Hα SOLAR FLARES

FEBRUARY 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	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		01	0553		0734	No Flare Patrol													
		01	1904		2304	No Flare Patrol													
0001	LEAR	01	2337	2338	2344	S08	E01	8848	02	2.0	7	SF	3	E			37		
		02	0021		0034	No Flare Patrol													
		02	0738		0804	No Flare Patrol													
0002	KANZ	02	0945	0945	0949	S13	E46	8860	02	5.9	4	SF	2	C					
		02	1052		1123	No Flare Patrol													
		02	1225		1242	No Flare Patrol													
		03	0027		0037	No Flare Patrol													
		03	0058		0213	No Flare Patrol													
0003	LEAR	03	0716	0717	0723	S08	W17	8848	02	2.0	7	SF	3	E			13		
0004	KANZ	03	1027	1031	1035	S08	W23	8848	02	1.7	8	SF	2	C					
		03	1100		1106	No Flare Patrol													
		03	1108		1120	No Flare Patrol													
		03	1134		1144	No Flare Patrol													
		03	1150		1156	No Flare Patrol													
0005	KANZ	03	1205	1205	1213	S08	W23	8848	02	1.8	8	SF	2	C					
0006	KANZ	03	1505	1505	1509	N24	E76	8858	02	9.5	4	SF	2	C					
0007	HOLL	03	2008	2010	2015	S36	E66	8854	02	9.1	7	SF	3	E			16		
0008		04	0010	0011	0029	N26	W08	8851	02	3.4	19	SF					25		F
	HOLL	04	0010	0011	0028D	N27	W09	8851	02	3.3	18D	SF	2	E			28		
	LEAR	04	0020E	0021U	0029	N26	W08	8851	02	3.4	9D	SF	2	E			22		F
0009	LEAR	04	0350	0351	0358	N25	W12	8851	02	3.2	8	SF	3	E			42		
0010	LEAR	04	0426	0428	0435	N20	W11	8851	02	3.3	9	SF	3	E			27		
0011	LEAR	04	0640	0642	0644	N25	E68	8858	02	9.5	4	SF	3	E			26		
0012	KANZ	04	0906	0906	0910	S37	E57	8854	02	9.0	4	SF	2	C					
0013		04	09162	0922	0937	N25	E74	8858	02	10.1	21	SF					44		
	LEAR	04	0916	0922	0937	N25	E71	8858	02	9.9	21	SF	3	E			44		
	KANZ	04	0918	0922	0938D	N25	E76	8858	02	10.3	20D	SF	2	C					
0014	LEAR	04	0939	0943	0948	N23	E65	8858	02	9.4	9	SF	3	E			37		
0015	KANZ	04	1515		1515D	N24	E72	8858	02	10.2	9D	SF	2	C					
0016	HOLL	04	1759	1800	1806	N25	E71	8858	02	10.2	7	SF	3	E			38		
0017	HOLL	04	1926	1935	2028	N24	E57	8858	02	9.2	62	1F	3	E			142		F
0018	HOLL	04	2115	2116	2120	N25	E65	8858	02	9.9	5	SF	3	E			41		
0019	HOLL	04	2233	2235	2244	N26	E68	8858	02	10.2	11	SF	3	E			24		
0020		04	2308	23096	2322	N27	W22	8851	02	3.2	14	SF					20		F
	HOLL	04	2308	2309	2320	N27	W22	8851	02	3.2	12	SF	3	E			21		F
	LEAR	04	2309E	2315	2323	N27	W22	8851	02	3.2	14D	SF	2	E			20		F
0021	LEAR	05	0346E	0351	0358	N23	E59	8858	02	9.7	12D	SF	3	E			19		
0022	LEAR	05	0432	0433	0438	N23	E59	8858	02	9.7	6	SF	3	E			20		
0023	LEAR	05	0441	0442	0445	N23	E59	8858	02	9.7	4	SF	3	E			17		
0024	LEAR	05	0513	0513	0517	N23	E59	8858	02	9.8	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	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
0025	LEAR	05	0522	0522	0527	N23	E59	8858	02	9.8	5	SF		3	E		14		
0026	LEAR	05	0810	0812	0815	N23	E57	8858	02	9.7	5	SF		3	E		26		
0027	LEAR	05	0827	0843U	0846D	N23	E57	8858	02	9.7	19D	SF		3	E		56		
0028	KANZ	05	0830E	0830U	0850	N25	E65	8858	02	10.4	20D	SF		2	C				
0029		05	08506	08542	0902	N26	E63	8858	02	10.3	12	SF					44		F
	KANZ	05	0850	0854	0906	N25	E63	8858	02	10.2	16	SF		2	C				
	LEAR	05	0852	0856	0901	N23	E57	8858	02	9.8	9	SF		3	E		64		
	SVTO	05	0856	0856	0900	N30	E68	8858	02	10.7	4	SF		3	E		24		F
0030	HOLL	05	1816	1820	1825	N27	W32	8851	02	3.3	9	SF		3	E		23		
0031		05	1920	1928	2019	N26	E52	8858	02	9.8	59	3B					616		FU
	RAMY	05	1920	1927U	1931D	N25	E52	8858	02	9.8	11D	2B		3	E		576		UF
	HOLL	05	1920	1928	2019	N26	E52	8858	02	9.8	59	3B		3	E		657		F
0032	HOLL	05	2036	2037	2049	N25	E60	8858	02	10.5	13	SF		3	E		29		
0033	HOLL	05	2036	2039	2049	N27	W32	8851	02	3.4	13	SF		3	E		31		
0034	HOLL	05	2216	2217	2222	N27	W34	8851	02	3.3	6	SF		3	E		25		
0035	HOLL	05	2318	2320	2324	N25	E51	8858	02	9.9	6	SF		3	E		56		
0036		05	2346	2347	2355	N24	E50	8858	02	9.8	9	SF					39		
	LEAR	05	2334E	2334U	2413D	N25	E51	8858	02	9.9	39D	SF		2	E		27		
	HOLL	05	2346	2347	2355	N23	E50	8858	02	9.8	9	SF		3	E		51		
0037	LEAR	06	0034	0038	0048	N20	W35	8851	02	3.3	14	SF		3	E		26		
		06	0051		0126	No Flare Patrol													
0038	LEAR	06	0217	0220	0242	N24	E57	8858	02	10.5	25	SF		3	E		29		
0039	SVTO	06	0717	0717	0723	N25	E49	8858	02	10.1	6	SF		3	E		24		
0040	KANZ	06	1003	1003	1019	S39	E36	8854	02	9.3	16	SF		2	C				
0041		06	1159	1207	1232	N20	E00	8855	02	6.5	33	SF					60		
	KANZ	06	1159	1207	1235	N20	E00	8855	02	6.5	36	SF		2	C				
	RAMY	06	1205E	1206U	1230	N19	E00	8855	02	6.5	25D	SF		3	E		60		
		06	1538		1602	No Flare Patrol													
0042	HOLL	06	1641	1648	1713	N20	W45	8851	02	3.2	32	SF		3	E		38		
0043	HOLL	06	1655	1655	1702	N06	W24	8861	02	4.9	7	SF		3	E		15		
0044	HOLL	06	1657	1657	1706	S19	W32	8857	02	4.3	9	SF		3	E		10		
0045	HOLL	06	1715	1720	1729	N20	W46	8851	02	3.2	14	SF		3	E		24		
0046		06	1851	18511	1904	N20	W46	8851	02	3.3	13	SF					18		
	RAMY	06	1851	1851	1902	N19	W45	8851	02	3.3	11	SF		3	E		12		
	HOLL	06	1851	1852	1907	N20	W46	8851	02	3.3	16	SF		3	E		23		
0047	HOLL	06	2001	2001	2007	N07	W25	8861	02	5.0	6	SF		3	E		16		
0048	HOLL	06	2103	2108	2112	N07	W28	8861	02	4.8	9	SF		3	E		33		
0049	HOLL	06	2123	2131	2152	S19	W34	8857	02	4.3	29	SF		3	E		32		F
0050	HOLL	06	2159	2204	2208	N06	W29	8861	02	4.7	9	SF		3	E		24		
0051	LEAR	06	2312	2341	2354D	N27	W48	8851	02	3.2	42D	SF		3	E		30		

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0052	LEAR	06	2316	2321	2326	N06	W27	8861	02	4.9	10	SF		3	E		14		
0053	LEAR	07	0133	0136	0140	N25	E37	8858	02	9.9	7	SF		3	E		20		
0054	URUM	07	0344	0348	0351	N03	W30	8861	02	4.9	7	SN			C		161	1.9	E
0055		07	04167	0420*	0459	N24	E38	8858	02	10.1	43	SN					62	1.5	EF
	LEAR	07	0416	0420	0459	N25	E35	8858	02	9.9	43	SF		4	E		29		F
	URUM	07	0423	0438	0438D	N23	E41	8858	02	10.3	15D	SN			P		96	1.5	E
0056	LEAR	07	0633	0635	0639	N27	E36	8858	02	10.1	6	SF		4	E		26		
0057	LEAR	07	0942	0950	0957	N27	W54	8851	02	3.2	15	SF		3	E		22		
0058	HOLL	07	1534	1542	1551	N05	W38	8861	02	4.8	17	SF		3	E		20		
0059	HOLL	07	1552	1554	1556	N06	W37	8861	02	4.9	4	SF		3	E		13		
0060	HOLL	07	1633	1637	1728	N06	W38	8861	02	4.8	55	SF		3	E		67		F
0061	HOLL	07	1719	1729	1745	N20	W58	8851	02	3.3	26	SF		3	E		23		F
0062	HOLL	07	1814	1831	1842	N07	W39	8861	02	4.8	28	SF		3	E		51		F
0063	HOLL	07	2302	2302	2310	N20	W62	8851	02	3.2	8	SF		3	E		10		
0064	LEAR	07	2309	2309	2319	N27	W61	8851	02	3.2	10	SF		3	E		11		
0065	LEAR	07	2314	2317	2320	N25	E25	8858	02	9.9	6	SF		3	E		97		
0066	LEAR	07	2315	2315	2317	N07	W40	8861	02	5.0	2	SF		3	E		64		
0067		07	23204	23291	2354	N06	W40	8861	02	5.0	34	1F					122		
	LEAR	07	2320	2330	2408	N07	W40	8861	02	5.0	48	1F		3	E		144		
	HOLL	07	2324	2329	2340	N06	W41	8861	02	4.9	16	1F		3	E		101		
0068	LEAR	07	2315	2316	2318	S34	E12	8854	02	8.9	3	SF		3	E		24		
0069	LEAR	07	2320	2321U	2325	S34	E12	8854	02	8.9	5	SF		3	E		23		
0070	LEAR	07	2325	2326	2328	S34	E12	8854	02	8.9	3	SF		3	E		50		
0071	LEAR	07	2324	2327	2328	S15	E22	8856	02	9.6	4	SF		3	E		36		
0072	LEAR	08	0045	0047	0101	N07	W41	8861	02	5.0	16	SF		3	E		38		
0073	LEAR	08	0122	0126	0141	N25	E24	8858	02	9.9	19	SF		3	E		32		
0074		08	0145*	0203	0214	N06	W42	8861	02	4.9	29	SN					46	0.4	D
	LEAR	08	0145	0203	0223	N07	W41	8861	02	5.0	38	SF		4	E		86		
	MITK	08	0203	0203	0204	N06	W43	8861	02	4.9	1	SN			C	0203	7	0.4	D
0075	LEAR	08	0232	0233	0237	N25	E23	8858	02	9.9	5	SF		3	E		11		
0076	LEAR	08	0232	0234	0249	N07	W42	8861	02	4.9	17	SF		4	E		11		
0077		08	03001	03014	0316	N08	W42	8861	02	5.0	16	SN					48	0.9	D
	LEAR	08	0300	0301	0311	N07	W42	8861	02	5.0	11	SF		4	E		32		
	URUM	08	0301	0305	0321	N09	W43	8861	02	4.9	20	SN			C		64	0.9	D
0078	LEAR	08	0347	0349	0352	N25	E23	8858	02	9.9	5	SF		4	E		16		
0079	LEAR	08	0444	0446	0448	N25	E22	8858	02	9.9	4	SF		3	E		14		
0080		08	05242	05264	0530	S17	E23	8856	02	10.0	6	SN					86	1.3	DEF
	LEAR	08	0524	0526	0533	S17	E23	8856	02	10.0	9	SF		4	E		58		F
	MITK	08	0526	0526	0527	S16	E24	8856	02	10.0	1	SN			C	0526	6	0.4	D
	URUM	08	0530E	0530	0534D	S18	E22	8856	02	9.9	4D	1N			P		193	2.2	E

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0081		08	08435	08567	0953	N25	E26	8858	02	10.4	70	1N					244	5.6	EFU
	LEAR	08	0843	0856	0959	N25	E26	8858	02	10.4	76	1B		3	E		239		U
	URUM	08	0848	0903	0945	N27	E26	8858	02	10.4	57	2B			C		402	5.6	E
	SVTO	08	0916E	0917U	0956	N24	E26	8858	02	10.4	40D	SF		3	E		90		F
0082	KANZ	08	1216	1216	1220	N23	E18	8858	02	9.9	4	SF		2	C				
0083		08	1232	12351	1248	N29	E21	8858	02	10.2	16	SN					42		F
	SVTO	08	1232	1235	1243	N27	E21	8858	02	10.1	11	SF		3	E		42		F
	KANZ	08	1232	1236	1252	N31	E21	8858	02	10.2	20	SN		2	C				
0084	HOLL	08	1507	1509	1546	N05	W51	8861	02	4.8	39	SF		3	E		44		
		08	2022		2024	No Flare Patrol													
		08	2030		2310	No Flare Patrol													
0085	LEAR	09	0014	0015	0027	N25	E12	8858	02	9.9	13	SF		3	E		11		
0086		09	00446	00511	0124	N31	E15	8858	02	10.2	40	SN					429	1.4	E
	LEAR	09	0044	0052	0136	N30	E16	8858	02	10.3	52	SN		3	E		83		E
	VORO	09	0046	0051	0128	N31	E16	8858	02	10.3	42	SN		3	C	0005	1 125	1.7	
	MITK	09	0050	0051	0107	N31	E14	8858	02	10.1	17	SN			C	0051	80	1.1	E
0087	LEAR	09	0217	0218	0227	N07	W56	8861	02	4.9	10	SF		3	E		26		
0088	LEAR	09	0323	0323	0328	S16	W66	8857	02	4.1	5	SF		3	E		21		
0089	LEAR	09	0357	0405	0412	N07	W59	8861	02	4.7	15	SF		3	E		26		
0090	LEAR	09	0400	0422	0432	N27	W76	8851	02	3.2	32	SF		3	E		31		
0091	LEAR	09	0456	0458	0511	N20	W37	8860	02	6.4	15	SF		3	E		37		F
0092	LEAR	09	0607	0607	0618	S25	E43	8868	02	12.6	11	SF		3	E		12		
		09	1053		1106	No Flare Patrol													
		09	1108		1117	No Flare Patrol													
		09	1124		1154	No Flare Patrol													
		09	1215		1308	No Flare Patrol													
0093	RAMY	09	1551	1551	1556	N05	W65	8861	02	4.8	5	SF		3	E		24		
		09	1757		1822	No Flare Patrol													
0094		09	19266	19381	2143	S17	W40	8853	02	6.8	137	1F					199		HU
	HOLL	09	1926	1939	2143	S17	W40	8853	02	6.8	137	2F		3	E		321		U
	RAMY	09	1932	1938	2007D	S17	W41	8853	02	6.7	35D	SF		3	E		77		UH
0095	LEAR	09	2324	2335	2340	N44	W28	8864	02	7.6	16	SF		3	E		19		
0096	LEAR	09	2342	2358	2428	S21	E32	8868	02	12.4	46	SF		3	E		69		
0097		10	0020*	0153*	0254	N28	E04	8858	02	10.3	154	1N					125	1.0	EF
	LEAR	10	0020	0153	0324	N31	E04	8858	02	10.3	184	1N		3	E		170		F
	MITK	10	0151	0205	0225	N25	E03	8858	02	10.3	34	SN			C	0205	80	1.0	E
0098	VORO	10	0025	0029	0052	N32	E05	8858	02	10.4	27	SN		3	C	0029	108	1.4	
0099	LEAR	10	0046	0109	0128	S25	E32	8868	02	12.5	42	SF		3	E		56		
0100		10	09453	09462	0952	N08	W72	8861	02	5.0	7	SF					69		
	LEAR	10	0945	0946	0953	N08	W75	8861	02	4.8	8	SF		3	E		69		
	KANZ	10	0948	0948	0952	N07	W70	8861	02	5.2	4	SF		2	C				
		10	1417		1421	No Flare Patrol													
		10	1521		1809	No Flare Patrol													
0101	HOLL	11	0007E	0007U	0007	S25	E59	8869	02	15.6	4D	SF		3	E		19		
		11	1031		1409	No Flare Patrol													

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0102	HOLL	11	1457	1459	1507	N24	W18	8858	02	10.2	10	SF		3	E		58		
0103	HOLL	11	1719	1722	1738	S15	E37	8863	02	14.5	19	SF		3	E		36		F
0104	HOLL	11	1934	1935	1939	N24	W21	8858	02	10.2	5	SF		3	E		15		
0105	HOLL	11	1946	1947	1950	N24	W20	8858	02	10.3	4	SF		3	E		10		
0106	HOLL	11	1955	1956	1959	N24	W21	8858	02	10.2	4	SF		3	E		16		
		11	2138		2152	No Flare Patrol													
0107		12	0356*	04087	0456	N26	W24	8858	02	10.3	60	1B					338	6.0	E
	MITK	12	0356	0408	0450	N25	W25	8858	02	10.2	54	1B			C	0408	318	4.3	E
	LEAR	12	0410	0415	0505	N26	W23	8858	02	10.4	55	1N		3	E		133		
	URUM	12	0415E	0415	0454	N26	W24	8858	02	10.3	39D	2B			P		563	7.6	E
		12	0909		1212	No Flare Patrol													
		12	1218		1254	No Flare Patrol													
		12	1340		1347	No Flare Patrol													
		12	1404		1407	No Flare Patrol													
		12	1618		1632	No Flare Patrol													
		12	1639		2319	No Flare Patrol													
0108	LEAR	13	0306	0313	0326	S24	E47	8869	02	16.8	20	SF		3	E		24		
0109	LEAR	13	0327	0328	0331	S25	E44	8869	02	16.5	4	SF		3	E		44		
0110	LEAR	13	0331	0331	0335	S25	E44	8869	02	16.5	4	SF		3	E		21		
0111		13	0537	05378	0552	N30	W39	8858	02	10.2	15	SF					37	0.8	D
	LEAR	13	0537	0537	0552	N30	W39	8858	02	10.2	15	SF		3	E		26		
	URUM	13	0545E	0545	0545D	N29	W39	8858	02	10.2	15D	SF			P		48	0.8	D
0112	URUM	13	0936E	0936	0936D	N24	W74	8855	02	7.7	15D	1B			P		80		D
		13	1047		1138	No Flare Patrol													
		13	1144		1154	No Flare Patrol													
		13	1156		1210	No Flare Patrol													
0113	KANZ	13	1303	1307	1347	S14	W48		02	9.9	44	SF		2	C				
0114	KANZ	13	1327	1327	1335	N25	W43	8858	02	10.2	8	SF		2	C				
0115	HOLL	13	2054	2055	2059	S15	W35	8871	02	11.2	5	SF		3	E		21		
0116	LEAR	14	0530	0530	0535	N27	W51	8858	02	10.2	5	SF		3	E		15		
		14	0624		0630	No Flare Patrol													
0117		14	10032	10032	1016	S30	E50	8872	02	18.3	13	SF					30		
	LEAR	14	1003	1003	1012	S29	E51	8872	02	18.4	9	SF		2	E		30		
	KANZ	14	1005	1005	1021	S30	E50	8872	02	18.3	16	SF		2	C				
0118	KANZ	14	1233	1237	1241	N27	W47		02	10.9	8	SF		2	C				
0119	KANZ	14	1333	1333	1341	N26	W46		02	11.0	8	SF		2	C				
0120	LEAR	15	0406	0408	0411	S15	W39	8867	02	12.2	5	SF		3	E		11		
0121	LEAR	15	0446	0447	0452	N24	W65	8858	02	10.2	6	SF		3	E		15		
0122	LEAR	15	0515	0519	0522	N24	W65	8858	02	10.2	7	SF		3	E		15		
0123	LEAR	15	0527	0536	0543	N24	W65	8858	02	10.2	16	SF		3	E		16		
0124	LEAR	15	0546	0547	0600	N24	W65	8858	02	10.2	14	SF		3	E		13		
0125	LEAR	15	0600	0606	0617	N24	W65	8858	02	10.2	17	SF		3	E		18		

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0126	LEAR	15	0740	0741	0743	N24	W66	8858	02	10.2	3	SF		3	E		13		
0127	LEAR	15	1008	1010	1013	N24	W67	8858	02	10.2	5	SF		3	E		67		
		15	1100		1217	No Flare Patrol													
		15	1229		1231	No Flare Patrol													
0128	HOLL	15	1618	1619	1623	N26	W70	8858	02	10.2	5	SF		3	E		42		
0129	HOLL	15	1639	1641	1653	S23	E13	8869	02	16.7	14	SF		3	E		28		
0130		15	18426	18487	1908	S17	W46	8867	02	12.3	26	SF					32		
	HOLL	15	1842	1848	1913	S16	W46	8867	02	12.3	31	SF		3	E		47		
	RAMY	15	1848	1855	1904	S18	W45	8867	02	12.3	16	SF		3	E		17		
0131	HOLL	15	2130	2134	2138	N25	W67		02	10.7	8	SF		3	E		16		
0132	LEAR	16	0243	0246	0250	N28	W69		02	10.7	7	SF		3	E		20		
0133	LEAR	16	0534	0537	0547	N27	W69		02	10.8	13	SF		3	E		40		
		16	0700		0712	No Flare Patrol													
0134		16	0842	08462	0906	S15	W53	8867	02	12.3	24	SF					37		F
	SVTO	16	0842	0846	0907	S14	W53	8867	02	12.3	25	SF		3	E		34		F
	LEAR	16	0842	0848	0904	S16	W53	8867	02	12.3	22	SF		3	E		40		
0135	LEAR	16	1004	1008	1016	N27	W69		02	11.0	12	SF		3	E		28		
		16	1039		1312	No Flare Patrol													
		16	1403		1406	No Flare Patrol													
0136	HOLL	16	1536	1536	1540	S22	W04	8869	02	16.3	4	SF		3	E		16		
0137	HOLL	16	1609	1613	1619	S24	W55	8868	02	12.4	10	SF		3	E		46		
0138	HOLL	16	1723	1724	1729	S15	W58	8867	02	12.3	6	SF		3	E		36		
0139	HOLL	16	1831	1831	1840	S25	W03	8869	02	16.5	9	SF		3	E		25		
0140	HOLL	16	2030	2035	2038	S17	W62	8867	02	12.1	8	SF		3	E		17		F
0141	VORO	17	0148	0159	0200	S15	W64	8867	02	12.2	12	1F		3	C	0159	197	4.4	
0142	LEAR	17	0445	0447	0454	S23	E39	8875	02	20.2	9	SF		3	E		30		
		17	0612		0832	No Flare Patrol													
		17	1138		1144	No Flare Patrol													
0143	KANZ	17	1426	1438	1450	S25	W15	8869	02	16.4	24	SF		2	C				
0144	HOLL	17	1546	1546	1550	S17	W71	8867	02	12.3	4	SF		3	E		22		
0145		17	18441	18471	1938	S25	W16	8869	02	16.5	54	1B					202		FU
	RAMY	17	1844	1847	1929	S25	W16	8869	02	16.5	45	1N		3	E		158		UF
	HOLL	17	1845	1848	1948	S25	W16	8869	02	16.5	63	1B		3	E		245		UF
0146	RAMY	17	1918	1918	1931	S27	W10	8869	02	17.0	13	SF		3	E		16		F
0147		17	20193	2031	2206	S29	E07	8872	02	18.4	107	2N					465		FSU
	HOLL	17	2019	2031U	2218	S29	E07	8872	02	18.4	119	2N		3	E		585		US
	RAMY	17	2022	2031	2154	S29	E07	8872	02	18.4	92	2F		3	E		345		UF
0148	URUM	18	0514	0518	0526	S10	E11	8874	02	19.0	12	SF			C		80	0.8	E
0149		18	08402	0842	0852	S20	W26	8869	02	16.4	12	SF					11		
	LEAR	18	0840	0842	0852	S20	W26	8869	02	16.4	12	SF		3	E		11		
	KANZ	18	0842	0842	0850D	S19	W27	8869	02	16.3	8D	SF		2	C				

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0150		18	0925	0937	0944	S16	W78	8867	02	12.5	19	SF					16		
	KANZ	18	0925	0937	0945	S16	W78	8867	02	12.5	20	SF		2	C				
	LEAR	18	0938E	0939U	0943	S16	W78	8867	02	12.5	5D	SF		3	E		16		
		18	1014		1022	No Flare Patrol													
		18	1134		1149	No Flare Patrol													
		18	1214		1221	No Flare Patrol													
		18	1235		1242	No Flare Patrol													
		18	1246		1252	No Flare Patrol													
		18	1306		1318	No Flare Patrol													
0151	HOLL	18	1803	1805	1807	S18	W31	8869	02	16.4	4	SF		3	E		14		F
0152	HOLL	18	1943	1946	1952	S19	W33	8869	02	16.3	9	SF		3	E		21		F
0153		18	19574	20021	2009	S19	W32	8869	02	16.4	12	SF					56		F
	HOLL	18	1957	2003	2010	S18	W33	8869	02	16.3	13	SF		3	E		81		F
	RAMY	18	2001	2002	2008	S20	W32	8869	02	16.4	7	SF		3	E		31		
		18	2323		2400	No Flare Patrol													
		19	0000		0106	No Flare Patrol													
0154	LEAR	19	0152	0159	0214	S25	W31	8869	02	16.7	22	SF		3	E		27		
0155	LEAR	19	0224	0240	0308	S25	W31	8869	02	16.7	44	SF		3	E		24		
0156	LEAR	19	0308	0341	0415	S25	W32	8869	02	16.6	67	SF		3	E		45		
0157	LEAR	19	0609	0641U	0648	S20	W39	8869	02	16.3	39	SF		3	E		29		F
0158	URUM	19	0805	0811	0820	S22	W38	8869	02	16.4	15	SF			C		64	0.9	E
		19	0921		0932	No Flare Patrol													
		19	1006		1011	No Flare Patrol													
0159		19	1506	1547	1720	S20	W42	8869	02	16.4	134	1N					169		
	HOLL	19	1506	1547	1732	S19	W42	8869	02	16.4	146	1N		3	E		212		
	RAMY	19	1544E	1547	1707	S22	W42	8869	02	16.4	83D	1F		3	E		126		
0160	RAMY	19	1517	1524	1541	S20	W42	8869	02	16.4	24	SF		3	E		20		
0161	HOLL	19	1740	1743	1757	S20	W45	8869	02	16.3	17	SF		3	E		68		
0162	HOLL	19	1902	1903	1930	S22	W47	8869	02	16.2	28	SF		3	E		23		F
0163	HOLL	19	1930	1937	1941	S21	W46	8869	02	16.3	11	SF		3	E		17		
0164	HOLL	19	2019	2022	2038	S19	W45	8869	02	16.4	19	SF		3	E		17		
0165	HOLL	19	2134	2213U	2320	S19	W47	8869	02	16.3	106	1F		3	E		144		F
		19	2233		2240	No Flare Patrol													
		19	2244		2255	No Flare Patrol													
		20	0015		0028	No Flare Patrol													
0166	LEAR	20	0054	0057	0114	S25	W43	8869	02	16.7	20	1N		3	E		101		F
		20	0218		0230	No Flare Patrol													
		20	0252		0259	No Flare Patrol													
0167	LEAR	20	0405	0416	0447	S25	W45	8869	02	16.7	42	SF		2	E		65		
		20	0456		0527	No Flare Patrol													
		20	0543		0609	No Flare Patrol													
0168		20	0717	0717U	0735	S18	W49	8869	02	16.6	18	SF					28		
	LEAR	20	0717	0717U	0750D	S19	W51	8869	02	16.4	33D	SF		3	E		28		
	KANZ	20	0723E	0723U	0735	S17	W47	8869	02	16.7	12D	SF		2	C				
		20	0720		0722	No Flare Patrol													

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0169	SVTO	20	1021	1025U	1029D	S21	W57	8869	02	16.1	8D	SF		2	E		33		F
		20	1030		1139	No Flare Patrol													
0170	RAMY	20	1538	1539	1544	S19	W55	8869	02	16.4	6	SF		3	E		32		
0171	RAMY	20	1732	1732	1739	S19	W57	8869	02	16.4	7	SF		3	E		12		
0172		20	1732*	1747	1751	S22	W54	8869	02	16.6	19	SF					31		
	HOLL	20	1732	1747	1752	S25	W54	8869	02	16.5	20	SF		3	E		44		
	RAMY	20	1746	1747	1750	S19	W55	8869	02	16.5	4	SF		3	E		18		
		20	2050		2115	No Flare Patrol													
		20	2228		2348	No Flare Patrol													
0173	HOLL	20	2325	2328	2410D	S22	W48	8869	02	17.3	45D	SF		3	E		32		F
0174	VORO	21	0043	0044	0048	S07	W58	8880	02	16.7	5	SF		3	C	0044	108	2.0	
0175		21	0043	0044	0048	S18	W58	8869	02	16.6	5	SN					54	1.3	DEH
	MITK	21	0043	0044	0045	S20	W57	8869	02	16.7	2	SN			C	0044	66	1.3	D
	LEAR	21	0043	0044	0050	S17	W58	8869	02	16.6	7	SN		3	E		43		EH
0176	KANZ	21	0730	0730	0734	S19	W61	8869	02	16.6	4	SF		2	C				
0177	KANZ	21	0750		0750D	S16	E79	8882	02	27.3	4D	SF		2	C				
0178	KANZ	21	1326	1330	1338	N10	E78	8883	02	27.4	12	SF		2	C				
0179	HOLL	21	1649	1651	1702	S21	W71	8869	02	16.2	13	SF		3	E		29		
		21	1927		1936	No Flare Patrol													
		21	1944		1951	No Flare Patrol													
		21	2137		2251	No Flare Patrol													
0180	LEAR	21	2301	2414	2427	S16	E74	8882	02	27.6	86	1F		3	E		118		F
0181	LEAR	21	2308	2318	2347	S19	W78	8869	02	16.0	39	2B		3	E		399		E
0182	SVTO	22	0845	0850U	0902	S20	W80	8869	02	16.2	17	SF		3	E		23		F
		22	1018		1119	No Flare Patrol													
0183	RAMY	22	1131E	1131U	1149D	S24	W79	8869	02	16.4	18D	SF		2	E		24		
		22	1206		1249	No Flare Patrol													
		22	1259		1310	No Flare Patrol													
0184		22	1329	1331	1350	N11	E66	8883	02	27.5	21	SF					30		
	RAMY	22	1329	1331	1350	N13	E66	8883	02	27.5	21	SF		3	E		30		
	KANZ	22	1335E		1339D	N09	E66	8883	02	27.5	4D	SF		2	C				
		22	1701		1745	No Flare Patrol													
		22	1751		1804	No Flare Patrol													
		22	1818		2023	No Flare Patrol													
		22	2105		2111	No Flare Patrol													
		22	2118		2129	No Flare Patrol													
		22	2137		2140	No Flare Patrol													
		22	2205		2313	No Flare Patrol													
0185		23	0403	0406	0410	N22	E06	8879	02	23.6	7	SN					32	0.4	DF
	URUM	23	0403	0406	0410	N23	E03	8879	02	23.4	7	SN			C		32	0.4	D
	LEAR	23	0405E	0406U	0412D	N21	E08	8879	02	23.8	7D	SF		3	E		32		F
0186	LEAR	23	0448	0509	0523	N11	E60	8883	02	27.7	35	SF		3	E		25		
0187	LEAR	23	0733	0735	0737	S19	W90	8869	02	16.4	4	SF		4	E		21		
		23	1013		1019	No Flare Patrol													
		23	1159		1226	No Flare Patrol													

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0188	RAMY	23	1317	1319	1324	N14	E51	8883	02	27.4	7	SF		3	E		14		
0189	RAMY	23	1407	1408	1420	N20	E04	8879	02	23.9	13	SF		3	E		14		
0190	HOLL	23	1435E	1504	1519	N12	E53	8883	02	27.6	44D	SF		3	E		19		
		23	1903		1926	No Flare Patrol													
0191	HOLL	23	1953	1955	2001	S19	W91	8869	02	16.9	8	SF		3	E		89		
0192	HOLL	23	2128	2130	2134	N23	W02	8879	02	23.7	6	SF		3	E		26		
0193		24	08481	08511	0855	N17	E72	8889	02	29.8	7	SF					15		
	KANZ	24	0848	0852	0856	N16	E73	8889	02	29.9	8	SF		2	C				
	LEAR	24	0849	0851	0854	N18	E72	8889	02	29.8	5	SF		3	E		15		
0194	KANZ	24	0952	0952	0956	S19	E40	8882	02	27.5	4	SF		2	C				
0195	KANZ	24	1116	1116	1124	S10	E54	8887	02	28.5	8	SF		2	C				
0196	KANZ	24	1234	1242	1258	N15	E43	8883	02	27.8	24	SF		2	C				
0197	RAMY	24	1657	1658	1702	N26	E72	8889	03	1.3	5	SF		3	E		13		
		24	2004		2010	No Flare Patrol													
		24	2034		2037	No Flare Patrol													
		24	2050		2057	No Flare Patrol													
		24	2106		2135	No Flare Patrol													
		24	2149		2330	No Flare Patrol													
0198	LEAR	25	0318	0322	0334	S17	E30	8882	02	27.4	16	SF		3	E		20		
0199	LEAR	25	0419	0420	0424	N20	E69	8889	03	1.4	5	SF		3	E		26		
0200	LEAR	25	0457	0501	0524	N23	W22	8879	02	23.5	27	SF		3	E		69		
0201	LEAR	25	0607	0608	0612	N21	E67	8889	03	1.4	5	SF		3	E		15		
0202	LEAR	25	0642	0648	0653	N21	E66	8889	03	1.3	11	SF		3	E		27		H
0203		25	0901E	09151	0935	N34	E52	8888	02	29.5	34D	SF					96		F
	SVTO	25	0901E	0916	0935	N35	E52	8888	02	29.5	34D	SF		3	E		96		F
	KANZ	25	0903E	0915	0935	N34	E51	8888	02	29.4	32D	SF		2	C				
0204		25	1602*	1604*	1620	N24	E62	8889	03	1.4	18	SF					42		
	HOLL	25	1602	1604	1622	N22	E62	8889	03	1.4	20	SF		3	E		70		
	RAMY	25	1613	1615	1618	N25	E63	8889	03	1.5	5	SF		3	E		13		
0205	HOLL	25	1847	1847	1854	S17	E73	8891	03	2.3	7	SF		3	E		18		
0206	HOLL	25	2037	2040	2045	S11	E34	8887	02	28.4	8	SF		3	E		23		
		25	2256		2304	No Flare Patrol													
		25	2310		2321	No Flare Patrol													
		25	2326		2329	No Flare Patrol													
0207	LEAR	26	0615	0623	0631	N21	E58	8889	03	1.7	16	SF		3	E		34		
0208	KANZ	26	1048	1056	1108	N21	E50	8889	03	1.3	20	SF		2	C				
0209	HOLL	26	1911	1914	1924	S11	E64	8891	03	2.6	13	SF		3	E		20		
0210	HOLL	26	1920	1921	1926	S12	E43	8890	03	1.0	6	SF		3	E		16		
0211	HOLL	26	2034	2104	2136	N18	W17	8881	02	25.6	62	SF		3	E		47		F
0212	HOLL	26	2218	2223	2239	S15	E72	8891	03	3.4	21	SF		3	E		66		
0213	HOLL	26	2225	2226	2230	S17	E10	8882	02	27.7	5	SF		3	E		27		

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0214	HOLL	26	2311	2312	2316	S18	E08	8882	02	27.6	5	SF		3	E		14		
0215	HOLL	26	2320	2321	2326	S12	E68	8891	03	3.1	6	SF		3	E		16		
0216	HOLL	26	2337	2354	2451D	N29	E50	8889	03	1.9	74D	2F		3	E		349		FU
		26	2356		2400	No Flare Patrol													
		27	0000		0008	No Flare Patrol													
0217	HOLL	27	0022	0028	0051D	S14	E55	8891	03	2.2	29D	SF		3	E		32		
		27	0048		0103	No Flare Patrol													
		27	0241		0252	No Flare Patrol													
0218	LEAR	27	0330	0330	0334	S14	E53	8891	03	2.1	4	SF		3	E		19		
0219	LEAR	27	0333	0333	0338	N23	W47	8879	02	23.5	5	SF		3	E		25		
0220	LEAR	27	0556	0557	0605	S16	E05	8882	02	27.6	9	SF		3	E		19		
0221	LEAR	27	0558	0601	0636	N20	E44	8889	03	1.6	38	SF		3	E		51		F
0222	LEAR	27	0651	0653	0658	N18	E34	8889	02	29.9	7	1F		3	E		104		
0223		27	08282	08302	0841	S18	E03	8882	02	27.6	13	SF					37		
	KANZ	27	0828	0832	0840	S18	E06	8882	02	27.8	12	SF		2	C				
	LEAR	27	0830	0830	0842	S17	E00	8882	02	27.3	12	SF		3	E		37		
		27	1158		1213	No Flare Patrol													
0224		27	1221	1221	1229	N24	W46	8879	02	24.0	8	SF					38		
	RAMY	27	1219E	1219U	1244D	N24	W47	8879	02	23.9	25D	SF		3	E		38		
	KANZ	27	1221	1221	1229	N24	W46	8879	02	24.0	8	SF		2	C				
0225		27	14241	14251	1430	S16	E46	8891	03	2.1	6	SF					21		
	HOLL	27	1424	1426	1430	S15	E47	8891	03	2.1	6	SF		3	E		21		
	KANZ	27	1425	1425	1429	S16	E45	8891	03	2.0	4	SF		2	C				
0226	HOLL	27	1431	1438	1441	S11	E53	8891	03	2.6	10	SF		3	E		16		
0227	HOLL	27	1506	1508	1517	S14	E54	8891	03	2.7	11	SF		3	E		14		
0228	HOLL	27	1526	1527	1537	S16	W01	8882	02	27.6	11	SF		3	E		16		F
0229		27	1549	15491	1606	S16	W00	8882	02	27.6	17	SF					30		
	KANZ	27	1549	1549	1601D	S16	E00	8882	02	27.6	12D	SF		2	C				
	HOLL	27	1549	1550	1606	S16	W01	8882	02	27.6	17	SF		3	E		30		
0230	KANZ	27	1553	1553	1557	N22	E41	8889	03	1.8	4	SF		2	C				
0231	HOLL	27	1626	1626	1635	S16	W01	8882	02	27.6	9	SF		3	E		24		
0232	HOLL	27	1837	1847	1911	S14	E52	8891	03	2.7	34	SF		3	E		23		
0233	HOLL	27	1845	1846	1900	S17	W02	8882	02	27.6	15	SF		3	E		23		
0234	HOLL	27	2024	2026	2040	S17	W03	8882	02	27.6	16	SF		3	E		33		
0235	HOLL	27	2229	2232	2237	S17	W04	8882	02	27.6	8	SF		3	E		10		
0236	HOLL	27	2255	2255	2313	S16	W05	8882	02	27.6	18	SF		3	E		18		
0237	HOLL	27	2331	2332	2336	N22	E31	8889	03	1.4	5	SF		3	E		12		
0238	KANZ	28	1349	1349	1412	S14	E41	8891	03	2.7	23	SF		2	C				
0239	HOLL	28	1549	1551	1556	N19	W39	8881	02	25.7	7	SF		3	E		33		
		28	1623		1709	No Flare Patrol													

Hα SOLAR FLARES

FEBRUARY 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	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0240	RAMY	28	1711	1713	1725	S15	E40	8891	03	2.7	14	SF		3	E		12		
		28	2333		2349	No Flare Patrol													
0241		29	07261	07304	0738	N19	E69	8896	03	5.6	12	SF					35		
	KANZ	29	0726	0730	0738	N19	E68	8896	03	5.5	12	SF		2	C				
	LEAR	29	0727	0734	0739	N19	E70	8896	03	5.6	12	SF		3	E		35		
0242	RAMY	29	1124E	1125U	1136D	S14	E25	8891	03	2.4	12D	SF		2	E		43		
0243		29	14502	14544	1513	S21	E30	8891	03	2.9	23	SF					36		F
	SVTO	29	1450	1458	1504	S21	E28	8891	03	2.8	14	SF		3	E		43		F
	HOLL	29	1452	1454	1522	S21	E32	8891	03	3.1	30	SF		3	E		29		
0244	RAMY	29	1608	1611	1650	S15	W29	8882	02	27.5	42	SF		3	E		48		F
0245		29	1658	1705*	1737	S14	W29	8882	02	27.5	39	1F					114		
	RAMY	29	1658	1705	1736	S15	W29	8882	02	27.5	38	1F		3	E		103		
	HOLL	29	1715E	1716	1738	S14	W29	8882	02	27.5	23D	1F		3	E		124		
		29	1707		1715	No Flare Patrol													
0246		29	18197	18252	1836	S16	E26	8891	03	2.7	17	SF					16		F
	HOLL	29	1819	1825	1837	S16	E27	8891	03	2.8	18	SF		3	E		20		
	RAMY	29	1826	1827	1835	S15	E26	8891	03	2.7	9	SF		3	E		11		F
0247	HOLL	29	1846	1850	1857	S14	W32	8882	02	27.4	11	SF		3	E		12		
		29	2109		2110	No Flare Patrol													
		29	2133		2208	No Flare Patrol													
		29	2215		2242	No Flare Patrol													
0248	HOLL	29	2255	2312	2317	S14	E23	8891	03	2.7	22	SF		3	E		33		

"Remarks"

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

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