	10	4.0	4	SF			3	E		11		F
0372	HOLL	30	2324	2326	2329	N07	W91	9169	09	24.1	5	SF			3	E		49		

"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