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Dec 01

H α S O L A R F L A R E S

DECEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	LEAR	01	0102	0105	0115	S10	W72	9714	11 25.7	13	SF		3	E		42		
0002	LEAR	01	0156	0157	0201	N02	W10	9715	11 30.3	5	SF		3	E		29		F
0003	LEAR	01	0305	0306	0311	S09	W73	9714	11 25.7	6	SF		2	E		18		
0004	LEAR	01	0325	0328	0331	S10	W72	9714	11 25.8	6	SF		2	E		20		
0005	LEAR	01	0420	0435	0640	S09	W74	9714	11 25.7	140	2F		3	E		351		F
0006	LEAR	01	0640	0641	0651	S10	W75	9714	11 25.7	11	SF		3	E		39		
0007	LEAR	01	0652	0709	0810	S09	W75	9714	11 25.7	78	1F		3	E		243		F
0008	LEAR	01	0649	0650	0734	S06	E42	9718	12 4.4	45	2N		3	E		276		F
0009		01	08265	0835	0904	S12	W75	9714	11 25.8	38	SF					70		F
	LEAR	01	0826	0835	0904	S12	W75	9714	11 25.8	38	SF		2	E		70		F
	KANZ	01	0831	0835	0905	S12	W75	9714	11 25.8	34	SF		2	E				
0010	KANZ	01	0841	0842	0851	N02	E31	9717	12 3.7	10	SF		2	E				
0011	KANZ	01	0900	0900	0901	N02	W14	9716	11 30.3	1	SF		2	E				
0012		01	0949	0949	0952	S10	W76	9714	11 25.8	3	SF					26		
	KANZ	01	0949	0949	0952	S09	W77	9714	11 25.7	3	SF		2	E				
	LEAR	01	0949	0949	0953	S10	W76	9714	11 25.8	4	SF		2	E		26		
0013	KANZ	01	1005	1005	1020	S08	W05	9716	12 1.0	15	SF		2	E				
0014	KANZ	01	1109	1109	1114	N01	E28	9717	12 3.5	5	SF		2	E				
0015		01	11241	1126	1134	S10	W76	9714	11 25.9	10	SF					57		
	KANZ	01	1124	1126	1132	S09	W77	9714	11 25.8	8	SF		2	E				
	RAMY	01	1125	1126	1135	S10	W75	9714	11 25.9	10	SF		3	E		57		
0016	RAMY	01	1206	1206	1209	S12	W79	9714	11 25.6	3	SF		3	E		35		
0017		01	12141	1216	1250	N02	W16	9715	11 30.3	36	SF					17		F
	KANZ	01	1214	1216	1301	N02	W17	9715	11 30.2	47	SF		2	E				
	RAMY	01	1215	1216	1239	N01	W16	9715	11 30.3	24	SF		3	E		17		F
0018	KANZ	01	1216	1216	1231	S18	E44	9720	12 4.9	15	SF		2	E				
0019	RAMY	01	1432	1435	1438	S10	W78	9714	11 25.8	6	SF		3	E		49		
0020	RAMY	01	1434	1435	1446	N02	E29	9717	12 3.8	12	SF		3	E		18		
0021	HOLL	01	1653	1655	1705	S08	W80	9714	11 25.8	12	SF		3	E		71		
0022	HOLL	01	1725	1726	1732	S08	W82	9714	11 25.7	7	SF		3	E		26		
0023		01	17411	17422	1800	N10	E79	9724	12 7.7	19	SF					64		F
	HOLL	01	1741	1742	1808	N10	E78	9724	12 7.6	27	SF		3	E		76		F
	RAMY	01	1742	1744	1752	N10	E80	9724	12 7.7	10	SF		3	E		51		
0024	HOLL	01	1743	1743	1749	N01	E22	9717	12 3.4	6	SF		3	E		28		F
0025	HOLL	01	1729	1731	1741	S07	E36	9718	12 4.4	12	1F		3	E		109		F
0026		01	17453	1750	1755	S06	E36	9718	12 4.4	10	SF					46		F
	HOLL	01	1745	1750	1757	S07	E35	9718	12 4.4	12	SF		3	E		58		F
	RAMY	01	1748	1750	1753	S06	E36	9718	12 4.4	5	SF		3	E		35		
0027	HOLL	01	1835	1838	1841	S08	W82	9714	11 25.7	6	SF		3	E		15		
0028	HOLL	01	1922	1923	1931	S09	W82	9714	11 25.7	9	SF		3	E		18		
0029	HOLL	01	1954	2006	2019	S09	W83	9714	11 25.7	25	SF		3	E		36		

Dec 01

Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Corr	Remarks
								Region						Mo	Day		
0030	RAMY	01	2007	2012	2016	S10	W83	9714	11	25.7	9	SF		3	E	81	
0031	HOLL	01	2048	2101	2108	S06	E33	9718	12	4.3	20	SF		3	E	21	F
0032	HOLL	01	2300	2301	2308	S08	W79	9714	11	26.1	8	SF		3	E	52	
0033		02	00421	00454	0056	S08	W86	9714	11	25.7	14	1N				62	6.9
	VORO	02	0042	0049	0057	S07	W89	9714	12	25.3	15	1N	3	C	0049	99	6.9
	LEAR	02	0043	0045	0056	S09	W84	9714	11	25.8	13	SF	3	E		24	
0034	LEAR	02	0241	0243	0246	S09	W83	9714	11	26.0	5	SF		3	E	40	
0035		02	0330	03334	0346	N04	E17	9717	12	3.4	16	1N				110	1.2
	LEAR	02	0330	0333	0346	N04	E17	9717	12	3.4	16	1F	3	E		107	FH
	URUM	02	0337E	0337	0337D	N03	E17	9717	12	3.4	16D	SN		P		113	1.2 E
0036	LEAR	02	0709E	0711	0722	S02	W40	9715	11	29.4	13D	1F		1	E	126	F
0037	KANZ	02	0840	0840	0848	N02	W29	9716	11	30.2	8	SF		2	E		
0038		02	10561	11001	1116	N03	E13	9717	12	3.4	20	SF				47	FH
	KANZ	02	1056	1100	1116	N02	E12	9717	12	3.3	20	1F	2	E			
	SVTO	02	1057	1101	1116	N03	E13	9717	12	3.4	19	SF	3	E		44	FH
	RAMY	02	1058E	1100U	1112D	N03	E13	9717	12	3.4	14D	SN	3	E		50	H
0039		02	11322	11372	1158	S06	E23	9718	12	4.2	26	SF				29	F
	KANZ	02	1132	1137	1156	S06	E23	9718	12	4.2	24	SF	2	E			
	SVTO	02	1134	1139	1159	S06	E23	9718	12	4.2	25	SF	3	E		29	F
0040		02	12163	12212	1246	N05	W29	9715	11	30.3	30	SF				52	F
	KANZ	02	1216	1223	1246	N06	W29	9715	11	30.3	30	SF	2	E			
	RAMY	02	1219	1221	1241	N04	W30	9715	11	30.3	22	SF	3	E		56	F
	SVTO	02	1219	1223	1250	N05	W29	9715	11	30.3	31	SF	3	E		47	F
0041		02	1444*	1456	1508	N06	W32	9715	11	30.2	24	SF				22	
	HOLL	02	1444	1456	1505	N07	W31	9715	11	30.3	21	SF	3	E		33	
	RAMY	02	1456	1456	1510	N04	W33	9715	11	30.1	14	SF	3	E		12	
0042		02	15321	1534	1606	N04	E09	9717	12	3.3	34	SF				76	F
	HOLL	02	1532	1534	1553	N04	E09	9717	12	3.3	21	SF	3	E		85	F
	RAMY	02	1533	1534	1619	N04	E09	9717	12	3.3	46	SF	3	E		68	
0043	HOLL	02	1637	1637	1643	S05	E20	9718	12	4.2	6	SF		3	E	13	F
0044	HOLL	02	1841	1855	1943	N07	W33	9715	11	30.3	62	SF		3	E	73	F
0045	HOLL	02	1951	1954	2005	N02	E12	9717	12	3.7	14	SF		3	E	45	F
0046	HOLL	02	2014	2015	2025	N06	W33	9715	11	30.4	11	SF		3	E	17	
0047	HOLL	02	2050	2055	2118	N06	W32	9715	11	30.5	28	SF		3	E	43	F
0048	HOLL	02	2225	2226	2229	N07	W35	9715	11	30.3	4	SF		3	E	27	
0049	HOLL	02	2225	2226	2228	S05	W21	9716	12	1.4	3	SF		3	E	20	
0050	LEAR	03	0012	0013	0022	N07	W36	9715	11	30.3	10	SF		2	E	33	H
0051	LEAR	03	0016	0016	0020	S06	W21	9716	12	1.4	4	SF		2	E	16	F
0052	LEAR	03	0246	0248	0302	S07	W22	9716	12	1.5	16	SF		1	E	37	F
		03	0304		0325	No Flare Patrol											
		03	0359		0419	No Flare Patrol											
0053	LEAR	03	0556	0557	0600	S01	W42	9715	11	30.1	4	SF		2	E	27	F
0054	LEAR	03	0608	0609	0611	S07	W25	9716	12	1.4	3	SF		2	E	15	F
		03	0633		0708	No Flare Patrol											

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H α SOLAR FLARES

DECEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0055	LEAR	03	0709E	0711	0722	S02	W40	9715	11	30.3	13D	1F		1	E		126		F
0056	KANZ	03	0833	0835	0837	N01	W40	9716	11	30.4	4	SF		2	E				
0057		03	09105	09182	0936	S06	E12	9718	12	4.3	26	SF					13		F
	KANZ	03	0910	0918	0935	S06	E11	9718	12	4.2	25	SF		2	E				
	SVTO	03	0915	0920	0936	S07	E12	9718	12	4.3	21	SF		3	E		13		F
0058		03	09587	1005	1019	N05	W41	9715	11	30.3	21	SF					26		F
	SVTO	03	0958	1005	1022	N04	W41	9715	11	30.3	24	SF		3	E		26		F
	KANZ	03	1005	1005	1016	N06	W41	9715	11	30.3	11	SF		2	E				
0059		03	10511	10541	1102	N01	W44	9715	11	30.2	11	SF					27		F
	KANZ	03	1051	1054	1101	N01	W44	9715	11	30.2	10	SF		2	E				
	SVTO	03	1052	1055	1102	N01	W43	9715	11	30.2	10	SF		3	E		27		F
0060	KANZ	03	1158	1204	1216	S18	E20	9720	12	5.0	18	SF		2	E				
0061		03	12201	12241	1229	S04	W28	9716	12	1.4	9	SF					27		F
	KANZ	03	1220	1224	1230	S05	W27	9716	12	1.5	10	SF		2	E				
	RAMY	03	1221	1225	1228	S04	W28	9716	12	1.4	7	SF		3	E		27		F
0062	KANZ	03	1259	1307	1323	N12	E20	9721	12	5.0	24	SF		2	E				
0063	KANZ	03	1319	1320	1337	S10	E04	9718	12	3.8	18	SF		2	E				
0064		03	1453	1453	1505	S04	W29	9716	12	1.4	12	SF					18		F
	RAMY	03	1453	1453	1501	S04	W29	9716	12	1.4	8	SF		3	E		12		
	HOLL	03	1453	1453	1509	S05	W29	9716	12	1.4	16	SF		3	E		25		F
0065		03	16193	1623	1638	S06	E08	9718	12	4.3	19	SF					18		F
	HOLL	03	1619	1623	1639	S06	E09	9718	12	4.3	20	SF		3	E		22		F
	RAMY	03	1622	1623	1636	S07	E08	9718	12	4.3	14	SF		3	E		13		F
0066	HOLL	03	1703	1706	1734	S06	E08	9718	12	4.3	31	SF		3	E		32		F
0067	HOLL	03	1823	1824	1826	S11	W53	9725	11	29.9	3	SF		3	E		19		
0068	HOLL	03	1830	1832	1931	S06	E07	9718	12	4.3	61	SF		3	E		54		F
0069	HOLL	03	1848	1849	1855	N06	W44	9715	11	30.5	7	SF		3	E		30		F
0070	LEAR	04	0042E	0043U	0112	S05	E03	9718	12	4.2	30D	SF		1	E		87		F
0071		04	0039*	0125	0140	S05	E00	9718	12	4.0	61	1N					110	2.0	F
	VORO	04	0039	0125	0151	S06	E00	9718	12	04.2	72	1N		3	C	0125	197	2.0	F
	LEAR	04	0123	0125	0130	S04	E00	9718	12	4.0	7	SF		1	E		22		F
0072	LEAR	04	0131	0132	0138	S09	W60	9725	11	29.6	7	SF		2	E		16		F
0073	LEAR	04	0203	0207	0221	S02	W38	9716	12	1.2	18	SF		1	E		48		F
0074	LEAR	04	0255	0300	0307	S10	W61	9725	11	29.6	12	SF		2	E		16		
0075	LEAR	04	0312	0313	0314	S09	W62	9725	11	29.6	2	SF		2	E		26		F
		04	0334		0617	No Flare Patrol													
0076	LEAR	04	0618E	0619U	0624	S05	W04	9718	12	4.0	6D	SF		2	E		17		
0077		04	0728	07305	0752	S05	W02	9718	12	4.2	24	SF					38		F
	SVTO	04	0728	0730	0752	S06	W02	9718	12	4.2	24	SF		3	E		25		F
	LEAR	04	0728	0735	0752	S04	W01	9718	12	4.2	24	SF		2	E		50		F
0078		04	0741	07431	0748	N04	W12	9717	12	3.4	7	SF					12		F
	LEAR	04	0741	0743	0747	N03	W11	9717	12	3.5	6	SF		2	E		13		F
	SVTO	04	0741	0744	0750	N04	W13	9717	12	3.3	9	SF		3	E		12		F
0079	SVTO	04	0859E	0859U	0912	S05	W02	9718	12	4.2	13D	SF		2	E		36		

DECEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Corr	Remarks
								USAF						Region	Mo		
			04 0924		1002	No	Flare	Patrol									
			04 1016		1101	No	Flare	Patrol									
0080	RAMY	04	1145	1148	1216	S07	W04	9718	12	4.2	31	SF		3	E		F
0081		04	19231	19242	1934	S06	W41	9716	12	1.7	11	SF				19	F
	RAMY	04	1923	1924	1934	S05	W41	9716	12	1.7	11	SF		3	E	54	F
	HOLL	04	1924	1926	1934	S06	W41	9716	12	1.7	10	SF		3	E	56	F
0082	HOLL	04	2157	2158	2204	S07	W07	9718	12	4.4	7	SF		3	E	53	F
0083	LEAR	05	0311	0311	0318	S06	W47	9716	12	1.6	7	SF		3	E	16	
0084	LEAR	05	0352	0355	0406	S06	W50	9716	12	1.4	14	SF		3	E	24	F
0085	LEAR	05	0656	0656	0701	S07	W48	9716	12	1.7	5	SF		3	E	25	
		05	0712		0826	No	Flare	Patrol								17	
		05	0842		0918	No	Flare	Patrol									
		05	0929		0949	No	Flare	Patrol									
		05	1000		1124	No	Flare	Patrol									
0086	RAMY	05	1144	1144	1149	N04	W71	9715	11	30.2	5	SF		3	E		
0087	HOLL	05	1511	1511	1513	N02	W74	9715	11	30.1	2	SF		3	E	27	
0088	HOLL	05	1726	1730	1741	S06	W54	9716	12	1.7	15	1F		3	E	13	
0089		05	1847	18471	1906	S21	E48	9727	12	9.5	19	SF				176	F
	HOLL	05	1847	1847	1852	S20	E48	9727	12	9.4	5	SF		3	E	22	
	RAMY	05	1847	1848	1920	S22	E47	9727	12	9.4	33	SF		3	E	22	
0090	HOLL	05	1904	1905	1908	S20	E47	9727	12	9.4	4	SF		3	E	22	
0091	RAMY	05	2037	2037	2042	S05	W23	9718	12	4.1	5	SF		3	E	18	
		05	2144		2211	No	Flare	Patrol								13	F
0092	HOLL	05	2207E	2208U	2215D	S21	E41	9727	12	9.1	8D	SF		3	E		
0093	HOLL	05	2216	2216	2240D	S22	E44	9727	12	9.3	24D	1F		3	E	40	
0094	LEAR	05	2323	2323	2332	S19	E40	9727	12	9.0	9	SF		3	E	105	F
0095	LEAR	06	0051	0051	0055	N35	W22	9728	12	4.3	4	SF		3	E	19	
0096	LEAR	06	0807	0823	0918	S19	E34	9727	12	8.9	71	2F		3	E	15	
0097		06	0836E	0840U	0916	S20	E32	9727	12	8.8	40D	1F				356	F
	KANZ	06	0836E		0916	S19	E33	9727	12	8.9	40D	2F		2	E	35	F
	SVTO	06	0838E	0840U	0851D	S20	E31	9727	12	8.7	13D	SF		2	E	35	F
		06	0952		1003	No	Flare	Patrol									
		06	1011		1054	No	Flare	Patrol									
		06	1108		1112	No	Flare	Patrol									
		06	1214		1257	No	Flare	Patrol									
0098	RAMY	06	1353	1353	1400	S03	W72	9716	12	1.2	7	SF		3	E		
0099	HOLL	06	1510	1511	1520	S21	E36	9727	12	9.4	10	SF		3	E	14	F
0100	RAMY	06	1558	1558	1602	N36	W30	9728	12	4.2	4	SF		3	E	15	
0101		06	18501	19081	1942	S24	W24	9720	12	4.9	52	1F				16	
	HOLL	06	1850	1908	1936	S23	W25	9720	12	4.8	46	1F		3	E	231	FH
	RAMY	06	1851	1909	1947	S24	W22	9720	12	5.1	56	1F		3	E	220	FH
0102		06	19036	1909	1912	N08	E12	9724	12	7.7	9	SF				242	FH
	HOLL	06	1903	1909	1912	N09	E12	9724	12	7.7	9	SF		3	E	22	F
	RAMY	06	1909	1909	1923D	N08	E11	9724	12	7.6	14D	SF		3	E	23	F

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H α S O L A R F L A R E S

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																	Apparent (10-6 Disk)	Corr (Sq Deg)	
			06 2026		2135			No Flare Patrol											
			06 2147		2204			No Flare Patrol											
0103	VORO	07	0056	0103	0110	S27	W29	9720	12	4.8	14	SF		3	C	0103	99	1.3	
0104	LEAR	07	0233	0307	0347	N24	W15	9729	12	5.9	74	SF		2	E		71		F
0105	LEAR	07	0502	0503	0507	S06	W77	9716	12	1.4	5	SF		3	E		37		
0106	LEAR	07	0514	0525	0613	N02	W49	9717	12	3.5	59	1F		3	E		115		F
0107	LEAR	07	0806	0809	0904	S18	E22	9727	12	9.0	58	2F		3	E		324		FH
0108	SVTO	07	0831E	0835U	0906	S21	E20	9727	12	8.9	35D	1F		2	E		113		F
0109	RAMY	07	1157	1159	1202	N11	E00	9724	12	7.5	5	SF		3	E		15		
0110	RAMY	07	1743	1743	1818	S16	E24	9730	12	9.5	35	SF		3	E		16		F
0111		07	18592	19011	1905	N02	E64	9732	12	12.6	6	SF					37		
	HOLL	07	1859	1901	1905	N03	E64	9732	12	12.6	6	SF		3	E		53		
	RAMY	07	1901	1902	1905	N01	E63	9732	12	12.5	4	SF		3	E		21		
0112	LEAR	08	0431	0431	0439	S06	W55	9718	12	4.1	8	SF		3	E		15		
0113		08	1534	15372	1543	S22	W56	9720	12	4.3	9	SF					22		F
	RAMY	08	1534	1537	1542	S21	W57	9720	12	4.3	8	SF		3	E		19		F
	HOLL	08	1534	1539	1544	S22	W55	9720	12	4.4	10	SF		3	E		24		F
0114	HOLL	08	2138	2140	2211	S21	W01	9727	12	8.8	33	1F		3	E		124		F
0115	HOLL	08	2212	2215	2222	N15	E65	9733	12	13.8	10	SF		3	E		10		F
0116	HOLL	08	2216	2220	2236	S24	E01	9727	12	9.0	20	SF		3	E		70		F
0117	VORO	09	0129	0133	0146	N25	E12	9731	12	10.0	17	SN		3	C	0133	143	1.6	
0118	LEAR	09	0448	0450	0452	N26	E08	9731	12	9.8	4	SF		2	E		10		F
0119	LEAR	09	0636	0639	0647	S07	W69	9718	12	4.1	11	SF		2	E		67		FH
		09	0917		0921			No Flare Patrol											
0120	KANZ	09	0941	0943	0945	S19	W04	9727	12	9.1	4	SF		2	E				
0121	KANZ	09	0953	0953	0957	N12	E66	9733	12	14.4	4	SF		2	E				
0122	KANZ	09	1049	1050	1055	S24	W03	9727	12	9.2	6	SF		2	E				
		09	1103		1115			No Flare Patrol											
0123	KANZ	09	1131	1132	1135	S24	W04	9727	12	9.2	4	SF		2	E				
		09	1209		1236			No Flare Patrol											
0124	KANZ	09	1212	1213	1217	S15	E04	9727	12	9.8	5	SF		2	E				
0125		09	1341	1342	1346	N10	E65	9733	12	14.4	5	SF					26		
	KANZ	09	1341	1342	1345	N11	E64	9733	12	14.4	4	SF		2	E				
	RAMY	09	1341	1342	1346	N10	E66	9733	12	14.5	5	SF		3	E		26		
0126	RAMY	09	1426	1428	1518	S20	W08	9727	12	9.0	52	SF		3	E		84		F
0127	HOLL	09	1440	1446	1518	S20	W10	9727	12	8.8	38	SF		3	E		84		F
0128		09	15268	1538	1617	S21	W12	9727	12	8.7	51	1F					182		FH
	HOLL	09	1526	1538	1626	S22	W12	9727	12	8.7	60	1F		3	E		231		FH
	RAMY	09	1534	1538	1608	S20	W11	9727	12	8.8	34	1F		3	E		134		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0129	HOLL	09	2030	2030	2101	S21	W09	9727	12	9.2	31	SF		3	E		32		F
0130	LEAR	10	0133	0230	0315	S19	W16	9727	12	8.8	102	1F		3	E		148		FU
0131	LEAR	10	0710	0713	0717	S20	W16	9727	12	9.1	7	SF		3	E		17		F
0132		10	0718	07323	0742	S19	W18	9727	12	8.9	24	SF					27		F
	LEAR	10	0718	0735	0739	S19	W17	9727	12	9.0	21	SF		2	E		27		F
	KANZ	10	0725E	0732	0746	S19	W19	9727	12	8.8	21D	SF		2	E				
0133		10	09332	09351	0949	S25	W18	9727	12	9.0	16	SF					50		FH
	KANZ	10	0933	0936	0950	S25	W18	9727	12	9.0	17	SN		2	E				
	SVTO	10	0934	0935	0951	S25	W19	9727	12	8.9	17	SF		3	E		64		
	LEAR	10	0935	0935	0947	S24	W17	9727	12	9.1	12	SF		2	E		36		FH
0134	RAMY	10	1220	1223	1234	S20	W19	9727	12	9.1	14	SF		3	E		14		F
0135	RAMY	10	1330	1334	1340	S14	E74	9734	12	16.1	10	SF		3	E		10		
			10 1604		1626	No Flare Patrol													
0136	RAMY	10	1628	1628	1659	N12	E51	9733	12	14.5	31	SF		3	E		10		
			10 1630		1708	No Flare Patrol													
0137	RAMY	10	1749	1750	1826	S19	W24	9727	12	8.9	37	SF		3	E		60		F
0138	RAMY	10	1806	1806	1811	N12	E50	9733	12	14.5	5	SF		3	E		11		
0139	HOLL	10	2241	2244	2318	N10	E52	9733	12	14.8	37	1F		3	E		102		F
			10 2350		2400	No Flare Patrol													
			11 0000		0037	No Flare Patrol													
			11 0321		0354	No Flare Patrol													
0140	LEAR	11	0802	0805	0903	N16	E41	9733	12	14.4	61	2B		3	E		428		FZ
0141	LEAR	11	0830	0832	0836	S10	W33	9736	12	8.9	6	SF		3	E		18		F
			11 0955		1108	No Flare Patrol													
0142	RAMY	11	1354	1355	1358	S26	W32	9727	12	9.1	4	SF		3	E		12		
0143	RAMY	11	1445	1449	1510	S26	W35	9727	12	8.9	25	2N		3	E		417		FH
0144	RAMY	11	1625	1625	1632	S10	W38	9736	12	8.8	7	SF		3	E		16		
0145	RAMY	11	1719	1720	1722	S22	W31	9727	12	9.3	3	SF		3	E		48		F
0146	RAMY	11	1809	1810	1813	S10	W39	9736	12	8.8	4	SF		3	E		48		
			11 1832		1845	No Flare Patrol													
			11 1854		2023	No Flare Patrol													
			11 2032		2055	No Flare Patrol													
0147	HOLL	11	2123	2124	2130D	S10	W39	9736	12	9.0	7D	SF		3	E		16		
			11 2131		2248	No Flare Patrol													
0148	LEAR	12	0007	0015	0029	S10	W42	9736	12	8.8	22	SF		3	E		27		F
0149	LEAR	12	0306	0311	0317	S16	W40	9727	12	9.1	11	SF		3	E		25		F
0150	LEAR	12	0333	0349	0410	S16	W42	9727	12	9.0	37	SF		3	E		45		F
0151	LEAR	12	0449	0453	0505	S14	W44	9727	12	8.9	16	SF		3	E		24		F
0152		12	0450	0455	0510	S10	W44	9736	12	8.9	20	1N					168	3.7	F
	MITK	12	0450	0455	0507	S10	W45	9736	12	8.8	17	1B			C	0455	250	3.7	
	LEAR	12	0450	0455	0514	S10	W43	9736	12	9.0	24	SF		3	E		87		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
								Region									Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0153		12	0849	0849	0855	S26	W43	9727		12	9.0	6	1N					113	3.2	EF
	LEAR	12	0849	0849	0852	S26	W44	9727		12	8.9	3	SF		2	E		17		F
	URUM	12	0850E	0850	0858	S25	W42	9727		12	9.1	8D	1B			P		209	3.2	E
0154	SVTO	12	1210	1212	1225D	S20	W48	9727		12	8.8	15D	SF		3	E		36		F
0155	RAMY	12	1211	1212	1220	S19	W39	9727		12	9.5	9	1F		3	E		136		F
0156	SVTO	12	1227E	1228U	1238D	N14	E28	9733		12	14.6	11D	SF		3	E		55		F
		12	1319		1321			No Flare Patrol												
		12	1349		1429			No Flare Patrol												
		12	1433		1443			No Flare Patrol												
0157	RAMY	12	1441E	1447U	1501D	N14	E27	9733		12	14.6	20D	SF		3	E		26		
0158	RAMY	12	1441E	1441U	1500D	S19	W52	9727		12	8.6	19D	SF		3	E		18		
0159		12	1549	1550	1552	N15	E28	9733		12	14.8	3	SF					21		
	HOLL	12	1549	1550	1553	N15	E28	9733		12	14.8	4	SF		3	E		27		
	RAMY	12	1550	1550	1552	N15	E27	9733		12	14.7	2	SF		3	E		15		
0160	HOLL	12	1714	1715	1721	N15	E27	9733		12	14.8	7	SF		3	E		17		
		12	1737		1749			No Flare Patrol												
		12	1756		1809			No Flare Patrol												
0161	RAMY	12	1801E	1926U	2013D	S18	W54	9727		12	8.6	132D	SF		3	E		75		F
0162	RAMY	12	1811E	1923U	2017D	N15	E24	9733		12	14.6	126D	1N		3	E		237		F
		12	1815		1824			No Flare Patrol												
0163	HOLL	12	1838	1838	1844	S17	W53	9726		12	8.7	6	SF		3	E		12		
		12	1903		1921			No Flare Patrol												
		12	1928		1941			No Flare Patrol												
		12	1948		2228			No Flare Patrol												
0164	LEAR	12	2316	2318	2349	S19	W55	9727		12	8.8	33	1F		3	E		153		F
0165	LEAR	13	0022	0023	0045	S19	W56	9727		12	8.7	23	SF		3	E		22		
0166	LEAR	13	0100	0135	0410	S18	W57	9727		12	8.7	190	SF		3	E		64		F
0167	LEAR	13	0238	0248	0255	N15	E20	9733		12	14.6	17	SF		3	E		29		F
0168	URUM	13	0301E	0301	0323	S17	W56	9727		12	8.9	22D	1N			P		193	3.7	E
0169	LEAR	13	0634	0638	0656	S20	W58	9727		12	8.8	22	SF		2	E		50		F
		13	1025		1159			No Flare Patrol												
		13	1225		1244			No Flare Patrol												
0170		13	1424	1430	1606	N15	E08	9733		12	14.2	102	3B							FU
	RAMY	13	1424	1430	1545	N16	E09	9733		12	14.3	81	3B		3	E				UF
	HOLL	13	1424E	1430U	1628	N14	E08	9733		12	14.2	124D	3B		3	E				UF
0171		13	1555	1600	1616	S19	W62	9727		12	8.9	21	SF					48		F
	HOLL	13	1555	1600	1609	S18	W61	9727		12	9.0	14	SF		3	E		47		F
	RAMY	13	1556	1600	1623	S20	W64	9727		12	8.8	27	SF		3	E		49		F
0172	HOLL	13	1616	1616	1623	S19	W64	9727		12	8.8	7	SF		3	E		14		F
0173	HOLL	13	1656	1657	1708	S18	E58	9738		12	18.1	12	SF		3	E		20		F
0174	HOLL	13	1714	1715	1722	N15	E12	9733		12	14.6	8	SF		3	E		19		F
0175	HOLL	13	1752	1755	1814	S18	W65	9727		12	8.8	22	SF		3	E		90		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0176	HOLL	13	1815	1815	1819	S21	W59	9727	12	9.2	4	SF		3	E		10		
0177	HOLL	13	1909	1916	1929	S20	E54	9738	12	17.9	20	SF		3	E		45		F
0178	HOLL	13	1931	1931	1936	S28	E16	9737	12	15.1	5	SF		3	E		13		
0179		13	22432	2301	2326	S18	W67	9727	12	8.8	43	1F					147		F
	LEAR	13	2243	2301	2333	S19	W67	9727	12	8.8	50	1F		3	E		168		F
	HOLL	13	2245	2301	2318	S18	W67	9727	12	8.8	33	1F		3	E		126		F
0180	LEAR	14	0046	0052	0126	S20	W69	9727	12	8.7	40	SF		3	E		22		F
0181	LEAR	14	0050	0050	0058	S14	W03	9739	12	13.8	8	SF		3	E		13		
0182	LEAR	14	0145	0150	0201	S20	W69	9727	12	8.8	16	SF		3	E		19		
0183	URUM	14	0322	0326	0326D	S19	W66	9727	12	9.1	4D	1N			P		96		E
0184	LEAR	14	0335	0338	0404	S20	W69	9727	12	8.9	29	SF		3	E		52		F
0185	LEAR	14	0404	0406	0411	S20	W70	9727	12	8.8	7	SF		3	E		22		F
0186	LEAR	14	0417	0418	0424	S12	W72	9736	12	8.7	7	SF		3	E		57		F
0187	LEAR	14	0648	0650	0719	S20	W70	9727	12	8.9	31	SF		3	E		73		F
0188	LEAR	14	0653	0653	0656	S14	W63	9730	12	9.5	3	SF		3	E		16		
0189	LEAR	14	0848	0849	0853	S12	W75	9736	12	8.7	5	SF		3	E		21		F
0190	KANZ	14	1005	1005	1006	N16	E00	9733	12	14.4	1	SF		2	E				
		14	1036		1227	No Flare Patrol													
0191	RAMY	14	1250	1257	1310	N14	W02	9733	12	14.4	20	SF		3	E		25		F
0192		14	1525*	1536	1548	S26	E06	9737	12	15.1	23	SF					18		F
	HOLL	14	1525	1536	1548	S25	E05	9737	12	15.0	23	SF		3	E		21		
	RAMY	14	1536	1536	1547	S27	E06	9737	12	15.1	11	SF		3	E		16		F
0193	RAMY	14	1539	1539	1543	S22	W74	9727	12	9.0	4	SF		3	E		21		F
0194	HOLL	14	1545	1547	1555	N17	W02	9733	12	14.5	10	SF		3	E		38		F
0195	HOLL	14	1557	1557	1603	N17	W01	9733	12	14.6	6	SF		3	E		16		F
0196		14	1626	1628	1634	N16	W03	9733	12	14.4	8	SF					41		F
	RAMY	14	1626	1628	1632	N14	W05	9733	12	14.3	6	SF		3	E		44		F
	HOLL	14	1626	1628	1635	N17	W01	9733	12	14.6	9	SF		3	E		38		F
0197	HOLL	14	1710	1713	1728	N18	W05	9733	12	14.3	18	SF		3	E		40		F
0198	HOLL	14	1842	1844	1846	N18	W05	9733	12	14.4	4	SF		3	E		12		F
0199	HOLL	14	1944	1950	2124	N16	W04	9733	12	14.5	100	2N		3	E		452		UZ
0200	HOLL	14	2218	2218	2221	N15	W07	9733	12	14.4	3	SF		3	E		10		
0201	HOLL	14	2222	2223	2225	N17	W07	9733	12	14.4	3	SF		3	E		14		
0202		14	22332	2235	2247	N12	W08	9733	12	14.3	14	SF					16		F
	HOLL	14	2233	2235	2250	N14	W10	9733	12	14.2	17	SF		3	E		18		
	LEAR	14	2235	2235	2244	N11	W06	9733	12	14.5	9	SF		2	E		13		F
0203	LEAR	15	0016	0028	0037	N16	W10	9733	12	14.2	21	SF		2	E		50		F
0204	LEAR	15	0054	0058	0110	S19	W90	9727	12	8.2	16	SF		3	E		55		FH
0205	MITK	15	0520	0521	0522	N16	W11	9733	12	14.4	2	SN			C	0521	152	1.7	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
								Region								Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0206	15	10013	1009	1025	N14	W16	9733	12	14.2	24	SF						40		F
	KANZ	15	1001	1009	1025	N14	W16	9733	12	14.2	24	SF		2	E				
	LEAR	15	1004	1008U	1018D	N14	W16	9733	12	14.2	14D	SF		1	E		40		F
		15	1019		1040	No Flare Patrol													
0207	KANZ	15	1026	1027	1033	N16	W14	9733	12	14.4	7	SF		2	E				
		15	1202		1315	No Flare Patrol													
0208	KANZ	15	1246	1250	1300	N01	W41	9732	12	12.5	14	SF		2	E				
0209	KANZ	15	1251	1254	1258	N16	W15	9733	12	14.4	7	SF		2	E				
		15	1346		1357	No Flare Patrol													
		15	1403		1430	No Flare Patrol													
		15	1441		1718	No Flare Patrol													
0210	HOLL	15	1731	1733	1738	N18	W17	9733	12	14.4	7	SF		3	E		20		F
0211	HOLL	15	1824	1825	1829	N17	W13	9733	12	14.8	5	SF		3	E		12		
0212	HOLL	15	1917	1920	1922	N14	W21	9733	12	14.2	5	SF		3	E		14		
		15	1934		2217	No Flare Patrol													
0213	LEAR	15	2313	2316	2320	N12	W25	9733	12	14.1	7	SF		3	E		38		F
0214	16	01143	01212	0202	N16	W24	9733	12	14.2	48	2N						616	9.4	EF
	LEAR	16	0114	0121	0229	N15	W23	9733	12	14.3	75	2N		4	E		441		EF
	MITK	16	0117	0123	0134	N18	W25	9733	12	14.1	17	2N			C	0123	791	9.4	E
0215	MITK	16	0145	0146	0148	N11	W26	9733	12	14.1	3	SN			C	0146	92	1.1	D
0216	16	0317	03271	0438	N14	W26	9733	12	14.2	81	2N						306	5.6	EFH
	MITK	16	0317	0327	0435	N14	W26	9733	12	14.2	78	2N			C	0327	467	5.6	E
	LEAR	16	0317	0328	0440	N13	W26	9733	12	14.2	83	1F		3	E		146		FH
0217	LEAR	16	0404	0407	0410	N10	E75	9742	12	21.8	6	SF		3	E		11		
0218	LEAR	16	0434	0435	0443	N08	E78	9742	12	22.0	9	SF		3	E		72		FH
0219	LEAR	16	0531	0534	0536	N11	E79	9742	12	22.2	5	SF		4	E		20		F
0220	LEAR	16	0735	0741	0816	N13	W29	9733	12	14.1	41	SF		2	E		50		F
		16	0907		1314	No Flare Patrol													
0221	KANZ	16	1058	1110	1120	S28	W18	9737	12	15.0	22	SF		2	E				
		16	1319		1415	No Flare Patrol													
0222	RAMY	16	1435	1437	1441	S12	E81	9743	12	22.7	6	SF		3	E		14		
		16	1442		1854	No Flare Patrol													
0223	HOLL	16	1856	1858	1920	N11	E70	9742	12	22.0	24	SF		3	E		16		
		16	1953		1958	No Flare Patrol													
0224	17	0111	01113	0128	N16	W36	9733	12	14.3	17	SN						36	0.7	
	LEAR	17	0111	0111	0133	N14	W37	9733	12	14.2	22	SF		3	E		17		
	VORO	17	0111	0114	0123	N17	W36	9733	12	14.3	12	SN		3	C	0114	54	0.7	
0225	LEAR	17	0210	0213	0217	N14	W37	9733	12	14.3	7	SF		3	E		19		F
0226	LEAR	17	0302	0308	0315	N15	W38	9733	12	14.2	13	SF		3	E		17		F
0227	LEAR	17	0311	0311	0314	N00	W63	9732	12	12.4	3	SF		3	E		10		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0228	LEAR	17	0401	0405	0416	N13	W37	9733	12	14.4	15	SF		3	E		24		F
0229	LEAR	17	0633	0634	0637	N11	E56	9742	12	21.5	4	SF		2	E		18		F
0230	KANZ	17	0933	0934	0936	S16	E02	9738	12	17.5	3	SF		2	E				
		17	1019		1414	No Flare Patrol													
0231	KANZ	17	1059	1059	1101	N05	E24	9741	12	19.2	2	SF		2	E				
0232	KANZ	17	1125	1125	1126	S17	E00	9738	12	17.5	1	SF		2	E				
0233	HOLL	17	1750	1751	1757	N03	E23	9741	12	19.5	7	SF		3	E		22		
		17	2306		2310	No Flare Patrol													
0234	LEAR	18	0111	0111	0114	S13	W57	9739	12	13.7	3	SF		3	E		21		F
0235	LEAR	18	0409	0415	0421	S15	W06	9738	12	17.7	12	SF		3	E		56		F
0236	LEAR	18	0435	0444	0454	N12	W50	9733	12	14.4	19	SF		3	E		55		F
0237	LEAR	18	0451	0451	0457	N16	E71	9745	12	23.6	6	SF		3	E		14		
0238	LEAR	18	0504	0505	0513	N16	E71	9745	12	23.6	9	SF		3	E		28		
0239	LEAR	18	0512	0514	0520	N12	E43	9742	12	21.4	8	SF		3	E		67		F
0240	LEAR	18	0559	0600	0609	N12	W55	9733	12	14.1	10	SF		3	E		33		F
0241		18	0734*	07544	0808	N12	W53	9733	12	14.3	34	1N					146	2.2	EF
	LEAR	18	0734	0754	0815	N12	W55	9733	12	14.2	41	1N		3	E		162		FE
	URUM	18	0754	0758	0801	N12	W51	9733	12	14.5	7	1N			C		129	2.2	E
0242		18	08402	08431	0852	N10	E40	9742	12	21.4	12	SF					20		F
	KANZ	18	0840	0843	0853	N12	E40	9742	12	21.4	13	SF		2	E				
	LEAR	18	0842	0844	0852	N09	E41	9742	12	21.4	10	SF		3	E		20		F
		18	1037		1102	No Flare Patrol													
		18	1107		1144	No Flare Patrol													
0243	KANZ	18	1335	1337	1339	S08	E05	9744	12	18.9	4	SF		2	E				
		18	1344		1359	No Flare Patrol													
0244		18	16041	16043	1616	N12	E38	9742	12	21.5	12	SF					13		F
	HOLL	18	1604	1604	1615	N11	E39	9742	12	21.6	11	SF		3	E		15		F
	RAMY	18	1605	1607	1616	N13	E37	9742	12	21.5	11	SF		3	E		11		F
0245	HOLL	18	1931	1936	1944	N04	E42	9742	12	21.9	13	SF		3	E		42		F
0246	HOLL	18	2001	2001	2011	N10	E37	9742	12	21.6	10	SF		3	E		32		F
0247	LEAR	19	0113	0116	0127	N12	W63	9733	12	14.3	14	1F		3	E		123		F
		19	0223		0354	No Flare Patrol													
		19	0430		0436	No Flare Patrol													
0248	LEAR	19	0504	0509	0529	N06	E33	9742	12	21.7	25	SF		2	E		37		F
		19	0540		0656	No Flare Patrol													
		19	0956		1120	No Flare Patrol													
0249	KANZ	19	1039	1044	1100	N09	E32	9742	12	21.8	21	SF		2	E				
		19	1144		1241	No Flare Patrol													
		19	1252		1406	No Flare Patrol													
0250	KANZ	19	1253	1258	1302	S13	W73	9739	12	14.0	9	SN		2	E				

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Dec 01

H α 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			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0251	SVTO	19	1356E	1356U	1424D	S14	W76	9739	12	13.8	28D	SF		3	E		35		
0252		19	1704	1704.1	1709	S13	W74	9739	12	14.1	5	SF					50		H
	RAMY	19	1704	1704	1708	S15	W74	9739	12	14.1	4	SF		3	E		60		H
	HOLL	19	1704	1705	1710	S11	W75	9739	12	14.1	6	SF		3	E		41		
0253	HOLL	19	1942	1943	1951	S20	W19	9738	12	18.4	9	SF		3	E		14		F
0254	HOLL	19	2129	2130	2137	N06	W08	9741	12	19.3	8	SF		3	E		18		
0255	HOLL	19	2206	2207	2211	N10	E74	9747	12	25.5	5	SF		3	E		13		
0256	HOLL	19	2206	2207	2212	N10	E31	9742	12	22.2	6	SF		3	E		16		H
0257		20	00011	00037	0048	N12	E28	9742	12	22.1	47	1F					98	2.2	F
	LEAR	20	0001	0003	0006	N13	E27	9742	12	22.0	5	SF		2	E		18		F
	VORO	20	0002	0010	0129	N12	E29	9742	12	22.2	87	1F		3	C	0010	179	2.2	
0258	VORO	20	0002E	0002	0012	N10	E70	9747	12	25.3	10D	1F		3	C	0002	72	3.0	
0259	LEAR	20	0205	0206	0209	N12	E25	9742	12	22.0	4	SF		2	E		26		F
0260	LEAR	20	0227	0228	0234	N12	E72	9747	12	25.5	7	SF		2	E		19		F
0261		20	03141	0316	0318	N12	E24	9742	12	21.9	4	SN					21	0.3	FH
	MITK	20	0314	0316	0318	N12	E23	9742	12	21.9	4	SN			C	0316	26	0.3	H
	LEAR	20	0315	0316	0318	N13	E25	9742	12	22.0	3	SF		2	E		16		F
0262	MITK	20	0434	0438	0454	N12	E25	9742	12	22.1	20	1B			C	0438	336	3.9	F
0263	LEAR	20	0530	0537	0556	N13	E71	9747	12	25.6	26	SF		2	E		23		F
0264	LEAR	20	0727	0727	0732	S19	W26	9738	12	18.3	5	SF		3	E		16		F
0265	KANZ	20	0802	0802	0810	N05	E19	9742	12	21.7	8	SF		2	E				
0266	KANZ	20	0823	0824	0840	N05	E19	9742	12	21.8	17	SF		2	E				
0267		20	08433	08471	0855	N06	W14	9741	12	19.3	12	SF					40		F
	KANZ	20	0843	0847	0856	N06	W14	9741	12	19.3	13	SF		2	E				
	LEAR	20	0846	0848	0853	N05	W14	9741	12	19.3	7	SF		2	E		44		F
	SVTO	20	0846	0848	0856	N06	W14	9741	12	19.3	10	SF		3	E		37		F
0268	KANZ	20	1059	1106	1112	N12	E20	9742C	12	22.0	13	SF		2	E				
		20	1346		1416	No Flare Patrol													
0269		20	1524	1527.1	1546	N12	E21	9742	12	22.2	22	SF					33		F
	HOLL	20	1524	1527	1549	N12	E22	9742	12	22.3	25	SF		3	E		37		F
	RAMY	20	1524	1528	1543	N12	E20	9742	12	22.1	19	SF		3	E		29		F
0270	RAMY	20	1711	1717	1740	N06	E17	9742	12	22.0	29	SF		3	E		29		F
		20	1732		1738	No Flare Patrol													
0271	HOLL	20	1803E	1804U	1808	N05	E18	9742	12	22.1	5D	SF		3	E		12		F
0272	HOLL	20	1810	1811	1844	N11	E21	9742	12	22.3	34	SF		3	E		35		F
0273	HOLL	20	1847	1848	1855	N12	E61	9747	12	25.4	8	SF		3	E		40		F
0274	HOLL	20	2116	2125	2141	N12	E15	9742	12	22.0	25	SF		3	E		45		
0275	LEAR	21	0027	0028	0034	N13	E16	9742	12	22.2	7	SF		2	E		20		F
		21	0048		0145	No Flare Patrol													
0276	LEAR	21	0326	0328	0334	N13	E14	9742	12	22.2	8	SF		3	E		21		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Time (UT)	Area Measurement		Remarks
														Apparent (10-6 Disk)	Corr (Sq Deg)	
0277	LEAR	21	0356	0359	0409	S05	E69	9749	12 26.3	13	SF	3 E		39		
0278	LEAR	21	0403	0408	0413	N11	E09	9742	12 21.8	10	SF	3 E		21		F
0279	LEAR	21	0517	0520	0533	N13	E12	9742	12 22.1	16	SF	3 E		55		F
0280	LEAR	21	0548	0550	0606	S05	E68	9749	12 26.3	18	SF	3 E		23		
0281	LEAR	21	0625	0629	0642	S30	W68	9737	12 15.9	17	SF	3 E		23		
0282		21	09174	09211	0926	N12	E10	9742	12 22.1	9	SF			17		F
	KANZ	21	0917	0921	0926	N11	E11	9742	12 22.2	9	SF	2 E				
	LEAR	21	0921	0922	0926	N13	E10	9742	12 22.1	5	SF	3 E		17		F
0283		21	1005	10052	1012	N13	E06	9742	12 21.9	7	SF			26		F
	SVTO	21	1005	1005	1014	N13	E06	9742	12 21.9	9	SF	3 E		15		F
	LEAR	21	1005	1007	1011	N13	E06	9742	12 21.9	6	SF	2 E		36		F
	KANZ	21	1005	1007	1012	N12	E05	9742	12 21.8	7	SF	2 E				
0284		21	1032	1033	1040	N13	E06	9742	12 21.9	8	SF			16		
	SVTO	21	1032	1033	1039	N13	E07	9742	12 22.0	7	SF	3 E		16		
	KANZ	21	1032	1033	1040	N13	E06	9742	12 21.9	8	SF	2 E				
0285		21	1340	1342	1355	N12	E07	9742	12 22.1	15	SF			49		FH
	SVTO	21	1340	1342	1351	N12	E08	9742	12 22.2	11	SF	3 E		34		H
	RAMY	21	1340	1342	1359	N11	E06	9742	12 22.0	19	SF	3 E		64		F
0286		21	1515	1515	1524	N06	E02	9742	12 21.8	9	SF			26		F
	RAMY	21	1515	1515	1524	N06	E02	9742	12 21.8	9	SF	3 E		26		F
	HOLL	21	1515E	1516U	1523D	N06	E01	9742	12 21.7	8D	SF	3 E		25		F
0287		21	1600	1600	1608	N06	E01	9742	12 21.7	8	SF			20		
	HOLL	21	1600	1600	1608	N06	E01	9742	12 21.7	8	SF	3 E		19		
	RAMY	21	1600	1600	1609	N05	E01	9742	12 21.7	9	SF	3 E		21		
0288	HOLL	21	1850	1855	1858	S27	W75	9737	12 15.9	8	SF	3 E		15		
0289	HOLL	21	2144	2144	2153	S10	E58	9749	12 26.3	9	SF	3 E		10		
0290	HOLL	21	2154	2205	2218	S10	E58	9749	12 26.3	24	SF	3 E		22		F
0291		22	00293	00331	0040	S28	W84	9737	12 15.4	11	1N			50	5.6	
	VORO	22	0029	0033	0042	S27	W89	9737	12 15.3	13	1N	3 C	0033	81	5.6	
	LEAR	22	0032	0034	0037	S29	W80	9737	12 15.7	5	SF	3 E		18		
0292	LEAR	22	0259	0300	0306	S30	W80	9737	12 15.8	7	SF	3 E		24		
0293	LEAR	22	0312	0313	0320	S31	W80	9737	12 15.8	8	SF	3 E		19		
0294		22	04424	04471	0456	S11	E17	9748	12 23.5	14	SN			65	1.1	DF
	LEAR	22	0442	0447	0502	S11	E17	9748	12 23.5	20	SF	3 E		31		F
	MITK	22	0446	0448	0451	S11	E17	9748	12 23.5	5	SN	C	0448	99	1.1	D
0295	LEAR	22	0726	0727	0735	S11	E15	9748	12 23.4	9	SF	3 E		13		
0296	LEAR	22	0756	0758	0803	S29	W81	9737	12 16.0	7	SF	3 E		13		
0297		22	10222	10252	1031	N20	E07	9745	12 23.0	9	SF			16		
	KANZ	22	1022	1027	1032	N19	E07	9745	12 23.0	10	SF	2 E				
	LEAR	22	1024	1025	1030	N20	E07	9745	12 23.0	6	SF	2 E		16		
		22	1056		1200	No Flare Patrol										
		22	1313		1321	No Flare Patrol										
		22	1326		1417	No Flare Patrol										
0298	HOLL	22	1631	1635	1642	S11	E09	9748	12 23.4	11	SF	3 E		15		F
0299	HOLL	22	1815	1822	1824	S09	E46	9749	12 26.2	9	SF	3 E		15		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF				Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Region	Mo	Day	CMP							Apparent (10-6 Disk)	Corr (Sq Deg)		
0300		23	03472	0350*	0445	S12	W02	9748	12	23.0	58	SN					134	1.9	EF
	LEAR	23	0347	0350	0456	S13	W02	9748	12	23.0	69	SF	2	E			91		F
	MITK	23	0349	0409	0434	S12	W02	9748	12	23.0	45	SB		C	0409		178	1.9	E
0301	LEAR	23	0457	0500	0502	S13	W02	9748	12	23.0	5	SF	2	E			13		
0302	LEAR	23	0654	0655	0706	S02	E64	9754	12	28.1	12	SF	2	E			56		F
0303		23	08132	08143	0821	S10	W00	9748	12	23.3	8	SF					30		F
	LEAR	23	0813	0814	0821	S10	E00	9748	12	23.3	8	SF	2	E			44		F
	SVTO	23	0815	0817	0821	S10	W01	9748	12	23.3	6	SF	3	E			17		F
0304	LEAR	23	0937	0938	0944	S09	W01	9748	12	23.3	7	SF	2	E			21		F
		23	1002		1417	No Flare Patrol													
0305	KANZ	23	1247	1251	1313	S10	W03	9748	12	23.3	26	SF	2	E					
0306	HOLL	23	1600	1607	1617	S11	E36	9749	12	26.4	17	SF	3	E			19		F
0307	HOLL	23	1739	1745	1753	N10	W24	9742	12	21.9	14	SF	3	E			14		
0308	HOLL	23	1811	1813	1818	S06	E63	9754	12	28.5	7	SF	3	E			17		
0309	HOLL	23	2000	2005	2013	N11	W25	9742	12	21.9	13	SF	3	E			23		
0310	HOLL	23	2059	2112	2118	N11	W26	9742	12	21.9	19	SF	3	E			15		
0311	HOLL	23	2106	2108	2111	S20	E49	9753	12	27.6	5	SF	3	E			13		
0312	HOLL	23	2148	2148	2151	S05	E55	9754	12	28.0	3	SF	3	E			24		
		23	2220		2352	No Flare Patrol													
0313	LEAR	23	2322E	2334U	2415	S14	W12	9748	12	23.1	53D	SF	2	E			88		F
0314	VORO	23	2353	2357	0119	S11	W14	9743	12	22.9	86	1N	3	C	2357		197	2.1	
0315	VORO	24	0009	0012	0048	S09	W16	9743	12	22.8	39	1F	3	C	0012		269	2.9	
0316	VORO	24	0027	0032	0046	S14	E70	9754	12	29.3	19	2N	3	C	0032		332	9.8	
0317	LEAR	24	0030	0032	0045	S07	E59	9754	12	28.4	15	1N	2	E			171		E
0318	LEAR	24	0124	0129	0142	N10	W30	9742	12	21.8	18	SF	2	E			15		
0319	LEAR	24	0126	0151	0204	S19	E59	9753	12	28.6	38	SF	2	E			39		
0320	MITK	24	0128	0129	0131	N10	E29	9749	12	26.2	3	SN		C	0129		33	0.4	D
		24	0243		0259	No Flare Patrol													
0321		24	03022	0304	0316	N10	W30	9742	12	21.9	14	SN					41	0.6	DF
	LEAR	24	0302	0304	0320	N11	W30	9742	12	21.9	18	SF	2	E			29		F
	MITK	24	0304	0304	0311	N10	W30	9742	12	21.9	7	SN		C	0307		53	0.6	D
0322	LEAR	24	0750	0811	0842	S07	W19	9748	12	22.9	52	SF	2	E			50		F
0323	LEAR	24	0752	0815	0822	S08	W25	9743	12	22.4	30	SF	2	E			53		F
0324	LEAR	24	0828	0829	0833	S18	E44	9753	12	27.7	5	SF	2	E			27		
0325	KANZ	24	0850	0852	0857	N15	W14	9745	12	23.3	7	SF	2	E					
0326		24	0900	09031	0912	N10	W30	9742	12	22.1	12	SF					14		F
	LEAR	24	0900	0903	0912	N11	W30	9742	12	22.1	12	SF	2	E			14		F
	KANZ	24	0900	0904	0904D	N10	W29	9742	12	22.2	4D	SF	2	E					
		24	1021		1532	No Flare Patrol													
		24	1544		1618	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			Remarks
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0327	RAMY	24	1551	1607	1615	N10	W39	9742	12 21.7	24	SF		3	E		10		
0328	RAMY	24	1626	1637	1656	N10	W39	9742	12 21.7	30	SF		3	E		40		
		24	1938		2217	No Flare Patrol												
0329	RAMY	24	1957	1958	2001	N10	W41	9742	12 21.7	4	SF		3	E		16		
0330	LEAR	24	2238E	2239	2258	S10	E46	9754	12 28.4	20D	1F		3	E		166		F
0331		25	00292	00342	0053	S10	W20	9748	12 23.5	24	1F				0034	134	2.2	F
	VORO	25	0029	0034	0056	S10	W20	9748	12 23.3	27	1F		3	C		215	2.2	
	LEAR	25	0031	0036	0050	S11	W20	9748	12 23.5	19	SF		3	E		52		F
0332	LEAR	25	0259	0301	0303	N06	W47	9742	12 21.6	4	SF		3	E		16		
0333	LEAR	25	0407	0418	0447	S13	W29	9748	12 23.0	40	SF		3	E		25		F
0334	LEAR	25	0435	0436	0441	N05	W48	9742	12 21.6	6	SF		3	E		27		
0335	LEAR	25	0508	0508	0515	N10	W41	9742	12 22.1	7	SF		3	E		22		F
0336	LEAR	25	0703	0708	0717	S11	E50	9754	12 29.0	14	1F		3	E		103		F
0337	LEAR	25	0706	0713	0719	N09	W45	9742	12 21.9	13	SF		3	E		25		
0338	LEAR	25	0835	0843	0857	N09	W46	9742	12 21.9	22	SF		3	E		24		
0339		25	0936	0941	1011	N04	E28	9751	12 27.5	35	SF					30		F
	LEAR	25	0936	0941	1009	N05	E27	9751	12 27.4	33	SF		2	E		30		F
	SVTO	25	0936	0941	1013	N04	E28	9751	12 27.5	37	SF		3	E		29		F
0340	SVTO	25	1148	1152	1208	N11	W48	9742	12 21.9	20	SF		3	E		12		F
0341	HOLL	25	1646	1647	1651	N08	W56	9742	12 21.5	5	SF		3	E		23		
0342	HOLL	25	1742	1745	1749	N10	W52	9742	12 21.8	7	SF		3	E		25		F
0343		25	18241	18391	1852	S12	E36	9754	12 28.5	28	SF					15		
	RAMY	25	1824	1839	1853	S12	E35	9754	12 28.4	29	SF		3	E		14		
	HOLL	25	1825	1840	1851	S11	E36	9754	12 28.5	26	SF		3	E		16		
0344	RAMY	25	1952	1953	1955	N10	W58	9742	12 21.5	3	SF		3	E		39		F
0345	HOLL	25	2025	2034	2113	S11	W40	9748	12 22.8	48	1F		3	E		124		FH
0346	HOLL	25	2047	2047	2050	N09	W60	9742	12 21.4	3	SF		3	E		12		
0347	HOLL	25	2116	2118	2121	N07	W57	9742	12 21.6	5	SF		3	E		39		
0348	HOLL	25	2116	2124	2132	S11	E42	9754	12 29.0	16	SF		3	E		28		F
0349	HOLL	25	2131	2131	2208	N06	E18	9751	12 27.2	37	SF		3	E		17		F
0350		25	23031	23041	2312	N07	W58	9742	12 21.6	9	SF					23		
	HOLL	25	2303	2305	2316	N08	W58	9742	12 21.6	13	SF		3	E		33		
	LEAR	25	2304	2304	2308	N06	W58	9742	12 21.6	4	SF		3	E		13		
0351		25	23051	23193	2336	N06	E17	9751	12 27.2	31	SF					30		F
	HOLL	25	2305	2319	2336	N07	E17	9751	12 27.2	31	SF		3	E		37		
	LEAR	25	2306	2322	2335	N06	E17	9751	12 27.2	29	SF		3	E		22		F
0352		25	23111	2313	2324	S11	E40	9754	12 29.0	13	1F					114		F
	HOLL	25	2311	2313	2325	S11	E41	9754	12 29.0	14	1F		3	E		151		F
	LEAR	25	2312	2313	2323	S11	E39	9754	12 28.9	11	SF		3	E		78		F
0353		26	00021	00041	0010	S10	W37	9748	12 23.2	8	SN					86	1.9	BF
	LEAR	26	0002	0004	0012	S10	W37	9748	12 23.2	10	SF		3	E		27		F
	MITK	26	0003	0005	0009	S10	W37	9748	12 23.2	6	SN			C	0005	146	1.9	B

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
								Region									Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0354		26	0008	0032*	0104	N05	E16	9751		12	27.2	56	1F					112	2.2	F
	LEAR	26	0008	0032	0055	N06	E17	9751		12	27.3	47	SF		4	E		17		F
	VORO	26	0012E	0042	0114	N04	E14	9751		12	27.2	62D	1F		3	C	0042	206	2.2	
0355	MITK	26	0012	0015	0057	N06	E17	9751		12	27.3	45	SN			C	0035	99	1.1	D
0356		26	0005	00093	0024	N07	W60	9742		12	21.5	19	SN					50	1.3	F
	LEAR	26	0005	0009	0015	N06	W59	9742		12	21.6	10	SF		3	E		37		F
	VORO	26	0012E	0012	0033	N08	W60	9742		12	21.6	21D	SN		3	C	0012	63	1.3	
0357	VORO	26	0012E	0030	0105	S12	E32	9754		12	28.4	53D	SF		3	C	0030	134	1.6	
0358		26	01166	01221	0130	S09	W36	9748		12	23.3	14	1F					126	3.0	F
	VORO	26	0116	0123	0134	S08	W36	9748		12	23.2	18	1F		3	C	0123	233	3.0	
	LEAR	26	0122	0122	0126	S10	W36	9748		12	23.3	4	SF		3	E		18		F
0359		26	0117*	01266	0143	N06	E16	9751		12	27.2	26	SF					133	2.0	E
	VORO	26	0117	0126	0215U	N04	E14	9751		12	27.3	58U	1F		3	C	0126	340	3.7	
	LEAR	26	0123	0131	0149	N06	E16	9751		12	27.2	26	SF		3	E		19		
	MITK	26	0127	0132	0137	N07	E17	9751		12	27.3	10	SN			C	0132	40	0.4	E
0360	LEAR	26	0231	0235	0243	S10	W38	9748		12	23.2	12	SF		3	E		18		
0361		26	02313	02473	0313	N06	E16	9751		12	27.3	42	SN					64	0.9	EF
	LEAR	26	0231	0247	0314	N06	E15	9751		12	27.2	43	SF		3	E		43		F
	MITK	26	0234	0250	0312	N07	E16	9751		12	27.3	38	SN			C	0250	85	0.9	E
0362	LEAR	26	0234	0234	0240	N10	W61	9742		12	21.5	6	SF		3	E		14		FH
0363	MITK	26	0329	0337	0430	N07	W16	9747		12	24.9	61	1B			C	0337	394	4.3	H
0364	LEAR	26	0330	0331	0431	N01	E09	9751		12	26.8	61	SF		3	E		88		F
0365	LEAR	26	0401	0403	0406	N10	W59	9742		12	21.7	5	SF		3	E		28		F
0366	LEAR	26	0432	0514	0823	N08	W54	9742		12	22.1	231	1B		3	E		222		EFT
0367		26	0443	04444	0456	N07	E15	9751		12	27.3	13	SN					57	1.1	D
	LEAR	26	0443	0444	0453	N07	E15	9751		12	27.3	10	SF		3	E		15		
	MITK	26	0443	0448	0459	N07	E15	9751		12	27.3	16	SN			C	0448	99	1.1	D
0368	LEAR	26	0526	0531	0542	S10	W40	9748		12	23.2	16	SF		3	E		72		F
0369	LEAR	26	0541	0548	0553	S10	E29	9754		12	28.4	12	SF		3	E		32		F
0370	URUM	26	0551E	0556U	0705	N06	W54	9742		12	22.2	74D	2B			P		514	9.1	E
0371	URUM	26	0701	0705	0717	N07	E14	9751		12	27.3	16	1N			C		209	2.2	E
0372	LEAR	26	0713	0724	0726	S08	E35	9754		12	28.9	13	SF		3	E		17		F
0373	URUM	26	0736	0744	0752	N08	W59	9742		12	21.9	16	1N			C		241	4.9	E
0374	LEAR	26	0825	0841	0857	N05	W58	9742		12	22.0	32	SF		3	E		20		F
0375	LEAR	26	0833	0838	0841	S10	W42	9748		12	23.2	8	SF		3	E		10		
0376		26	08344	08384	0908	S10	E32	9754		12	28.8	34	1N					218	3.9	EF
	LEAR	26	0834	0838	0911	S09	E32	9754		12	28.7	37	1F		3	E		115		F
	URUM	26	0838	0842	0905	S10	E31	9754		12	28.7	27	1N			C		321	3.9	E
0377		26	09138	09205	0930	S11	W42	9748		12	23.2	17	SN					72	1.6	EF
	LEAR	26	0913	0920	0931	S11	W42	9748		12	23.2	18	SF		3	E		32		F
	URUM	26	0921	0925	0929	S11	W42	9748		12	23.2	8	SN			C		113	1.6	E
0378		26	09143	09156	0924	S08	E34	9754		12	28.9	10	1F					110	2.2	EF
	LEAR	26	0914	0915	0924	S07	E34	9754		12	28.9	10	SF		3	E		44		F
	URUM	26	0917	0921	0925	S10	E33	9754		12	28.9	8	1F			C		177	2.2	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0379	LEAR	26	0936	0939	0941	N07	E13	9751	12	27.4	5	SF		3	E		23		
0380	LEAR	26	0948	0949	0955	N09	W65	9742	12	21.5	7	SF		3	E		46		
		26	1018		1131	No Flare Patrol													
0381	RAMY	26	1224	1226	1235	N10	W68	9742	12	21.4	11	1F		3	E		126		FH
0382	RAMY	26	1251	1252	1256	N14	W60	9742	12	22.0	5	SF		3	E		26		
0383	RAMY	26	1411	1411	1418	N12	W70	9742	12	21.3	7	SF		3	E		40		H
0384	RAMY	26	1614	1616	1623	N14	W63	9742	12	21.9	9	SF		3	E		13		F
0385		26	1630	1632	1640	S12	W49	9748	12	23.0	10	SF					21		FH
	HOLL	26	1630	1632	1640	S12	W48	9748	12	23.1	10	SF		3	E		21		FH
	RAMY	26	1630	1632	1641	S11	W50	9748	12	22.9	11	SF		3	E		21		H
0386	HOLL	26	1640	1705	1722	S09	E23	9754	12	28.4	42	SF		3	E		20		F
0387	RAMY	26	1716	1718	1740	N10	W72	9742	12	21.3	24	SF		3	E		70		F
0388		26	1752	1752	1756	S10	W56	9743	12	22.5	4	SF					14		
	HOLL	26	1752	1752	1756	S10	W56	9743	12	22.5	4	SF		3	E		15		
	RAMY	26	1752	1752	1756	S09	W57	9743	12	22.5	4	SF		3	E		14		
0389		26	17511	1755	1800	N04	E06	9751	12	27.2	9	SF					22		F
	HOLL	26	1751	1755	1800	N05	E06	9751	12	27.2	9	SF		3	E		28		
	RAMY	26	1752	1755	1800	N04	E06	9751	12	27.2	8	SF		3	E		17		F
0390	HOLL	26	1803	1812	1816	N07	E07	9751	12	27.3	13	SF		3	E		10		
0391		26	1854	18561	1905	N05	E08	9751	12	27.4	11	SF					16		
	RAMY	26	1854	1856	1906	N04	E08	9751	12	27.4	12	SF		3	E		12		
	HOLL	26	1854	1857	1904	N06	E07	9751	12	27.3	10	SF		3	E		21		
0392	RAMY	26	1930	1932	1936	N09	W73	9742	12	21.3	6	SF		3	E		13		
0393	RAMY	26	1932	1932	1936	N04	E06	9751	12	27.3	4	SF		3	E		12		
0394	HOLL	26	2041	2059	2118	S10	W56	9748	12	22.6	37	SF		3	E		54		
		26	2113		2246	No Flare Patrol													
0395	HOLL	26	2141	2142	2151	S10	W46	9748	12	23.4	10	SF		3	E		18		
0396	HOLL	26	2226	2226	2235	N02	W01	9751	12	26.9	9	SF		3	E		13		F
0397		27	00391	00401	0054	N07	E06	9751	12	27.5	15	SN					78	1.5	F
	VORO	27	0039	0041	0101	N07	E06	9751	12	27.5	22	SN		3	C	0041	143	1.5	
	LEAR	27	0040	0040	0048	N07	E06	9751	12	27.5	8	SF		2	E		13		F
0398	VORO	27	0055	0056	0105	N02	E24	9762	12	28.8	10	SF		3	C	0056	81	0.9	
0399		27	01352	0137	0142	N08	W76	9742	12	21.4	7	1N					48	3.1	F
	VORO	27	0135	0137	0142	N09	W80	9742	12	21.0	7	1N		3	C	0137	63	3.1	
	LEAR	27	0137	0137U	0149D	N06	W73	9742	12	21.6	12D	SF		2	E		33		F
		27	0211		0220	No Flare Patrol													
0400		27	0252	0303	0326	S12	W56	9752	12	22.9	34	1N					112	3.7	EF
	LEAR	27	0252	0252U	0259D	S12	W54	9752	12	23.0	7D	SF		2	E		31		F
	URUM	27	0252	0303	0326	S12	W57	9752	12	22.8	34	1N			C		193	3.7	E
0401	LEAR	27	0314	0314	0318	S11	W57	9752	12	22.8	4	SF		2	E		12		F
0402	LEAR	27	0349E	0349U	0404D	N07	W04	9751	12	26.8	15D	SF		2	E		24		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Region	Mo	Day								Apparent (10-6 Disk)	Corr (Sq Deg)	
0403		27	0350E	0422	0441	S12	W56	9752	12	22.9	51D	1N				121	3.7	EF
	LEAR	27	0350E	0417U	0430D	S11	W58	9752	12	22.8	40D	SF	2	E		33		F
	URUM	27	0422E	0422	0441	S13	W54	9752	12	23.1	19D	1N		P		209	3.7	E
0404	LEAR	27	0431E	0436U	0446D	S11	W54	9752	12	23.1	15D	SF	2	E		24		F
0405	LEAR	27	0354E	0355U	0400D	N10	W72	9742	12	21.7	6D	SF	2	E		20		
0406	LEAR	27	0447	0610U	0645	S15	W86	9752	12	20.7	118	2N	2	E		295		F
0407		27	0536E	0542	0558	N07	E03	9751	12	27.4	22D	SN				60	0.8	DF
	LEAR	27	0536E	0537U	0557D	N06	E03	9751	12	27.4	21D	SF	2	E		40		F
	URUM	27	0542E	0542	0558	N08	E03	9751	12	27.5	16D	SN		P		80	0.8	D
0408	URUM	27	0605	0616	0620	S10	W27		12	25.2	15	2N		C		498	5.8	E
0409	URUM	27	0623	0628	0635	S12	W57	9748	12	23.0	12	2N		C		530	10.1	E
0410	LEAR	27	0647	0649	0656	S11	W55	9752	12	23.1	9	SF	2	E		37		F
0411	LEAR	27	0717	0721	0724	S10	W56	9752	12	23.1	7	SF	2	E		13		
0412	LEAR	27	0724	0725	0727	S11	W57	9752	12	23.0	3	SF	2	E		33		
0413	LEAR	27	0728	0735	0741	S15	W86	9752	12	20.8	13	SF	2	E		15		
0414	LEAR	27	0755	0801	0810	N10	W79	9742	12	21.4	15	SF	2	E		40		F
0415	LEAR	27	0755	0759	0804	S15	W87	9752	12	20.7	9	SF	2	E		21		
0416	LEAR	27	0855	0856	0900	S11	W57	9752	12	23.1	5	SF	2	E		21		
0417		27	09388	09398	0947	N08	W06	9751	12	26.9	9	SF				80	0.8	D
	KANZ	27	0938	0939	0944	N07	W07	9751	12	26.9	6	SF	2	E				
	URUM	27	0943E	0943	0943D	N07	W07	9751	12	26.9	6D	SN		P		80	0.8	D
	KANZ	27	0946	0947	0950	N09	W03	9751	12	27.2	4	SF	2	E				
		27	0944		1119	No Flare Patrol												
0418		27	11291	11301	1142	N08	W80	9742	12	21.5	13	SF				29		
	KANZ	27	1129	1131	1140	N07	W79	9742	12	21.6	11	SF	2	E				
	SVTO	27	1130	1130	1143	N08	W80	9742	12	21.5	13	SF	3	E		29		
0419	RAMY	27	1218	1218	1226	N09	W82	9742	12	21.3	8	SF	3	E		16		
0420		27	12314	12326	1244	S12	E12	9754	12	28.4	13	SF				18		F
	KANZ	27	1231	1232	1243	S12	E11	9754	12	28.3	12	SF	2	E				
	RAMY	27	1235	1238	1244	S12	E12	9754	12	28.4	9	SF	3	E		18		F
0421	RAMY	27	1524	1529	1551	S11	E10	9754	12	28.4	27	SF	3	E		96		F
0422	RAMY	27	1644	1651	1920	S10	W66	9748	12	22.7	156	2N	3	E		292		F
0423	RAMY	27	1657	1657	1703	S08	W72	9743	12	22.3	6	SF	3	E		10		F
0424	RAMY	27	1704	1705	1707	N11	W89	9742	12	21.0	3	SF	3	E		22		
0425	RAMY	27	1824	1828	1838	S07	W71	9743	12	22.4	14	SF	3	E		39		
0426	RAMY	27	2020	2025	2041	S09	E15	9754	12	29.0	21	SF	3	E		41		F
0427	RAMY	27	2103	2107	2116	S09	W65	9748	12	23.0	13	SF	3	E		17		
0428	HOLL	27	2134	2144	2155	S12	W70	9743	12	22.6	21	SF	3	E		80		
0429	HOLL	27	2318	2318	2322	S11	W64	9748	12	23.1	4	SF	3	E		13		
		28	0156		0201	No Flare Patrol												

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10-6 Disk)	Corr (Sq Deg)	
0430		28	0236	0237	0253	S11	E03	9754	12	28.3	17	1N				140	2.3	F
	MITK	28	0236	0237	0245	S11	E03	9754	12	28.3	9	1B		C	0237	216	2.3	
	LEAR	28	0236	0239	0301	S11	E03	9754	12	28.3	25	SF	3	E		65		F
0431	URUM	28	0250E	0250	0258	N01	W02	9762	12	28.0	8D	SN		P		80	0.8	D
0432	LEAR	28	0301	0305	0309	S11	W66	9748	12	23.2	8	SF	3	E		14		F
0433	LEAR	28	0312	0313	0315	S11	W66	9748	12	23.2	3	SF	3	E		13		F
0434	LEAR	28	0346	0347	0353	N04	W90	9742	12	21.4	7	SF	3	E		49		
0435	LEAR	28	0406	0408	0429	S11	W66	9748	12	23.2	23	SF	3	E		19		F
0436	LEAR	28	0422	0424	0431	S08	E07	9754	12	28.7	9	SF	3	E		15		F
0437	LEAR	28	0649	0656	0707	S07	E10	9754	12	29.0	18	1F	2	E		112		F
0438	LEAR	28	0833	0838	0846	S09	E06	9754	12	28.8	13	SF	2	E		57		F
		28	1030		1052	No Flare Patrol												
		28	1059		1117	No Flare Patrol												
0439	KANZ	28	1113E	1116	1145D	S10	E06	9754	12	28.9	32D	SF	2	E				
0440	RAMY	28	1225	1229	1234	S12	W77	9748	12	22.7	9	SF	3	E		11		
0441	RAMY	28	1335	1336	1339	S10	W90	9743	12	21.8	4	SF	3	E		18		
0442	RAMY	28	1435	1435	1439	S03	E28	9755	12	30.7	4	SF	3	E		18		
0443	RAMY	28	1616	1618	1633	N01	W23	9751	12	27.0	17	SF	3	E		19		F
0444	RAMY	28	1703	1707	1718	N01	W24	9751	12	26.9	15	SF	3	E		13		F
0445		28	1848	1853	1916	N02	W26	9751	12	26.8	28	1F				122		FU
	RAMY	28	1848	1853	1916	N03	W26	9751	12	26.8	28	1F	3	E		118		UF
	HOLL	28	1848	1853	1917	N00	W25	9751	12	26.9	29	1F	3	E		125		F
0446	HOLL	28	2048	2052	2056	S11	E01	9754	12	28.9	8	SF	3	E		17		F
		28	2213		2222	No Flare Patrol												
0447	LEAR	29	0513	0513	0521	N00	W30	9751	12	27.0	8	SF	3	E		35		F
0448	LEAR	29	0529	0546	0559	N02	W32	9751	12	26.8	30	1F	3	E		102		F
0449	LEAR	29	0608	0611	0614	N08	E65	9763	01	3.1	6	SF	3	E		49		F
0450	LEAR	29	0705	0706	0711	S01	E17	9755	12	30.6	6	SF	2	E		15		
0451		29	0941	0942	0952	S08	W88	9748	12	22.8	11	SF				52		
	SVTO	29	0941	0942	0950	S07	W85	9748	12	23.0	9	SF	3	E		24		
	LEAR	29	0941	0943	0955	S08	W90	9748	12	22.6	14	SF	2	E		80		
0452	SVTO	29	1154E	1156U	1205	S26	E87	9767	01	5.2	11D	SF	3	E		86		
		29	2046		2108	No Flare Patrol												
		29	2221		2225	No Flare Patrol												
0453	HOLL	29	2242	2246	2250	S09	W15	9754	12	28.8	8	SF	3	E		51		F
0454	HOLL	29	2249	2301U	2308D	S24	E88	9767	01	5.7	19D	1F	3	E		212		
0455	LEAR	30	0656	0659	0710	N02	W49	9751	12	26.6	14	SF	3	E		27		
		30	1039		1214	No Flare Patrol												
0456	RAMY	30	1216	1227	1235	N04	W45	9751	12	27.1	19	SF	3	E		14		

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Dec 01

H α SOLAR FLARES

DECEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0457	RAMY	30	1216	1220	1236	S07	W23	9754	12	28.8	20	SF		3	E			63	
0458		30	1343	1343	1358	N02	W43	9751	12	27.3	15	SF						22	
	KANZ	30	1343	1343	1356	N01	W43	9751	12	27.4	13	SF		2	E				
	RAMY	30	1343	1343	1359	N03	W43	9751	12	27.3	16	SF		3	E			22	
0459	RAMY	30	1506	1506	1512	S23	E82	9767	01	5.9	6	SF		3	E			14	
		30	1540		1541	No Flare Patrol													
		30	1853		1950	No Flare Patrol													
0460	HOLL	30	2155	2158	2203	S24	E77	9767	01	5.9	8	1F		3	E			240	F
0461	LEAR	30	2349	2349	2352	S11	E55	9765	01	4.1	3	SF		2	E			25	F
0462	VORO	31	0120	0128	0139	N12	E21		01	1.6	19	SF		3	C	0128		72	0.8
0463	VORO	31	0121	0127	0142	S13	E52		01	4.0	21	SF		3	C	0142		143	2.4
0464	LEAR	31	0457	0458	0503	S20	E74	9767	01	5.9	6	SF		3	E			22	
0465	LEAR	31	0616	0619	0626	S20	E68	9767	01	5.5	10	SF		3	E			24	
		31	1033		1154	No Flare Patrol													
0466	RAMY	31	1504	1504	1508	N06	W56	9751	12	27.4	4	SF		3	E			10	F
0467	RAMY	31	1838	1844	1859	S09	W46	9754	12	28.3	21	1F		3	E			118	F
0468	RAMY	31	1920	1923	2014	S31	E11	9756	01	1.7	54	SF		3	E			26	F
		31	2020		2305	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