Hα SOLAR FLARES

FEBRUARY 2002

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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0001	LEAR	01	0149	0150	0154	S14	E05	9802	02	1.4	5	SF		3	E		16		F
		01	0733		0739	No Flare Patrol													
		01	1000		1045	No Flare Patrol													
0002	KANZ	01	1148	1148	1152	S15	E00	9802	02	1.5	4	SF		2	E				
0003	RAMY	01	1453	1453	1456	N06	W28	9800	01	30.6	3	SF		3	E		14		F
0004	HOLL	01	1818	1818	1821	N03	W32	9800	01	30.5	3	SF		3	E		23		F
0005	HOLL	01	1818	1818	1821	S15	W04	9802	02	1.4	3	SF		3	E		14		F
		01	2026		2034	No Flare Patrol													
0006		01	2112	2114	2130	N05	W31	9800	01	30.7	18	SF					40		F
	RAMY	01	2112E	2112U	2118D	N05	W31	9800	01	30.7	6D	SF		3	E		11		
	HOLL	01	2112	2114	2130	N05	W31	9800	01	30.7	18	SF		3	E		69		F
		01	2306		2311	No Flare Patrol													
0007	KANZ	02	1134	1135	1137	S14	W13	9802	02	1.5	3	SF		2	E				
0008	RAMY	02	1535	1535	1541	S18	W13	9802	02	1.6	6	SF		3	E		23		F
0009	RAMY	02	2000	2004	2018	S19	W16	9802	02	1.6	18	SF		3	E		40		F
		02	2047		2106	No Flare Patrol													
		02	2110		2327	No Flare Patrol													
0010	LEAR	03	0231	0232	0234	S27	E34	9807	02	5.7	3	SF		3	E		14		
0011	LEAR	03	0306	0306	0308	S19	W17	9802	02	1.8	2	SF		3	E		11		F
0012	LEAR	03	0548	0552	0559	S27	E32	9807	02	5.7	11	SF		3	E		42		F
0013		03	12591	13001	1307	N16	E19	9808	02	5.0	8	SF					13		
	KANZ	03	1259	1300	1308	N17	E18	9808	02	4.9	9	SF		2	E				
	RAMY	03	1300	1301	1306	N15	E20	9808	02	5.0	6	SF		3	E		13		
0014	RAMY	03	1509	1514	1543	S17	W27	9802	02	1.6	34	SF		3	E		88		F
0015	RAMY	03	1851	1852	1858	S26	E25	9807	02	5.7	7	SF		3	E		22		
		03	1929		2302	No Flare Patrol													
0016		04	01511	02001	0222	S04	W42	9801	01	31.9	31	3F					1000	2.5	,FH
	MITK	04	0151	0201	0229	S04	W42	9801	01	31.9	38	4F			C	0201	1822	2.5	F,H
	LEAR	04	0152	0200	0214	S03	W42	9801	01	31.9	22	1F		3	E		177		F
0017	LEAR	04	0211	0211	0213	S18	W36	9802	02	1.3	2	SF		3	E		26		FH
0018	LEAR	04	0435	0438	0443	S13	W20	9816	02	2.7	8	SF		3	E		10		F
0019	LEAR	04	0529	0530	0535	S14	W22	9816	02	2.6	6	SF		3	E		11		F
		04	0535		0555	No Flare Patrol													
0020	MITK	04	0603	0604	0604	S07	E30	9809	02	6.5	1	3F			C	0604	1940	2.3	,BU
		04	0604		0714	No Flare Patrol													
0021	LEAR	04	0738E	0738U	0742D	S08	E18	9809	02	5.7	4D	1F		2	E		249		
		04	0803		0834	No Flare Patrol													
0022		04	1007	1023	1044	S14	W26	9802	02	2.4	37	SF					23		
	KANZ	04	1007	1023	1044	S14	W26	9802	02	2.4	37	SF		2	E				
	SVTO	04	1029E	1029U	1046D	S13	W25	9802	02	2.5	17D	SF		2	E		23		

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		04	1529		1602	No Flare Patrol													
		04	1741		1756	No Flare Patrol													
0023	RAMY	04	1900	1903	1946	S13	W31	9802	02	2.4	46	SF		3	E		33		F
		04	1918		1928	No Flare Patrol													
		04	1936		1945	No Flare Patrol													
		04	2029		2045	No Flare Patrol													
		04	2149		2231	No Flare Patrol													
0024	LEAR	04	2329E	2334U	2337	S13	W42	9802	02	1.8	8D	SF		2	E		56		F
0025		05	08233	08272	0839	S16	W37	9816	02	2.5	16	SF					16		F
	KANZ	05	0823	0827	0843	S15	W37	9816	02	2.5	20	SF		2	E				
	LEAR	05	0826	0829	0835	S16	W37	9816	02	2.5	9	SF		3	E		16		F
0026		05	1150	11501	1156	S06	E14	9809	02	6.5	6	SF					12		F
	SVTO	05	1150	1150	1154	S07	E15	9809	02	6.6	4	SF		3	E		12		F
	KANZ	05	1150	1151	1158	S06	E14	9809	02	6.5	8	SF		2	E				
0027		05	1158	11581	1204	S12	W37	9816	02	2.7	6	SF					13		H
	SVTO	05	1158	1158	1203	S11	W37	9816	02	2.7	5	SF		3	E		13		H
	KANZ	05	1158	1159	1205	S12	W37	9816	02	2.7	7	SF		2	E				
0028		05	2006	20089	2109	S10	E08	9809	02	6.4	63	1F					166		FH
	RAMY	05	2006	2008	2102	S10	E08	9809	02	6.4	56	1F		3	E		102		FH
	HOLL	05	2006	2017	2116	S10	E07	9809	02	6.4	70	1F		3	E		231		FH
0029	HOLL	05	2045	2048	2052	S23	W74	9804	01	31.2	7	SF		3	E		32		F
0030	HOLL	05	2218	2236	2308	N17	W09	9808	02	5.2	50	SF		3	E		33		
		05	2253		2257	No Flare Patrol													
		05	2301		2306	No Flare Patrol													
		05	2330		2400	No Flare Patrol													
		06	0000		0005	No Flare Patrol													
		06	0015		0025	No Flare Patrol													
		06	0201		0212	No Flare Patrol													
0031		06	0437	0440	0451	S16	W48	9816	02	2.5	14	1N					264	7.1	F
	LEAR	06	0437	0440	0451	S17	W48	9816	02	2.5	14	SF		3	E		66		F
	MITK	06	0437	0440	0451	S15	W48	9816	02	2.5	14	2N			C	0440	461	7.1	F
0032	LEAR	06	0451	0509	0514	S17	W50	9816	02	2.4	23	SF		3	E		48		F
0033		06	0608	06091	0630	S23	E43	9811	02	9.6	22	1N					188	4.0	F
	LEAR	06	0608	0609	0633	S22	E44	9811	02	9.6	25	SF		3	E		96		F
	MITK	06	0608	0610	0626	S24	E42	9811	02	9.5	18	1B			C	0610	279	4.0	
		06	0832		0916	No Flare Patrol													
		06	0931		0943	No Flare Patrol													
		06	1010		1020	No Flare Patrol													
		06	1026		1040	No Flare Patrol													
		06	1105		1119	No Flare Patrol													
		06	1130		1223	No Flare Patrol													
		06	1323		1343	No Flare Patrol													
		06	1402		1406	No Flare Patrol													
		06	1444		1452	No Flare Patrol													
0034		06	17063	17103	1724	S11	W54	9816	02	2.6	18	SF					16		F
	RAMY	06	1706	1713	1726	S11	W54	9816	02	2.6	20	SF		3	E		15		F
	HOLL	06	1709	1710	1723	S11	W53	9816	02	2.7	14	SF		3	E		16		
0035		06	1930	19334	2002	S26	E34	9811	02	9.4	32	SF					88		F
	RAMY	06	1930	1933	2002	S27	E34	9811	02	9.5	32	SF		3	E		87		F
	HOLL	06	1930	1937	2002	S25	E34	9811	02	9.4	32	SF		3	E		88		F
0036		06	20121	20131	2028	N12	E30	9815	02	9.1	16	SF					68		F
	HOLL	06	2012	2013	2030	N12	E31	9815	02	9.2	18	SF		3	E		80		F
	RAMY	06	2013	2014	2025	N11	E30	9815	02	9.1	12	SF		3	E		57		

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0037	HOLL	06	2024	2024	2035	S09	W03	9809	02	6.6	11	SF		3	E		11		
0038	LEAR	07	0054	0056	0102	S14	W60	9816	02	2.5	8	SF		3	E		32		F
		07	0248		0419	No Flare Patrol													
		07	0536		0555	No Flare Patrol													
		07	0604		0658	No Flare Patrol													
		07	0730		0747	No Flare Patrol													
		07	0812		0834	No Flare Patrol													
		07	0843		1119	No Flare Patrol													
0039	RAMY	07	1206	1207	1214	S12	W79	9802	02	1.5	8	SF		3	E		14		F
0040	HOLL	07	2005	2006	2008	S10	W69	9816	02	2.6	3	SF		3	E		18		F
		08	0853		0901	No Flare Patrol													
		08	1033		1126	No Flare Patrol													
		08	2136		2241	No Flare Patrol													
0041		09	0813	0813	0824	N16	E71	9822	02	14.7	11	SF					41		F
	KANZ	09	0813E	0813U	0818D	N16	E70	9822	02	14.6	5D	SF		2	E				
	SVTO	09	0813	0813	0824	N15	E72	9822	02	14.8	11	SF		3	E		41		F
0042		09	09291	0930	0946	S14	E11	9821	02	10.2	17	SF					30		F
	KANZ	09	0929	0930	0947	S13	E11	9821	02	10.2	18	SF		2	E				
	LEAR	09	0930	0930	0946	S14	E13	9821	02	10.4	16	SF		3	E		24		F
	SVTO	09	0935E	0937U	0948D	S15	E10	9821	02	10.1	13D	SF		3	E		35		F
0043	KANZ	09	1406	1406	1409	S13	E02	9821	02	9.7	3	SF		2	E				
0044		09	14282	1430	1442	N12	E67	9825	02	14.6	14	SF					74		
	KANZ	09	1428	1430	1443	N15	E67	9825	02	14.7	15	SF		2	E				
	SVTO	09	1430	1434U	1441	N10	E67	9825	02	14.6	11	SF		3	E		74		
0045	HOLL	09	1942	1943	1949	S25	W07	9811	02	9.3	7	SF		3	E		20		
0046	HOLL	09	2058	2058	2103	S14	E04	9821	02	10.2	5	SF		3	E		13		F
0047	HOLL	09	2335	2337	2341	N12	E65	9825	02	14.9	6	SF		3	E		11		
0048	HOLL	09	2341	2342	2342D	S14	E01	9821	02	10.1	1D	SF		3	E		17		
0049	LEAR	10	0113	0115	0118	S14	E01	9821	02	10.1	5	SF		3	E		28		F
0050	KANZ	10	1133	1135	1140	N16	E44	9822	02	13.8	7	SF		2	E				
0051	SVTO	10	1247	1249	1255	S25	W12	9811	02	9.6	8	SF		3	E		13		F
0052	KANZ	10	1257	1257	1305	S04	E13	9823	02	11.5	8	SF		2	E				
0053		10	1605	16051	1610	S28	W14	9811	02	9.6	5	SF					12		F
	RAMY	10	1605	1605	1610	S28	W14	9811	02	9.6	5	SF		3	E		13		F
	HOLL	10	1605	1606	1610	S28	W14	9811	02	9.6	5	SF		3	E		11		
0054		10	17292	1732	1737	S12	W08	9821	02	10.1	8	SF					26		F
	HOLL	10	1729	1732	1739	S12	W08	9821	02	10.1	10	SF		3	E		33		F
	RAMY	10	1731	1732	1735	S13	W08	9821	02	10.1	4	SF		3	E		19		F
0055		10	1844	18444	1956	S25	W16	9811	02	9.5	72	2F					179		F
	RAMY	10	1844	1844	1957	S25	W16	9811	02	9.5	73	1F		3	E		107		F
	HOLL	10	1844	1848	1956	S25	W15	9811	02	9.6	72	2F		3	E		251		F
0056		10	19191	1923	1954	N08	E52	9825	02	14.7	35	1F					105		
	HOLL	10	1919	1923	1952	N08	E52	9825	02	14.7	33	1F		3	E		117		
	RAMY	10	1920	1923	1957	N07	E52	9825	02	14.7	37	SF		3	E		93		
0057		10	20081	20101	2019	S13	W09	9821	02	10.1	11	SF					29		F
	HOLL	10	2008	2011	2019	S13	W10	9821	02	10.1	11	SF		3	E		38		
	RAMY	10	2009	2010	2019	S13	W08	9821	02	10.2	10	SF		3	E		20		F

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0058		10	2346	2347	2350	S14	W12	9821	02	10.1	4	SF					28		F
	LEAR	10	2346	2347	2349	S14	W12	9821	02	10.1	3	SF		3	E		23		
	HOLL	10	2346	2347	2352	S14	W12	9821	02	10.1	6	SF		3	E		33		F
0059		11	00463	00501	0056	S12	W12	9821	02	10.1	10	SN					57	1.0	EF
	MITK	11	0046	0050	0056	S13	W13	9821	02	10.0	10	SN			C	0050	99	1.0	E
	LEAR	11	0049	0051	0057	S12	W11	9821	02	10.2	8	SF		3	E		15		F
0060	MITK	11	0204	0205	0207	S13	W12	9821	02	10.2	3	SN			C	0205	113	1.2	D
0061	LEAR	11	0303	0303	0312	S13	W13	9821	02	10.1	9	SF		3	E		19		F
0062		11	0313*	03301	0346	S14	W13	9821	02	10.1	33	SN					102	1.6	FH
	LEAR	11	0313	0330	0352	S14	W12	9821	02	10.2	39	SF		3	E		51		FH
	MITK	11	0329	0331	0340	S13	W14	9821	02	10.1	11	SN			C	0331	153	1.6	F
0063	MITK	11	0319	0319	0332	S14	W14	9821	02	10.1	13	1N			C	0319	253	2.7	F
0064	LEAR	11	0453	0453	0506	S13	W15	9821	02	10.1	13	SF		3	E		10		
0065	LEAR	11	0720	0722	0728	N16	E45	9825	02	14.7	8	SF		3	E		25		F
0066		11	09247	09257	0942	N16	E34	9822	02	14.0	18	SF					16		F
	LEAR	11	0924	0925	0940	N17	E34	9822	02	14.0	16	SF		3	E		18		F
	KANZ	11	0925	0925	0945	N16	E33	9822	02	13.9	20	SF		2	E				
	SVTO	11	0931	0932	0934D	N15	E36	9822	02	14.1	3D	SF		3	E		15		F
0067	KANZ	11	0933	0936U	0945	N11	W45	9810	02	8.0	12	SF		2	E				
0068		11	13521	13542	1408	S13	W20	9821	02	10.1	16	SF					14		F
	SVTO	11	1352	1354	1408	S13	W22	9821	02	9.9	16	SF		3	E		13		F
	RAMY	11	1353	1356	1407	S13	W19	9821	02	10.1	14	SF		3	E		16		F
0069	HOLL	11	2143	2143	2149	N10	E48	9825	02	15.5	6	SF		3	E		15		
0070	HOLL	11	2255	2258	2306	N14	E37	9825	02	14.7	11	SF		3	E		26		FU
0071		12	0252	02591	0332	S14	W28	9821	02	10.0	40	SN					104	1.8	DF
	LEAR	12	0252	0259	0335	S13	W30	9821	02	9.8	43	SF		3	E		55		F
	MITK	12	0252	0300	0328	S14	W27	9821	02	10.1	36	SB			C	0300	152	1.8	D
0072	MITK	12	0643	0646	0657	S14	W29	9821	02	10.1	14	SN			C	0646	105	1.2	D
0073		12	08511	08521	0910	N12	E39	9825	02	15.3	19	SF					16		F
	KANZ	12	0851	0852	0911	N12	E38	9825	02	15.2	20	SF		2	E				
	SVTO	12	0852	0853	0909	N11	E40	9825	02	15.4	17	SF		3	E		16		F
0074	LEAR	12	0852	0858	0900	N09	E28	9825	02	14.5	8	SF		2	E		28		F
0075		12	0951	0953	1002	S26	W38	9811	02	9.4	11	SF					23		F
	KANZ	12	0951	0953	0959	S26	W38	9811	02	9.4	8	SF		2	E				
	SVTO	12	0951	0953	1004	S27	W38	9811	02	9.4	13	SF		3	E		23		F
0076		12	1031	10314	1044	S13	W33	9821	02	9.9	13	SF					10		F
	SVTO	12	1031	1031	1043	S13	W33	9821	02	9.9	12	SF		3	E		10		F
	KANZ	12	1031	1035	1044	S13	W33	9821	02	9.9	13	SF		2	E				
0077		12	11181	11203	1130	N15	E32	9825	02	14.9	12	SF					12		
	KANZ	12	1118	1120	1129	N15	E31	9825	02	14.8	11	SF		2	E				
	SVTO	12	1119	1123	1132	N15	E32	9825	02	14.9	13	SF		3	E		12		
0078		12	12323	12355	1257	N13	E28	9825	02	14.6	25	SF					48		F
	SVTO	12	1232	1240	1256	N13	E27	9825	02	14.5	24	SF		3	E		82		F
	RAMY	12	1235	1235	1258	N13	E28	9825	02	14.6	23	SF		3	E		13		F
0079	KANZ	12	1233	1241	1257	N15	E28	9822	02	14.6	24	SF		2	E				
0080	SVTO	12	1236	1238	1247	S26	W38	9811	02	9.6	11	SF		3	E		12		

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0081	SVTO	12	1316	1316	1322	N17	E29	9825	02	14.7	6	SF		3	E		11		
0082		12	14247	1438	1544	N13	E36	9825	02	15.3	80	1F					93		F
	SVTO	12	1424	1438	1543	N13	E36	9825	02	15.3	79	1F		3	E		143		F
	RAMY	12	1431	1438	1545	N13	E36	9825	02	15.3	74	SF		3	E		43		F
0083	HOLL	12	1440	1443	1557	N14	E41	9825	02	15.7	77	SF		3	E		61		FH
0084		12	15501	15511	1600	S12	W36	9821	02	9.9	10	SF					12		
	RAMY	12	1550	1552	1601	S12	W35	9821	02	10.0	11	SF		3	E		13		
	HOLL	12	1551	1551	1558	S13	W36	9821	02	9.9	7	SF		3	E		11		
0085		12	16201	16211	1628	S25	W40	9811	02	9.6	8	SF					14		F
	RAMY	12	1620	1622	1629	S25	W41	9811	02	9.5	9	SF		3	E		10		F
	HOLL	12	1621	1621	1628	S25	W40	9811	02	9.6	7	SF		3	E		17		F
0086	RAMY	12	1642	1645	1650	S13	W35	9821	02	10.0	8	SF		3	E		10		F
0087	HOLL	12	2132	2136	2151	S25	W42	9811	02	9.6	19	SF		3	E		71		F
0088	LEAR	13	0041	0047	0106	N17	E22	9825	02	14.7	25	SF		1	E		16		F
0089	LEAR	13	0124	0125U	0137	N17	E18	9822	02	14.4	13	SF		1	E		59		F
0090	LEAR	13	0125	0133	0147	N15	E20	9825	02	14.6	22	SF		2	E		43		F
0091	LEAR	13	0249	0315	0339	N11	E24	9825	02	14.9	50	SF		2	E		51		F
0092	MITK	13	0303	0305	0321	N17	E20	9822	02	14.6	18	SN			C	0312	46	0.5	D
0093	LEAR	13	0640	0642	0646	N16	E18	9825	02	14.6	6	SF		2	E		14		
0094		13	06587	07121	0758	N17	E18	9825	02	14.6	60	1N					76		FH
	LEAR	13	0658	0712	0801	N17	E18	9825	02	14.6	63	1N		2	E		101		FH
	SVTO	13	0705	0713	0754	N17	E17	9825	02	14.6	49	SF		2	E		50		F
0095	LEAR	13	0701	0712	0727	N16	E16	9822	02	14.5	26	SF		2	E		50		F
0096	KANZ	13	0741E		0759	N18	E16	9822	02	14.5	18D	1F		2	E				
0097		13	08531	0855	0910	N11	E22	9825	02	15.0	17	SF					43		F
	KANZ	13	0853	0855	0905	N11	E21	9825	02	14.9	12	SF		2	E				
	SVTO	13	0854	0855	0916	N11	E23	9825	02	15.1	22	SF		3	E		43		F
0098	KANZ	13	0856	0859	0913	N17	E14	9822	02	14.4	17	SF		2	E				
0099		13	09341	09417	1000	N17	E12	9822	02	14.3	26	SF					22		FH
	KANZ	13	0934	0941	1014	N17	E13	9822	02	14.4	40	SF		2	E				
	SVTO	13	0934	0948	0955	N18	E11	9822	02	14.2	21	SF		3	E		30		FH
	LEAR	13	0935	0947	0952	N17	E13	9822	02	14.4	17	SF		2	E		14		F
0100	SVTO	13	0942	0952	1015	N16	E17	9825	02	14.7	33	SF		3	E		27		
0101	SVTO	13	1001	1004	1014	N17	E13	9822	02	14.4	13	SF		3	E		24		
0102	SVTO	13	1330	1330	1335	N11	E20	9825	02	15.1	5	SF		3	E		13		
		13	2213		2219	No Flare Patrol													
		13	2247		2248	No Flare Patrol													
0103	LEAR	13	2333	2335	2340	N12	E14	9825	02	15.0	7	SF		2	E		19		F
0104	LEAR	14	0110	0110	0116	N15	W05	9822	02	13.7	6	SF		2	E		10		
0105	LEAR	14	0117	0118	0123	S21	W02	9826	02	13.9	6	SF		2	E		21		
0106	LEAR	14	0138	0141	0153	N18	E04	9822	02	14.4	15	1F		2	E		104		F
0107	LEAR	14	0347	0347	0355	N12	E11	9825	02	15.0	8	SF		2	E		53		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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0108	LEAR	14	0629	0629	0633	N16	E06	9825	02 14.7	4	SF		3	E		15		
0109	SVTO	14	0834	0834	0839	N11	E13	9825	02 15.3	5	SF		3	E		15		F
0110	SVTO	14	1008	1010	1023	N12	E08	9825	02 15.0	15	SF		2	E		29		F
		14	1031		1111	No Flare Patrol												
0111		14	13511	1354	1409	N12	E06	9825	02 15.0	18	SF					76		F
	RAMY	14	1351	1354	1409	N11	E07	9825	02 15.1	18	SF		3	E		70		F
	SVTO	14	1352	1354	1409	N12	E05	9825	02 14.9	17	SF		3	E		81		F
0112	RAMY	14	1706	1708	1713	N11	E04	9825	02 15.0	7	SF		3	E		19		F
0113	LEAR	15	0024	0025	0028	S03	E76	9829	02 20.7	4	SF		2	E		32		F
0114	LEAR	15	0156	0207	0216	N20	W12	9822	02 14.2	20	SF		2	E		35		F
0115	LEAR	15	0210	0210	0215	N09	W09	9825	02 14.4	5	SF		2	E		19		F
0116	LEAR	15	0311	0312	0415	N21	W09	9825	02 14.4	64	SF		3	E		28		F
0117	LEAR	15	0713	0714	0730	N21	W11	9825	02 14.4	17	SF		3	E		31		F
		15	1020		1158	No Flare Patrol												
0118		15	17311	1733	1740	S11	W76	9821	02 10.0	9	SF					16		
	RAMY	15	1731	1733	1742	S09	W77	9821	02 9.9	11	SF		3	E		17		
	HOLL	15	1732	1733	1739	S13	W74	9821	02 10.1	7	SF		3	E		16		
		15	1950		2216	No Flare Patrol												
		15	2233		2243	No Flare Patrol												
		16	1026		1205	No Flare Patrol												
0119	HOLL	16	2227	2228	2231	S17	E45	9830	02 20.3	4	SF		3	E		14		
0120	HOLL	16	2241	2242	2313D	S29	W68	9819	02 11.6	32D	SF		3	E		17		
		16	2251		2303	No Flare Patrol												
0121	LEAR	17	0240	0240	0243	S18	E39	9830	02 20.1	3	SF		3	E		22		FH
0122	LEAR	17	0318	0318	0326	S18	E38	9830	02 20.0	8	SF		3	E		11		F
0123	LEAR	17	0620	0624	0627	S16	E39	9830	02 20.2	7	SF		3	E		10		
0124	LEAR	17	0728	0743	0801	S17	E36	9830	02 20.0	33	SF		3	E		26		F
		17	1039		1123	No Flare Patrol												
		17	1134		1201	No Flare Patrol												
0125	RAMY	17	1452	1457	1515	S20	E34	9830	02 20.2	23	SF		3	E		27		
		17	1658		1706	No Flare Patrol												
		17	1807		1838	No Flare Patrol												
0126		17	19015	1921*	1947	S18	E31	9830	02 20.1	46	SF					42		FH
	RAMY	17	1901	1933	1948	S19	E30	9830	02 20.1	47	SF		3	E		39		F
	HOLL	17	1906	1921	1946	S18	E32	9830	02 20.2	40	SF		3	E		46		FH
		17	1903		1909	No Flare Patrol												
0127		17	20171	2021*	2032	S18	E30	9830	02 20.1	15	SF					46		F
	RAMY	17	2017	2032	2035	S19	E29	9830	02 20.0	18	SF		3	E		45		F
	HOLL	17	2018	2021	2029	S18	E30	9830	02 20.1	11	SF		3	E		47		F
0128	HOLL	17	2214	2216	2220	S17	E28	9830	02 20.0	6	SF		3	E		20		
0129	LEAR	18	0747	0757	0822	S06	E34	9829	02 20.9	35	1F		3	E		140		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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0130	KANZ	18	0815E	0815U	0824	S05	E35	9829	02 21.0	9D	SN		2	E				
0131		18	08322	0846	0905	S19	E20	9830	02 19.9	33	SF					42		F
	KANZ	18	0832	0844U	0854D	S19	E20	9830	02 19.9	22D	SF		2	E				
	LEAR	18	0834	0846	0905	S19	E21	9830	02 19.9	31	SF		3	E		42		F
		18	1030		1120	No Flare Patrol												
0132	RAMY	18	1345	1345	1349	N22	W56	9822	02 14.3	4	SF		3	E		26		
0133	RAMY	18	1448	1449	1451	N20	W58	9822	02 14.2	3	SF		3	E		12		
		18	2031		2036	No Flare Patrol												
0134	RAMY	18	2046	2052	2137	S20	E16	9830	02 20.1	51	SF		3	E		39		F
		18	2208		2215	No Flare Patrol												
		18	2224		2238	No Flare Patrol												
0135	HOLL	18	2319E	2332U	2334D	S17	E14	9830	02 20.0	15D	SF		3	E		31		F
0136	LEAR	19	0046	0047	0053	S18	E13	9830	02 20.0	7	SF		3	E		11		
0137	LEAR	19	0526	0529	0532	S17	E10	9830	02 20.0	6	SF		3	E		10		F
0138	LEAR	19	0557	0557	0600	S20	E16	9830	02 20.5	3	SF		3	E		17		
0139	LEAR	19	0625	0625	0633	S20	E16	9830	02 20.5	8	SF		3	E		24		F
0140	LEAR	19	0734	0735	0738	S20	E15	9830	02 20.5	4	SF		3	E		14		F
		19	1117		1120	No Flare Patrol												
		19	1222		1228	No Flare Patrol												
		19	1230		1238	No Flare Patrol												
		19	1248		1334	No Flare Patrol												
		19	1446		1514	No Flare Patrol												
0141	HOLL	19	1601	1602	1607	N18	W66	9825	02 14.6	6	1F		3	E		141		
0142	HOLL	19	2317	2319	2323	S13	W59	9828	02 15.5	6	SF		3	E		12		
0143	HOLL	20	0001	0004	0009	S13	W59	9828	02 15.5	8	SF		3	E		44		
0144	LEAR	20	0111	0116	0131	S16	W02	9830	02 19.9	20	SF		3	E		80		F
0145	LEAR	20	0247	0254	0307	N15	W58	9825	02 15.7	20	SF		3	E		82		F
0146	LEAR	20	0555	0611	0628	N12	W72	9825	02 14.8	33	1N		3	E		114		EF
0147	LEAR	20	0632	0632	0637	S21	E02	9830	02 20.4	5	SF		3	E		19		
0148	LEAR	20	0643	0644	0647	N17	W79	9825	02 14.3	4	SF		3	E		25		F
0149		20	0743	0745	0752	N19	W82	9825	02 14.1	9	SF					42		
	SVTO	20	0743	0745	0752	N21	W83	9825	02 13.9	9	SF		3	E		38		
	LEAR	20	0743	0745	0753	N17	W81	9825	02 14.2	10	SF		3	E		47		
0150		20	0755	0757	0800	N20	W81	9825	02 14.1	5	SF					26		H
	SVTO	20	0755	0757	0759	N21	W82	9825	02 14.0	4	SF		3	E		22		
	LEAR	20	0755	0757	0801	N18	W80	9825	02 14.2	6	SF		3	E		29		H
0151	LEAR	20	1001	1001	1007	N18	W83	9825	02 14.1	6	SF		3	E		20		
0152	SVTO	20	1106	1107	1111	N15	W77	9825	02 14.6	5	SF		3	E		19		F
0153	SVTO	20	1136	1139	1144	N21	W87	9825	02 13.8	8	SF		3	E		35		
0154	SVTO	20	1410	1411	1419	S18	W08	9830	02 20.0	9	SF		3	E		26		F
		20	1604		1616	No Flare Patrol												

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0155	HOLL	20	1620	1627U	1647	S16	W12	9830	02	19.8	27	1N		3	E		203		F
0156	RAMY	20	1712	1712	1714	S09	W62	9831	02	16.1	2	SF		3	E		14		
		20	1801		1806	No Flare Patrol													
0157	HOLL	20	2103	2108	2156	S18	W11	9830	02	20.0	53	1B		3	E		247		F
0158	HOLL	20	2118	2125	2129	S08	W60	9831	02	16.4	11	SF		3	E		11		
0159	HOLL	20	2152	2159	2228	S10	W61	9835	02	16.3	36	SF		3	E		15		
0160	HOLL	20	2338	2342	2348	S16	W12	9830	02	20.1	10	SF		3	E		23		
0161	SVTO	21	0828	0839	0843	S07	W71	9835	02	16.0	15	SF		3	E		11		
		21	0900		0910	No Flare Patrol													
0162	SVTO	21	0931E	0931U	0939D	N12	W83	9825	02	15.1	8D	SF		2	E		40		
		21	1015		1016	No Flare Patrol													
		21	1019		1110	No Flare Patrol													
		21	1118		1122	No Flare Patrol													
0163	RAMY	21	1205	1207	1214	S09	W70	9835	02	16.2	9	1F		3	E		111		
		21	1215		1235	No Flare Patrol													
0164	RAMY	21	1346	1347	1351	S08	W71	9835	02	16.2	5	SF		3	E		20		
0165		21	1413	1416	1424	S10	W72	9835	02	16.2	11	SF					56		
	HOLL	21	1400E	1415U	1422D	S12	W71	9835	02	16.2	22D	SF		2	E		90		
	RAMY	21	1413	1416	1424	S08	W72	9835	02	16.2	11	SF		3	E		22		
0166		21	1648	1649	1656	S18	W22	9830	02	20.0	8	SF					42		FH
	HOLL	21	1648	1649U	1656	S18	W22	9830	02	20.0	8	SF		3	E		50		FH
	RAMY	21	1648	1649	1656	S17	W23	9830	02	19.9	8	SF		3	E		35		FH
0167		21	21011	21021	2111	S08	W73	9835	02	16.4	10	SF					27		
	HOLL	21	2101	2102	2114	S08	W71	9835	02	16.5	13	SF		3	E		33		
	RAMY	21	2102	2103	2108	S07	W75	9835	02	16.2	6	SF		3	E		21		
0168	HOLL	21	2133	2134	2138	S08	W72	9835	02	16.5	5	SF		3	E		22		
0169	HOLL	21	2349	2356	2402	S08	W73	9835	02	16.5	13	SF		3	E		59		
0170		21	23513	2358	2505	S18	W24	9830	02	20.2	74	2N					197		FU
	HOLL	21	2351	2414U	2427D	S16	W27	9830	02	19.9	36D	2N		3	E		292		F
	LEAR	21	2354	2358	2505	S20	W20	9830	02	20.5	71	1F		3	E		102		UF
0171	HOLL	21	2353	2353	2406	S06	W12	9829	02	21.1	13	SF		3	E		12		
0172		21	23542	2358	2413	S13	W16	9832	02	20.8	19	SF					40		F
	HOLL	21	2354	2358	2425	S12	W15	9832	02	20.9	31	SF		3	E		48		F
	LEAR	21	2356	2358	2401	S14	W17	9832	02	20.7	5	SF		3	E		33		F
0173	MITK	22	0008	0009	0011	S18	W23	9830	02	20.2	3	SN			C	0009	40	0.5	B
0174	LEAR	22	0801	0805	0817	S18	W30	9830	02	20.0	16	SF		3	E		13		H
0175	KANZ	22	1110	1111	1121	N09	E52	9837	02	26.4	11	SF		2	E				
0176	HOLL	22	1457	1457	1502	S20	W34	9830	02	20.0	5	SF		3	E		27		
0177		22	19351	1936	1945	N08	E48	9837	02	26.4	10	SF					32		F
	HOLL	22	1935	1936	1946	N10	E49	9837	02	26.5	11	SF		3	E		34		F
	RAMY	22	1936	1936	1944	N07	E48	9837	02	26.4	8	SF		3	E		29		F
0178	HOLL	22	2205	2208	2217	S17	W40	9830	02	19.9	12	SF		3	E		48		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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0179	HOLL	22	2231	2235	2251	S21	W33	9830	02 20.4	20	SF		3	E		26		F
0180	HOLL	22	2240	2240	2248	N11	E47	9837	02 26.5	8	SF		3	E		22		F
0181	LEAR	23	0439	0440	0446	S16	W10	9839	02 22.4	7	SF		3	E		11		
0182	LEAR	23	0619	0625	0701	S18	W26	9841	02 21.3	42	SF		2	E		26		F
0183	SVTO	23	0649E	0649U	0710D	S19	W27	9841	02 21.2	21D	SF		2	E		20		
0184	KANZ	23	0809	0812	0822	S22	W35	9841	02 20.6	13	SF		2	E				
0185	SVTO	23	0810	0811	0823	S20	W36	9830	02 20.6	13	SF		3	E		26		
0186	SVTO	23	0825	0825	0830	S20	W37	9830	02 20.5	5	SF		3	E		12		
0187	KANZ	23	1111	1112	1120	S22	W38	9841	02 20.5	9	SF		2	E				
0188	RAMY	23	1116E	1121U	1138D	S20	W27	9835	02 21.4	22D	SF		3	E		80		F
0189	RAMY	23	1153	1157	1212	S19	W43	9830	02 20.2	19	SF		3	E		26		F
		23	1350		1356	No Flare Patrol												
0190		23	1356	1356	1413	S20	W44	9830	02 20.2	17	SF					18		
	RAMY	23	1356	1356	1413	S21	W43	9830	02 20.3	17	SF		3	E		15		
	SVTO	23	1357E	1358U	1416D	S20	W45	9830	02 20.1	19D	SF		2	E		21		
0191	HOLL	23	1559	1600	1603	S16	W16	9839	02 22.4	4	SF		3	E		17		
0192	HOLL	23	2249	2249	2318	S15	W47	9830	02 20.4	29	SF		3	E		64		
0193	LEAR	24	0236	0237	0247	N22	E27	9844	02 26.2	11	SF		3	E		11		FH
0194	LEAR	24	0435	0437	0441	S19	W52	9830	02 20.2	6	SF		3	E		16		F
0195	LEAR	24	0620	0621	0632	N23	E24	9844	02 26.1	12	SF		3	E		20		
0196	SVTO	24	0755	0755	0759	N21	E27	9844	02 26.4	4	SF		3	E		12		
		24	1150		1227	No Flare Patrol												
0197	KANZ	24	1248	1248	1259	N13	E62	9845	03 1.2	11	SF		2	E				
0198	HOLL	24	1440	1448	1515	S18	W44	9841	02 21.3	35	SF		3	E		74		F
0199	HOLL	24	1539	1541	1547	S19	W62	9830	02 19.9	8	SF		3	E		17		
0200	HOLL	24	1659	1659	1716	N18	E65	9845	03 1.6	17	SF		3	E		17		
0201	HOLL	24	1727	1730	1742	S14	W59	9830	02 20.3	15	SF		3	E		22		F
0202	HOLL	24	1733	1747	1759	N22	E19	9844	02 26.2	26	SF		3	E		11		
0203	HOLL	24	1808	1808	1823	S18	W33	9839	02 22.2	15	SF		3	E		10		
0204	HOLL	24	1908	1912	1916	N22	E18	9844	02 26.2	8	SF		3	E		21		
0205		24	20302	2043	2103	S18	W66	9830	02 19.8	33	SF					35		F
	HOLL	24	2030	2030U	2120D	S19	W65	9830	02 19.9	50D	SF		3	E		12		F
	RAMY	24	2032	2043	2103	S16	W68	9830	02 19.7	31	SF		3	E		58		F
0206	RAMY	24	2052	2054	2059	N21	E21	9844	02 26.5	7	SF		3	E		13		F
		24	2205		2211	No Flare Patrol												
0207	LEAR	25	0124	0124	0127	N21	E19	9844	02 26.5	3	SF		3	E		14		
		25	0248		0335	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	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0208	LEAR	25	0427	0430	0435	N21	E13	9844	02 26.2	8	SF		3	E		39		F
0209	LEAR	25	0523	0530	0533	S04	W47	9846	02 21.7	10	SF		3	E		27		FH
0210	LEAR	25	0710	0711	0721	S20	W63	9830	02 20.5	11	SF		3	E		25		F
0211	SVTO	25	0718	0719	0724	S13	W67	9830	02 20.2	6	SF		3	E		21		F
0212	SVTO	25	0739	0740	0742	S03	W49	9846	02 21.6	3	SF		3	E		16		
0213	SVTO	25	0753	0759	0818	S02	W48	9846	02 21.7	25	SF		3	E		17		F
0214	SVTO	25	0821	0837	0841	S02	W47	9846	02 21.8	20	SF		3	E		14		F
0215	SVTO	25	0841	0857	0915	S02	W48	9846	02 21.8	34	SF		3	E		20		
0216	SVTO	25	0931	0939	1017	S04	W40	9846	02 22.4	46	SF		3	E		76		F
0217		25	0937	09372	0943	S04	W50	9846	02 21.7	6	SF					23		F
	KANZ	25	0937	0937	0943	S04	W50	9846	02 21.7	6	SF		2	E				
	LEAR	25	0937	0939	0943	S04	W49	9846	02 21.7	6	SF		2	E		23		F
0218		25	1026*	1028*	1036	S02	W50	9846	02 21.7	10	SF					20		F
	SVTO	25	1026	1028	1031	S02	W49	9846	02 21.8	5	SF		3	E		14		F
	SVTO	25	1037	1039	1042	S02	W51	9846	02 21.6	5	SF		3	E		26		F
0219	KANZ	25	1040	1040	1044	S19	W71	9830	02 20.0	4	SF		2	E				
0220		25	1051	10521	1056	S14	W70	9830	02 20.2	5	SF					26		F
	KANZ	25	1051	1052	1054	S15	W68	9830	02 20.3	3	SF		2	E				
	SVTO	25	1051	1053	1058	S14	W71	9830	02 20.1	7	SF		3	E		26		F
0221		25	1203	12031	1214	S02	W51	9846	02 21.7	11	SF					13		F
	RAMY	25	1203	1203	1215	S01	W51	9846	02 21.7	12	SF		2	E		13		F
	KANZ	25	1203	1204	1213	S04	W51	9846	02 21.7	10	SF		2	E				
0222	SVTO	25	1308	1309	1320	S02	W51	9846	02 21.7	12	SF		3	E		16		F
0223	HOLL	25	1444	1444	1447	S03	W50	9846	02 21.9	3	SF		3	E		15		
0224	RAMY	25	1554	1554	1557	S16	W72	9830	02 20.2	3	SF		3	E		35		
0225	RAMY	25	1618	1620	1646	S02	W51	9846	02 21.9	28	SF		3	E		63		
0226	HOLL	25	1619	1620	1629	S04	W44	9846	02 22.4	10	SF		3	E		30		H
0227		25	1709*	17272	1740	S02	W51	9846	02 21.9	31	SF					48		FH
	RAMY	25	1709	1729	1743	S02	W51	9846	02 21.9	34	SF		3	E		65		FH
	HOLL	25	1725	1727	1738	S01	W51	9846	02 21.9	13	SF		3	E		32		FH
0228		25	17583	1802*	1826	S02	W52	9846	02 21.9	28	SF					30		H
	HOLL	25	1758	1802	1827	S02	W51	9846	02 21.9	29	SF		3	E		24		
	RAMY	25	1801	1816	1825	S02	W52	9846	02 21.9	24	SF		3	E		37		H
0229	HOLL	25	1900	1902	1907	S02	W52	9846	02 21.9	7	SF		3	E		12		
0230		25	19361	1938	1955	S02	W54	9846	02 21.8	19	SF					16		FH
	HOLL	25	1936	1938	1957	S02	W53	9846	02 21.8	21	SF		3	E		16		F
	RAMY	25	1937	1938	1953	S02	W55	9846	02 21.7	16	SF		3	E		16		FH
0231		25	1945	19461	1950	S15	W74	9830	02 20.2	5	SF					42		
	RAMY	25	1945	1946	1950	S15	W76	9830	02 20.1	5	SF		3	E		42		
	HOLL	25	1945	1947	1950	S15	W71	9830	02 20.4	5	SF		3	E		41		
0232	RAMY	25	2010	2012	2014	S14	W74	9830	02 20.2	4	SF		3	E		29		
0233	HOLL	25	2044	2044	2051	S07	W58	9829	02 21.5	7	SF		3	E		26		
0234	RAMY	25	2126	2127	2131	S14	W75	9830	02 20.2	5	SF		3	E		38		FH

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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0235	HOLL	25	2221	2221	2224	S02	W54	9846	02 21.9	3	SF		3	E		16		
0236	HOLL	25	2249	2250	2253	S18	W78	9830	02 20.0	4	SF		3	E		16		H
0237	HOLL	25	2334	2336	2340	S04	W48	9846	02 22.4	6	SF		3	E		14		
		26	0246		0253	No Flare Patrol												
		26	0343		0413	No Flare Patrol												
		26	0422		0538	No Flare Patrol												
		26	0548		0605	No Flare Patrol												
0238	SVTO	26	0652	0652	0658	N13	E40	9845	03 1.3	6	SF		3	E		12		
0239	SVTO	26	0654	0656	0702	S18	W53	9839	02 22.2	8	SF		3	E		54		
0240		26	1027	1027	1032	S14	W84	9830	02 20.1	5	SF					84		
	SVTO	26	1027	1027	1030	S13	W89	9830	02 19.7	3	SF		3	E		84		
	KANZ	26	1027	1027	1033	S15	W80	9830	02 20.4	6	SF		2	E				
		26	1127		1219	No Flare Patrol												
		26	1241		1310	No Flare Patrol												
		26	1314		1353	No Flare Patrol												
0241	HOLL	26	1354E	1400U	1415	N13	E29	9845	02 28.8	21D	SF		1	E		70		
0242	SVTO	26	1355E	1356U	1407	N13	E36	9845	03 1.3	12D	SF		3	E		52		F
0243	HOLL	26	1458	1459	1504	S20	W55	9839	02 22.4	6	SF		3	E		38		
0244	HOLL	26	1526	1527	1537	S19	W46	9842	02 23.1	11	SF		3	E		13		
0245		26	1917	1917	1924	N11	W04	9837	02 26.5	7	SF					23		F
	HOLL	26	1917	1917	1921	N11	W03	9837	02 26.6	4	SF		3	E		18		F
	RAMY	26	1917	1917	1927	N11	W06	9837	02 26.3	10	SF		3	E		28		F
0246	LEAR	27	0048	0048	0057	S19	W61	9839	02 22.4	9	SF		3	E		11		
0247	LEAR	27	0446	0452	0505	N13	E26	9845	03 1.2	19	SF		3	E		22		F
		27	0651		0659	No Flare Patrol												
0248	SVTO	27	1153	1153	1158	N23	W15	9844	02 26.3	5	SF		3	E		13		
		27	1258		1321	No Flare Patrol												
0249	SVTO	27	1327	1328	1334	S17	W68	9839	02 22.4	7	SF		3	E		12		
0250	SVTO	27	1341	1345	1357	S17	W68	9839	02 22.4	16	SF		3	E		21		
0251	SVTO	27	1405	1405	1410	N23	W14	9844	02 26.5	5	SF		3	E		13		
0252	RAMY	27	1556	1603	1611	S18	W69	9839	02 22.4	15	SF		3	E		53		FH
0253	RAMY	27	2052	2053	2109	S18	W73	9839	02 22.3	17	SF		3	E		41		FH
		27	2149		2200	No Flare Patrol												
		27	2215		2245	No Flare Patrol												
		27	2306		2310	No Flare Patrol												
		27	2325		2336	No Flare Patrol												
0254	LEAR	28	0238	0238	0245	N22	W24	9844	02 26.3	7	SF		3	E		14		F
0255	LEAR	28	0523	0532	0557	N22	W25	9844	02 26.3	34	SF		3	E		34		F
0256	LEAR	28	0711	0711	0721	S19	E02	9848	02 28.4	10	SF		3	E		13		F
0257	SVTO	28	0925	0927	0938	S21	E02	9848	02 28.5	13	SF		3	E		37		F
		28	1226		1305	No Flare Patrol												
		28	1349		1449	No Flare Patrol												

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		28	1549		1625	No Flare Patrol												
0258	RAMY	28	1656	1656	1700	N19	W84	9842B	02 22.3	4	SF		3	E		12		
0259	RAMY	28	1704	1706	1710	N19	W84	9842B	02 22.3	6	SF		3	E		45		
0260	RAMY	28	1714	1715	1718	N19	W85	9842B	02 22.2	4	SF		3	E		19		
0261		28	19017	19101	1932	N22	W32	9844	02 26.3	31	SF					67		F
	RAMY	28	1901	1911	1942	N23	W33	9844	02 26.2	41	SF		3	E		90		F
	HOLL	28	1908	1910	1921	N22	W30	9844	02 26.5	13	SF		3	E		44		F
		28	1955		2020	No Flare Patrol												
		28	2033		2044	No Flare Patrol												
		28	2115		2200	No Flare Patrol												
		28	2206		2240	No Flare Patrol												
		28	2245		2317	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