

H $\alpha$  SOLAR FLARES

DECEMBER 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	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)	
			01 0000		0029		No Flare Patrol											
			01 0031		0044		No Flare Patrol											
0001	LEAR	01	0203	0204	0225	N19 W29	7352	11	29.0	22	SF		3	E		16		M
0002		01	0226	0230	0240	N18 W34	7352	11	28.6	14	SF B 8.6					38		M
	LEAR	01	0226	0230	0240	N19 W29	7352	11	29.0	14	SF B 8.6	3	E			39		M
	PALE	01	0232E	0232U	0239	N18 W40	7352	11	28.1	7D	SF	2	E			38		M
0003	LEAR	01	0525	0528	0550	N22 W33	7352	11	28.8	25	SF C 2.1	3	E			63		M
0004		01	08442	08471	0854	S26 W17	7350	11	30.0	10	SF C 1.4					13		M
	KANZ	01	0844	0848	0857	S25 W17	7350	11	30.0	13	SF	2	C					
	SVTO	01	0846	0847	0852	S26 W17	7350	11	30.0	6	SF C 1.4	3	E			13		M
0005	SVTO	01	0848	0849	0915	N07 W35	7348	11	28.8	27	SF		3	E		17		M
0006		01	0833*	0834*	0904	N20 W32	7352	11	29.0	31	SF B 6.1					34		EM
	SVTO	01	0833	0851	0916	N19 W32	7352	11	29.0	43	SF	3	E			27		E
	LEAR	01	0834	0834	0842	N19 W32	7352	11	29.0	8	SF B 6.1	3	E			34		M
	KANZ	01	0836	0836	0840	N20 W31	7352	11	29.1	4	SF	2	C					
	LEAR	01	0847	0905	0919	N19 W32	7352	11	29.0	32	SF	3	E			41		M
	KANZ	01	0848	0852	0904	N20 W31	7352	11	29.1	16	SF	2	C					
	KANZ	01	0904	0912	0920	N21 W35	7352	11	28.8	16	SF	2	C					
0007	KHAR	01	0941U		1007U	N22 W37	7352	11	28.6	26U	1F	2	V		0941			E
0008		01	10192	1024	1036	N22 W37	7352	11	28.7	17	1N C 5.1					75		EHM
	KHAR	01	1019	1024	1047D	N23 W37	7352	11	28.7	28D	1N	2	V		1024			EH
	SVTO	01	1021	1021U	1036	N22 W37	7352	11	28.7	15	SF C 5.1	3	E			75		M
0009		01	1323*	1326*	1408	N12 W34	7348	11	29.1	45	SF C 1.2					14		M
	SVTO	01	1323	1326	1408	N12 W33	7348	11	29.2	45	SF	3	E			15		M
	RAMY	01	1401	1402	1409	N12 W34	7348	11	29.1	8	SF C 1.2	4	E			14		M
0010		01	1745*	17544	1845	N20 W37	7352	11	29.0	60	1F M 1.5					128		EM
	HOLL	01	1745	1754	1845	N21 W37	7352	11	29.0	60	1N M 1.5	3	E			172		E
	PALE	01	1750	1757		N19 W37	7352	11	29.0		1F	3	E			139		M
	RAMY	01	1755	1758	1814D	N19 W38	7352	11	28.9	19D	SF	3	E			73		M
0011	HOLL	01	2018	2024	2047	N22 W40	7352	11	28.9	29	SN C 5.1	3	E			88		M
			01 2107		2133	No Flare Patrol												
0012		01	22416	2247*	2300	N18 W42	7352	11	28.8	19	SF					35		M
	LEAR	01	2241	2258	2308	N19 W42	7352	11	28.8	27	SF	3	E			18		M
	PALE	01	2247	2247	2252	N18 W42	7352	11	28.8	5	SF	3	E			52		M
			01 2350		2400	No Flare Patrol												
			02 0000		0000	No Flare Patrol												
0013	LEAR	02	0058	0059	0101	N19 W43	7352	11	28.8	3	SF		3	E		15		M
0014	LEAR	02	0104	0119	0142D	N23 W40	7352	11	29.1	38D	SF		3	E		38		M
0015		02	0155E	0308	0327	N21 W44	7352	11	28.8	92D	1N C 1.6					110		DM
	LEAR	02	0155E	0308	0328	N23 W41	7352	11	29.0	93D	1F C 1.6	3	E			110		M
	YUNN	02	0309E	0309U	0326	N19 W47	7352	11	28.6	17D	SN		P					D
0016	LEAR	02	0351	0356	0401	N19 W43	7352	11	29.0	10	SF B 7.6	3	E			15		M
0017	LEAR	02	0408	0423	0439	N23 W42	7352	11	29.0	31	SF B 8.3	3	E			41		M
0018	LEAR	02	0442	0533	0558	N19 W44	7352	11	28.9	76	SF		3	E		56		FM
			02 0610		0615	No Flare Patrol												
0019	LEAR	02	0628	0632	0646	N18 W46	7352	11	28.9	18	SF C 1.8	3	E			36		M

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
								Region	Mo Day							Apparent (10-6 Disk)	Corr (Sq Deg)		
0020		02	0637	0656	0724	N12	W43	7348	11	29.1	47	SF	C	1.4			42	M	
	LEAR	02	0637	0656	0729	N11	W43	7348	11	29.1	52	SF	C	1.4	3	E	64	M	
	SVTO	02	0658E	0658U	0719	N13	W43	7348	11	29.1	21D	SF			1	E	21	M	
0021		02	0725	0727	0736	N20	W46	7352	11	28.9	11	SN	C	2.0			78	M	
	LEAR	02	0725	0727	0733	N19	W46	7352	11	28.9	8	SN	C	2.0	3	E	96	M	
	SVTO	02	0730E	0730U	0738	N20	W47	7352	11	28.8	8D	SF			2	E	61	M	
0022	SVTO	02	0936	0951	1006	N20	W46	7352	11	29.0	30	SF	C	4.3	3	E	26	M	
0023	SVTO	02	1020	1022	1105	S25	W33	7350	11	30.0	45	SF			3	E	34	M	
0024	SVTO	02	1149	1154	1201	N20	W47	7352	11	29.0	12	SF	C	1.2	3	E	14	M	
0025	SVTO	02	1220	1222	1226	N20	W53	7352	11	28.6	6	SF	C	1.2	3	E	32	M	
0026	SVTO	02	1250	1256	1300	N19	W54	7352	11	28.5	10	SF			3	E	15	M	
0027	HOLL	02	1551	1552	1557	N22	W53	7352	11	28.7	6	SF	B	7.1	3	E	37	M	
		02	1912		2035	No Flare Patrol													
0028	PALE	02	1940	1944	1945	N19	W52	7352	11	28.9	5	SF			3	E	11	M	
		02	2037		2124	No Flare Patrol													
		02	2128		2133	No Flare Patrol													
		02	2225		2326	No Flare Patrol													
		02	2337		2346	No Flare Patrol													
		02	2348		2349	No Flare Patrol													
		02	2351		2400	No Flare Patrol													
0029	LEAR	02	2357	2411	2444	N23	W53	7352	11	29.0	47	SF			3	E	91	M	
		03	0000		0119	No Flare Patrol													
0030	LEAR	03	0418	0422	0445	N23	W55	7352	11	29.0	27	SF			3	E	21	M	
0031	LEAR	03	0448	0449	0455	N21	W61	7352	11	28.6	7	SF			3	E	25	M	
0032	LEAR	03	0608	0618	0653	N23	W56	7352	11	29.0	45	SF			3	E	30	M	
0033		03	07433	07461	0801	N20	W57	7352	11	29.1	18	SN	C	1.0			53	1.4	DEFM
	LEAR	03	0743	0746	0759	N18	W57	7352	11	29.1	16	SF	C	1.0	3	E	40	FM	
	ISTA	03	0746E		0805	N21	W57	7352	11	29.0	19D	1N				V		D	
	TACH	03	0746	0747	0758	N20	W57	7352	11	29.1	12	SB			3	C	0747	66	1.4
0034	KHAR	03	1025	1030	1035U	N20	W57	7352	11	29.2	10U	SF			2	V	1030		H
0035	SVTO	03	1049	1049	1054	N20	W60	7352	11	29.0	5	SF			3	E	19		FM
0036	SVTO	03	1106	1106	1119	N18	W60	7352	11	29.0	13	SF	C	1.3	3	E	14		FM
0037	PALE	03	2031	2031	2038D	N20	W70	7352	11	28.6	7D	SF	C	3.7	3	E	11		
0038		03	2257	2259	2310	N20	W65	7352	11	29.1	13	SF	C	1.8			21		F
	PALE	03	2256E	2256U	2314D	N18	W65	7352	11	29.1	18D	SF			2	E	10		
	LEAR	03	2257	2259	2310	N21	W65	7352	11	29.1	13	SF	C	1.8	3	E	32		F
0039		04	02411	02464	0302	N20	W76	7352	11	28.4	21	1F	C	1.7			79		EFIJ
	LEAR	04	0241	0250	0307	N20	W76	7352	11	28.4	26	SF	C	1.7	3	E	86		F
	VORO	04	0242	0246	0258	N20	W77	7352	11	28.3	16	1F			1	C	0246	72	EIJ
0040	LEAR	04	0411	0413	0425	N21	W76	7352	11	28.4	14	SF	C	5.8	3	E	82		F
0041		04	07008	0719	0736	N22	W76	7352	11	28.5	36	1N					32		EFW
	ISTA	04	0700		0729	N23	W78	7352	11	28.4	29	2N				V			EW
	LEAR	04	0708	0719	0742	N20	W75	7352	11	28.7	34	SF			3	E	32		F



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																Time (UT)	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
0061	YUNN	08	0735E	0735U	0759	S14	W81	7361	12	2.2	24D	SN			P				A	
0062	KHAR	08	0930E		0940	S13	W90	7361	12	1.6	10D	SF		2	P	0933			DH	
0063	KHAR	08	1007		1028	S13	W90	7361	12	1.6	21	SF		2	V	1020			DH	
0064	KHAR	08	1045		1048D	S13	W90	7361	12	1.6	3D	SF		2	V	1047			DH	
0065	RAMY	08	1348	1348	1353	S07	E78	7363	12	14.4	5	SF	C 1.7	4	E			37		
0066	RAMY	08	1546	1546	1549	S04	E39	7362	12	11.6	3	SF		3	E			20		
0067	RAMY	08	1800	1809	1831	S07	E74	7363	12	14.3	31	SF	C 5.1	3	E			22	F	
			08 2119		2134	No Flare Patrol														
			08 2240		2337	No Flare Patrol														
			08 2339		2400	No Flare Patrol														
			09 0000		0011	No Flare Patrol														
0068	PALE	09	0218	0231	0258	S05	E72	7363	12	14.5	40	SF		3	E			26		
			09 0325		0343	No Flare Patrol														
			09 0354		0410	No Flare Patrol														
			09 0419		0459	No Flare Patrol														
0069	YUNN	09	0828E	0828U	0832	S28	W17		12	8.0	4D	SN			P				G	
0070	RAMY	09	1124	1126	1147	S06	E60	7363	12	14.0	23	SN	C 6.3	2	E			52	U	
0071	RAMY	09	1239	1240	1257	S04	E26	7362	12	11.5	18	SF	C 1.5	4	E			18	F	
0072	HOLL	09	1713	1725	1809	S09	E65	7363	12	14.6	56	SF		3	E			46		
0073		09	2040	2045	2055	S12	E87	7366	12	16.4	15	SF	B 8.9					71		
	HOLL	09	2040	2045	2055	S14	E84	7366	12	16.2	15	SF	B 8.9	3	E			72		
	PALE	09	2040E	2045U	2055	S10	E90	7366	12	16.6	15D	SF		3	E			70		
0074	HOLL	09	2146	2155	2214	S05	E20	7362	12	11.4	28	SF		3	E			20	F	
			09 2316		2400	No Flare Patrol														
			10 0000		0027	No Flare Patrol														
0075	LEAR	10	0007E	0007	0027	S04	E18	7362	12	11.3	20D	SF		3	E			20	F	
0076		10	0016Z	0019I	0024	S11	E85	7366	12	16.4	8	SF						26		
	PALE	10	0016	0019	0023	S11	E80	7366	12	16.0	7	SF		3	E			21		
	LEAR	10	0018	0020	0025	S11	E90	7366	12	16.8	7	SF		3	E			32		
0077	PALE	10	0123	0124U	0130D	S10	E90	7366	12	16.8	7D	SF		3	E			20		
0078	LEAR	10	0652	0653	0659	S05	E14	7362	12	11.3	7	SF		3	E			24	F	
			10 1037		1048	No Flare Patrol														
0079	RAMY	10	1202	1203	1215	S05	E11	7362	12	11.3	13	SF	C 2.4	3	E			21	F	
0080	RAMY	10	1346	1346	1358	S04	E11	7362	12	11.4	12	SF	C 3.4	3	E			13		
0081	PALE	10	1800E	1810U	1818D	S04	E07	7362	12	11.3	18D	SF	C 1.1	2	E			33	F	
0082	HOLL	10	2127E	2129U	2143	S18	E19	7360	12	12.3	16D	SF		3	E			32	F	
0083	PALE	10	2150E	2151U	2210D	S06	E06	7362	12	11.3	20D	SF	C 1.4	3	E			12	F	
			10 2231		2338	No Flare Patrol														
0084		10	2255	2256I	2301	S04	E06	7362	12	11.4	6	SF	C 3.6					23		
	PALE	10	2255	2256	2301	S05	E07	7362	12	11.5	6	SF	C 3.6	3	E			19		
	LEAR	10	2255	2257	2301	S04	E06	7362	12	11.4	6	SF	C 3.6	3	E			27		

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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 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0085	LEAR	10	2332	2342	2355	S05	E03	7362	12	11.2	23	SF		3	E		48		F
0086	YUNN	11	0313E	0313U	0320D	S17	E17	7360	12	12.4	7D	SN			P				D
0087	SVTO	11	0843	0905	0922	S05	W01	7362	12	11.3	39	SF C	1.3	3	E		28		F
0088	SVTO	11	1216	1218	1227	S17	E09	7360	12	12.2	11	SF C	1.1	3	E		12		
		11	1319		1331	No Flare Patrol													
0089	RAMY	11	1552	1552	1601	S16	E11	7360	12	12.5	9	SF		3	E		16		F
0090	RAMY	11	1609	1615	1628	S15	E11	7360	12	12.5	19	SF C	1.3	3	E		14		F
0091		11	1802A	1807	1820	S06	W05	7362	12	11.4	18	SF C	1.3				22		F
	HOLL	11	1802	1807	1827	S05	W05	7362	12	11.4	25	SF C	1.3	3	E		31		
	RAMY	11	1806	1807	1813	S06	W05	7362	12	11.4	7	SF C	1.3	3	E		14		F
0092	HOLL	11	2149	2159	2217	S04	W09	7362	12	11.2	28	SF		3	E		17		F
0093	HOLL	11	2159	2202	2226	S16	E03	7360	12	12.1	27	SF C	1.2	3	E		14		F
0094	LEAR	11	2319	2319	2331	S18	E03	7360	12	12.2	12	SF		3	E		15		
0095		12	0059*	01103	0119	S16	E06	7360	12	12.5	20	SF					34	0.5	DEFIJ
	WATU	12	0059	0110	0116	S16	E07	7360	12	12.6	17	SF			C	0110	20	0.2	E
	LEAR	12	0101	0113	0124	S16	E05	7360	12	12.4	23	SF		3	E		28		F
	VORO	12	0111E		0125	S17	E05	7360	12	12.4	14D	SF		1	C	0115	90	1.0	DIJ
	MITK	12	0111	0111	0112	S16	E05	7360	12	12.4	1	SN			C	0111	20	0.2	D
	PALE	12	0112	0113	0119	S16	E07	7360	12	12.6	7	SF		3	E		14		
0096		12	0112	0116	0122	S12	E59	7366	12	16.5	10	SF					46	1.5	DJT
	VORO	12	0111E		0124	S13	E59	7366	12	16.5	13D	SF		1	C	0115	72	1.5	DJT
	PALE	12	0112	0116	0120	S11	E59	7366	12	16.5	8	SF		3	E		19		
0097	YUNN	12	0136E	0136U	0138	S15	E04	7360	12	12.4	2D	SN			P				E
0098	VORO	12	0226	0227	0233	S13	E59	7366	12	16.5	7	SF		1	C	0227	63	1.3	DJT
		12	0737		0739	No Flare Patrol													
		12	0916		0945	No Flare Patrol													
		12	0953		2349	No Flare Patrol													
0099		12	15427	15502	1609	S13	E50	7366	12	16.4	27	SF C	2.6				40		F
	HOLL	12	1542	1550	1619	S14	E49	7366	12	16.3	37	SF		3	E		67		F
	RAMY	12	1549	1552	1559	S12	E50	7366	12	16.4	10	SF C	2.6	4	E		14		F
0100	HOLL	12	1749	1803	1821	S14	E49	7366	12	16.4	32	SF		3	E		63		F
0101	RAMY	12	1855	1855	1904	S16	W04	7360	12	12.5	9	SF C	1.0	4	E		12		F
0102		13	0025	00321	0057	S12	E44	7366	12	16.3	32	SN C	4.1				94	2.0	E
	MITK	13	0025	0032	0051	S13	E45	7366	12	16.4	26	SN			C	0032	133	2.0	E
	LEAR	13	0025	0033	0103	S12	E44	7366	12	16.3	38	SF C	4.1	3	E		55		
0103	LEAR	13	0337	0417	0515	S06	W26	7362	12	11.2	98	SF B	9.2	3	E		49		
0104		13	05021	05041	0512	S14	E42	7366	12	16.4	10	SN C	2.4				72	1.4	D
	LEAR	13	0502	0505	0518	S14	E42	7366	12	16.4	16	SF C	2.4	3	E		46		
	MITK	13	0503	0504	0507	S13	E43	7366	12	16.4	4	SN			C	0504	99	1.4	D
0105	KANZ	13	0814E	0814U	0825	S06	E10	7363	12	14.1	11D	SF		2	C				
0106		13	0822	08227	0852	S06	W28	7362	12	11.2	30	1F					120		F
	KANZ	13	0822	0822	0825	S06	W27	7362	12	11.3	3	SF		2	C				
	LEAR	13	0829E	0829	0920	S07	W29	7362	12	11.2	51D	1F		3	E		120		F
0107	KANZ	13	0911	0911	0923	S16	W12	7360	12	12.5	12	SF		2	C				

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						Region	Lat								Cmd	Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
0108		13	09221	09274	0946	S06	W28	7362	12	11.3	24	SF				25			
	LEAR	13	0922	0927	0942	S04	W28	7362	12	11.3	20	SF	3	E		25			
	KANZ	13	0923	0931	0951	S07	W29	7362	12	11.2	28	SF	2	C					
0109	KANZ	13	0947	0951	1007	S11	E41	7366	12	16.5	20	SF	2	C					
0110		13	10163	1019	1055	S14	E40	7366	12	16.4	39	SF	C 2.5			60		F	
	LEAR	13	1016	1019	1041D	S14	E39	7366	12	16.4	25D	SF	C 2.5	3	E	60		F	
	KANZ	13	1019	1019	1055	S13	E41	7366	12	16.5	36	SF		2	C				
0111		13	12031	1207	1231	S12	E40	7366	12	16.5	28	SF	C 2.2			56		F	
	KANZ	13	1203	1207	1231	S12	E39	7366	12	16.4	28	SF		2	C				
	SVTO	13	1204	1211U	1238D	S12	E40	7366	12	16.5	34D	SF	C 2.2	2	E	56		F	
0112	KANZ	13	1247	1247	1251	S12	E39	7366	12	16.5	4	SF		2	C				
0113		13	1311	1315	1356	S12	E38	7366	12	16.4	45	SF	C 2.0			57		F	
	KANZ	13	1311	1315	1351D	S12	E37	7366	12	16.3	40D	SF		2	C				
	SVTO	13	1311	1316U	1356	S11	E38	7366	12	16.4	45	SF	C 2.0	2	E	57		F	
0114	PALE	13	2137	2144	2215	S04	W35	7362	12	11.3	38	SF		3	E	37			
0115	PALE	14	0147	0149	0152	S11	E33	7366	12	16.5	5	SF		3	E	35			
0116	PALE	14	0149	0150	0152	S08	W39	7362	12	11.1	3	SF		3	E	14			
0117	LEAR	14	0419	0427	0445	S11	E30	7366	12	16.4	26	SF		3	E	32		F	
0118		14	1041*	11213	1200	S26	W18		12	13.0	79	SF				58		F	
	KANZ	14	1041	1121	1153	S26	W18		12	13.0	72	SF		2	C				
	SVTO	14	1059	1124	1220	S27	W18		12	13.0	81	SF		3	E	57			
	RAMY	14	1117E	1121	1147	S24	W18		12	13.1	30D	SF		2	E	58		F	
0119		14	1747	1750	1826	S33	E38	7368	12	17.7	39	SF	C 3.5			41		FU	
	RAMY	14	1747	1750	1826	S33	E39	7368	12	17.8	39	SF	C 3.5	3	E	27		F	
	PALE	14	1755E	1758U	1830D	S33	E38	7368	12	17.8	35D	SF		3	E	55		U	
0120	PALE	14	1832	1833	1852	S05	W46	7362	12	11.3	20	SF		3	E	19		F	
0121	PALE	14	1853	1854	1857	S04	W46	7362	12	11.3	4	SF		3	E	20			
0122	PALE	14	1911	1932	1937	S32	E37	7368	12	17.7	26	SF		3	E	21		F	
0123	PALE	14	1940	1941	2001D	S33	E41	7368	12	18.1	21D	SF		3	E	23		F	
0124		14	2053	2055	2149	S34	E36	7368	12	17.7	56	1B	C 2.8			70		FU	
	HOLL	14	2053	2055	2149	S34	E35	7368	12	17.6	56	SN	C 2.8	3	E	39		UF	
	PALE	14	2100E	2116U	2200D	S33	E37	7368	12	17.8	60D	1B		3	E	101		F	
		14	2331		2346	No Flare Patrol													
0125	PALE	15	0034	0034	0038	S33	E38	7368	12	18.0	4	SF		3	E	10		F	
0126		15	0111*	0112*	0149	S20	W38	7360	12	12.1	38	1N	C 6.9			162	2.4	EFIJ	
	MITK	15	0111	0112	0118	S18	W40	7360	12	12.0	7	1B			C	0112	283	4.0	E
	VORD	15	0111	0112	0146	S19	W42	7360	12	11.8	35	SN		2	C	0115	125	1.8	EIJ
	LEAR	15	0111	0112	0151	S20	W37	7360	12	12.2	40	1N	C 6.9	3	E	110		F	
	VORD	15	0112	0117	0203	S21	W33	7360	12	12.5	51	SF		2	C	0117	81	1.0	EIJ
	PEKG	15	0133	0141	0205	S20	W39	7360	12	12.1	32	1N			P	0141	210	3.0	E
0127	LEAR	15	0419	0423	0429	S16	W54	7367	12	11.1	10	SF	C 1.6	3	E	70			
0128	LEAR	15	0454	0505	0508	S33	E33	7368	12	17.8	14	SF	C 1.4	3	E	51			
0129		15	07343	07427	0801	N10	W14	7364	12	14.3	27	SF				50		F	
	LEAR	15	0734	0742	0801	N10	W14	7364	12	14.3	27	SF		3	E	50		F	
	KANZ	15	0737	0749	0801	N09	W13	7364	12	14.3	24	SF		2	C				

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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)		
0130		15	08592	09048	0951	S32	E31	7368	12	17.8	52	1F	C	4.5			141	2.2	FU	
	LEAR	15	0859	0904	0955	S34	E30	7368	12	17.8	56	1F	C	4.5	3	E	121		F	
	KANZ	15	0901	0905	0957	S32	E31	7368	12	17.8	56	1F			2	C			U	
	BUCA	15	0910E	0912	0940	S31	E31	7368	12	17.8	300	1N				C	0912	161	2.2	U
0131		15	1157	1201	1222	S32	E30	7368	12	17.9	25	1F	C	2.9				42		F
	KANZ	15	1157	1201	1221	S33	E30	7368	12	17.9	24	1F			2	C				
	SVTO	15	1158E	1209U	1222	S32	E30	7368	12	17.9	24D	SF	C	2.9	3	E		42		F
		15	1354		1413	No Flare Patrol														
0132	RAMY	15	1657	1658	1709	S20	W46	7360	12	12.2	12	SF	C	1.9	3	E		14		F
0133	RAMY	15	2100E	2100U	2109D	S17	W47	7360	12	12.3	9D	SF			2	E		13		
0134	HOLL	15	2108	2115	2121D	S07	W62	7362	12	11.2	13D	SF			3	E		57		F
		15	2203		2234	No Flare Patrol														
		15	2236		2328	No Flare Patrol														
		15	2340		2345	No Flare Patrol														
		15	2347		2348	No Flare Patrol														
0135		16	03154	03173	0330	S19	W55	7360	12	11.9	15	1N	C	4.6				204	4.9	U
	MITK	16	0315	0317	0333	S18	W54	7360	12	12.0	18	1B				C	0317	273	4.9	
	PALE	16	0318E	0318U	0326	S20	W55	7360	12	11.9	8D	SF	C	4.6	2	E		87		
	PEKG	16	0319	0320	0330	S20	W57	7360	12	11.8	11	1B				P	0320	252	4.9	U
0136	YUNN	16	0412	0415	0432	S21	W49	7360	12	12.4	20	SN				C				E
0137		16	0547	0548*	0621	S19	W57	7360	12	11.9	34	1N	C	4.7				154	3.3	DF
	MITK	16	0547	0548	0623	S17	W56	7360	12	12.0	36	1B				C	0548	263	5.0	
	LEAR	16	0558E	0602	0625	S19	W57	7360	12	11.9	27D	1F	C	4.7	3	E		116		F
	PEKG	16	0605E	0605	0615	S20	W58	7360	12	11.8	10D	SN				P	0605	84	1.6	D
0138		16	0720*	0746	0846	S23	E41		12	19.5	86	1F	C	2.2				166		FU
	LEAR	16	0720	0746	0838	S23	E42		12	19.5	78	1F			2	E		132		F
	KANZ	16	0725E	0750U	0902	S23	E40		12	19.4	97D	2F			2	C				U
	SVTO	16	0734	0746	0839	S22	E40		12	19.4	65	1F	C	2.2	3	E		199		F
0139		16	08582	09104	1005	S12	E00	7366	12	16.4	67	1F						131		FU
	KANZ	16	0858	0910	1006	S11	E01	7366	12	16.4	68	1F			2	C				U
	SVTO	16	0859	0912	1004	S11	E00	7366	12	16.4	65	1F			3	E		138		F
	LEAR	16	0900	0914	1004	S13	E00	7366	12	16.4	64	1F			2	E		124		F
0140		16	0859*	0909*	0948	S19	W57	7360	12	12.0	49	SF	C	2.8				16		F
	SVTO	16	0859	0909	0954	S20	W56	7360	12	12.1	55	SF	C	2.8	3	E		16		F
	KANZ	16	0902	0934	0950	S18	W56	7360	12	12.1	48	SF			2	C				
	LEAR	16	0933	0933	0940	S18	W59	7360	12	11.9	7	SF			2	E		15		
0141	KHAR	16	0930E		0945	S09	E07	7366	12	16.9	15D	SF			1	V	0930			E
0142	KANZ	16	1038	1038	1042	S19	W56	7360	12	12.2	4	SF			2	C				
		16	1215		1227	No Flare Patrol														
		16	1229		1231	No Flare Patrol														
		16	1253		1255	No Flare Patrol														
		16	1303		1314	No Flare Patrol														
		16	1533		1537	No Flare Patrol														
0143	HOLL	16	1837	1844	1851	S10	W32	7363	12	14.4	14	SF			3	E		20		
0144	HOLL	16	2125	2125	2130	S16	W65	7360	12	12.0	5	SF			3	E		22		
0145	KANZ	17	1125	1129	1201	N11	W42	7364	12	14.3	36	2F			2	C				
		17	1354		1412	No Flare Patrol														
		17	2351		2355	No Flare Patrol														
		17	2359		2400	No Flare Patrol														
		18	1455		1500	No Flare Patrol														

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
													Time (UT)	Apparent (10-6 Disk)	
0146	HOLL	18	1818	1824	1832	S09 W49	7371	12 15.1	14	SF	3	E		12	
0147	HOLL	18	1844	1848	1856	S07 W59	7363	12 14.4	12	SF	3	E		14	
		18	2239		2248	No Flare Patrol									
		18	2250		2252	No Flare Patrol									
		18	2259		2324	No Flare Patrol									
0148		19	12172	1219	1223	N14 W37	7375	12 16.7	6	SF				12	
	SVTO	19	1217	1217U	1223	N13 W37	7375	12 16.7	6	SF	3	E		12	
	KANZ	19	1219	1219	1223	N15 W37	7375	12 16.7	4	SF	2	C			
0149	LEAR	20	0448	0456	0520	S10 E59	7374	12 24.6	32	SF C 1.3	3	E		42	F
		20	0501		0557	No Flare Patrol									
0150	LEAR	20	0652E	0652	0655	S09 E57	7374	12 24.6	3D	SF	3	E		15	
0151	RAMY	20	1727	1729	1742	S10 E53	7374	12 24.7	15	SF C 2.8	3	E		13	F
		20	2230		2233	No Flare Patrol									
		20	2310		2351	No Flare Patrol									
		20	2353		2400	No Flare Patrol									
0152	SVTO	21	0829E	0833U	0849	S08 W79	7371	12 15.4	20D	SF	2	E		35	H
0153	LEAR	21	0953	0956	1002	S10 E44	7374	12 24.7	9	SF	3	E		27	
0154	SVTO	21	1117	1123	1151	S09 E45	7374	12 24.8	34	SF B 9.3	3	E		15	F
0155	SVTO	21	1157	1202	1206	S33 W50	7368	12 17.5	9	SF	3	E		16	F
0156	SVTO	21	1204	1204	1210	N09 E57	7378	12 25.8	6	SF	3	E		11	F
0157	SVTO	21	1204	1205	1211	N13 W63	7375	12 16.7	7	SF	3	E		17	F
0158	SVTO	21	1212	1213	1235	S11 E44	7374	12 24.8	23	SF C 1.3	3	E		19	
		21	1921		1929	No Flare Patrol									
		21	2303		2352	No Flare Patrol									
0159	LEAR	22	0537	0542	0601	N13 W70	7375	12 16.9	24	SF	3	E		43	
0160		22	10521	10521	1058	N12 E46	7378	12 25.9	6	SF				13	
	SVTO	22	1052	1052	1058	N12 E46	7378	12 25.9	6	SF	3	E		13	
	KANZ	22	1053	1053	1057	N11 E45	7378	12 25.8	4	SF	2	C			
		22	1358		1417	No Flare Patrol									
0161		22	1448	1450	1459	S07 E26	7374	12 24.6	11	SF C 1.7				38	F
	HOLL	22	1446E	1448U	1459	S08 E27	7374	12 24.6	13D	SF	2	E		36	F
	RAMY	22	1448	1450	1503D	S06 E26	7374	12 24.6	15D	SF C 1.7	3	E		39	F
		22	1516		1524	No Flare Patrol									
		22	1526		1711	No Flare Patrol									
0162	HOLL	22	1658	1701	1722	S14 E12	7372	12 23.6	24	SF B 7.3	2	E		49	F
		22	1850		1856	No Flare Patrol									
		22	2336		2351	No Flare Patrol									
		22	2353		2400	No Flare Patrol									
		23	0000		0010	No Flare Patrol									
0163	LEAR	23	0437	0441	0453	S10 E15	7374	12 24.3	16	SF	3	E		44	F
0164	KANZ	23	0738E	0738U	0746	S10 E12	7374	12 24.2	8D	SF	2	C			



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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
														Time (UT)	Apparent (10-6 Disk)	
0165		23 1046*	1053*	1119	S07	E13	7374	12	24.4	33	SF B 8.1			23		F
	KANZ	23 1046	1054	1118	S06	E14	7374	12	24.5	32	SF	2	C			
	SVTO	23 1051	1053	1117	S05	E15	7374	12	24.6	26	SF B 8.1	3	E	23		F
	KANZ	23 1110	1114	1122	S11	E10	7374	12	24.2	12	SF	2	C			
0166	RAMY	23 1442	1442	1453	S06	E12	7374	12	24.5	11	SF C 1.0	3	E	21		
0167		23 1932	1932	2000	S07	E10	7374	12	24.6	28	SF C 1.5			24		F
	HOLL	23 1923E	1923U	1957	S08	E10	7374	12	24.5	34D	SF	3	E	29		F
	RAMY	23 1932	1932	2004	S06	E10	7374	12	24.6	32	SF C 1.5	3	E	18		F
		23 1934		1945	No Flare Patrol											
0168	HOLL	23 2028	2032	2047	S13	E11	7374	12	24.7	19	SF	3	E	33		F
		23 2242		2314	No Flare Patrol											
		23 2316		2400	No Flare Patrol											
0169	LEAR	23 2324	2326	2337	S12	E10	7374	12	24.7	13	SF	3	E	34		F
		24 0000		0017	No Flare Patrol											
		24 0103		0112	No Flare Patrol											
0170	LEAR	24 0142	0143	0146	S08	E06	7374	12	24.5	4	SF	3	E	32		F
0171	LEAR	24 0148	0151	0211	S07	W43	7370	12	20.8	23	SF	3	E	53		F
0172	LEAR	24 0314	0320	0347	S06	E07	7374	12	24.6	33	SF	3	E	32		F
0173	LEAR	24 0408	0408	0412	S06	W41	7370	12	21.1	4	SF	3	E	11		
0174	LEAR	24 0600	0606	0624	S06	E06	7374	12	24.7	24	SF B 4.9	3	E	30		
0175	LEAR	24 0740	0746	0752	S09	W45	7370	12	20.9	12	SF	3	E	30		
		24 0909		1027	No Flare Patrol											
		24 1046		1056	No Flare Patrol											
		24 1245		1411	No Flare Patrol											
0176	PALE	24 1854	1902	1910D	N05	E47	7381	12	28.3	16D	SF B 4.9	3	E	35		H
0177		25 01381	0140	0207	S06	W06	7374	12	24.6	29	1B C 2.5			144	1.9	EFU
	LEAR	25 0138	0140	0217	S06	W06	7374	12	24.6	39	1B C 2.5	3	E	103		UF
	MITK	25 0139	0140	0157	S06	W06	7374	12	24.6	18	SB		C	0140	1.9	E
0178	LEAR	25 0435	0435	0441	S08	W08	7374	12	24.6	6	SF B 7.8	3	E	21		
		25 1314		1322	No Flare Patrol											
		25 1345		1401	No Flare Patrol											
		26 0454		0458	No Flare Patrol											
		26 0533		0535	No Flare Patrol											
		26 1528		1617	No Flare Patrol											
0179	HOLL	26 1618E	1618U	1710	S16	E38	7382	12	29.6	52D	SF C 1.1	2	E	46		F
		26 1720		1747	No Flare Patrol											
		26 1910		2000	No Flare Patrol											
0180	HOLL	26 2158	2158	2216	N18	W19	7376	12	25.5	18	SF B 5.2	3	E	36		F
		26 2356		2400	No Flare Patrol											
		27 0602		0634	No Flare Patrol											
0181		27 07355	07434	0804	N04	E54		12	31.3	29	SF B 4.4			28		F
	KANZ	27 0735	0743	0815	N04	E53		12	31.3	40	SF	2	C			
	LEAR	27 0740	0747	0753	N03	E55		12	31.4	13	SF B 4.4	3	E	33		F
	SVTO	27 0749E	0751U	0755D	N05	E54		12	31.4	6D	SF	2	E	24		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0182		27	1344	1352	1404	S11	E09	7379	12	28.2	20	SF					30		
	KANZ	27	1344	1352	1400D	S12	E09	7379	12	28.2	16D	SF	2	C					
	SVTO	27	1345E	1358U	1404	S10	E09	7379	12	28.2	19D	SF	2	E			30		
		27	1541		1543													No Flare Patrol	
		27	1628		1640													No Flare Patrol	
		27	1652		1659													No Flare Patrol	
		27	2108		2125													No Flare Patrol	
		27	2132		2143													No Flare Patrol	
		27	2254		2400													No Flare Patrol	
		28	0000		0100													No Flare Patrol	
0183		28	0638*	0644*	0712	N15	W41	7376	12	25.2	34	SN	C 2.5				136	1.4	DEF
	LEAR	28	0638	0657	0740	N14	W40	7376	12	25.2	62	1B	C 2.5	3	E		174		FE
	MITK	28	0640	0644	0644	N16	W41	7376	12	25.2	4	SN			C	0644	99	1.4	
	YUNN	28	0648	0651U	0651D	N14	W41	7376	12	25.2	3D	SN			P				D
0184	KANZ	28	0922	0922	0926	S05	W04	7383	12	28.1	4	SF		2	C				
0185	KANZ	28	1018	1022	1030	N14	W42	7376	12	25.2	12	SF		2	C				
		28	1327		1344														No Flare Patrol
		28	1346		1419														No Flare Patrol
		28	2357		2400														No Flare Patrol
		29	0000		0129														No Flare Patrol
0186	LEAR	29	0126	0127	0154	N15	W50	7376	12	25.3	28	SF	B 8.0	3	E		37		F
0187		29	08255	08333	0846	N14	W54	7376	12	25.3	21	SF					26		F
	KANZ	29	0825	0833	0849	N15	W54	7376	12	25.3	24	SF		2	C				
	LEAR	29	0830	0836	0844	N14	W54	7376	12	25.3	14	SF		3	E		26		F
0188	KANZ	29	0909	0917	0921	N14	W56	7376	12	25.1	12	SF		2	C				
0189	KANZ	29	0937	0937	0945	N14	W54	7376	12	25.3	8	SF		2	C				
0190	KANZ	29	1005	1009	1029	S11	W15	7379	12	28.3	24	SF		2	C				
0191	KANZ	29	1033	1037	1101	N03	E27		12	31.4	28	SF		2	C				
0192		29	1309*	1403	1513	N14	W56	7376	12	25.3	124	SF	B 4.1				22		
	KANZ	29	1309	1349U	1357D	N15	W55	7376	12	25.4	48D	SF		2	C				
	RAMY	29	1325	1403	1513	N14	W57	7376	12	25.2	108	SF	B 4.1	3	E		22		
0193		29	1514*	1531*	1620	N14	W58	7376	12	25.2	66	SF					35		
	RAMY	29	1514	1531	1547	N14	W56	7376	12	25.4	33	SF		3	E		16		
	HOLL	29	1538E	1622U	1628D	N15	W58	7376	12	25.3	50D	SF		2	E		75		
	RAMY	29	1631	1634	1653	N13	W59	7376	12	25.2	22	SF		3	E		14		
		29	1716		1719														No Flare Patrol
		29	2007		2031														No Flare Patrol
		29	2039		2048														No Flare Patrol
		29	2115		2144														No Flare Patrol
		29	2306		2356														No Flare Patrol
		29	2358		2400														No Flare Patrol
		30	0000		0014														No Flare Patrol
0194		30	0035	0039	0041	N13	W64	7376	12	25.2	6	SF	B 6.7				24		F
	PALE	30	0034E	0039U	0041D	N12	W63	7376	12	25.3	7D	SF		2	E		34		
	LEAR	30	0035	0039	0041	N14	W65	7376	12	25.1	6	SF	B 6.7	3	E		13		F
0195	LEAR	30	0253	0304	0324	N14	W63	7376	12	25.3	31	SF	C 1.6	3	E		23		F
0196	LEAR	30	0337	0416	0433	N15	W64	7376	12	25.3	56	SF		3	E		32		
0197	LEAR	30	0627	0632	0634	N15	W65	7376	12	25.3	7	SF	C 1.4	3	E		31		
		30	0631		0635														No Flare Patrol

DECEMBER 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray	Obs See	Type	Area Measurement		Remarks	
															Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
0198	30	0810*	08203	0849	N14	W65	7376	12	25.4	39	SF	C	2.8		32		FK	
	ISTA	30	0810		0910	N16	W67	7376	12	25.2	60	1N		V			FK	
	LEAR	30	0819	0823	0830	N14	W66	7376	12	25.3	11	SF	C	2.8	3	E		
	KANZ	30	0820	0820	0848	N15	W63	7376	12	25.6	28	SF			2	C		
	SVTO	30	0849E	0849U	0907D	N13	W65	7376	12	25.5	18D	SF			2	E		
0199	30	09382	09397	0952	N15	W67	7376	12	25.3	14	SF	C	5.2		34		F	
	LEAR	30	0938	0939	0949	N15	W69	7376	12	25.2	11	SF	C	5.2	3	E		
	SVTO	30	0938	0946	0947D	N15	W68	7376	12	25.2	9D	SF			3	E	F	
	KANZ	30	0940	0940	0956	N16	W65	7376	12	25.5	16	SF			2	C		
0200	KANZ	30	1024	1028U	1028D	S20	W14	7382A	12	29.4	4D	SF			2	C		
		30	1029		1053	No Flare Patrol												
0201	KANZ	30	1306	1306	1326	S10	W34	7379	12	28.0	20	SF			2	C		
		30	1411		1420	No Flare Patrol												
0202	LEAR	31	0037	0052	0100	S11	W40	7379	12	28.0	23	SF			3	E	31	F
0203	LEAR	31	0141	0141	0148	N02	W68	7384	12	26.0	7	SF			3	E	21	
0204	31	02146	0214*	0242	N16	W70	7376	12	25.8	28	1B	M	2.6		91		F	
	LEAR	31	0214	0214	0229	N17	W80	7376	12	25.0	15	SN	M	2.6	3	E	13	F
	MITK	31	0220	0231	0254	N16	W60	7376	12	26.5	34	1B			C	0231	169	
0205	KANZ	31	1100	1100	1104	S13	W45	7379	12	28.1	4	SF			2	C		
		31	1531		1656	No Flare Patrol												
0206	RAMY	31	1926	1929	1956	S10	W49	7379	12	28.1	30	SF	C	6.3	3	E	34	FU
		31	2038		2145	No Flare Patrol												
		31	2246		2400	No Flare Patrol												

"Remarks"

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