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Data for December 1992

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Number 586

(Issued in Two Parts)

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DATA FOR DECEMBER 1992

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DECEMBER 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		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

Hα SOLAR FLARES

DECEMBER 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
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	E
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

Hα S O L A R F L A R E S

DECEMBER 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0042		04	08442	08461	0904	N20	W76	7352	11	28.6	20	SF					54		F
	LEAR	04	0844	0847	0918	N20	W76	7352	11	28.6	34	SF		3	E		76		F
	SVTO	04	0846	0846	0851	N20	W76	7352	11	28.6	5	SF		3	E		33		
0043	KANZ	04	1055E	1055U	1059D	N21	W70	7352	11	29.2	4D	SF		2	C				
0044		04	1118	1139U	1146	N20	W72	7352	11	29.1	28	SF	M 1.4				37		
	KANZ	04	1114E	1140U	1140D	N20	W74	7352	11	28.9	26D	SF		2	C				
	SVTO	04	1118	1139U	1146	N19	W71	7352	11	29.1	28	SF	M 1.4	3	E		37		
		04	1120		1122	No Flare Patrol													
		04	1125		1130	No Flare Patrol													
		04	1141		1155	No Flare Patrol													
0045	RAMY	04	1241	1241	1245	N21	W80	7352	11	28.5	4	SF	C 2.8	3	E		28		H
0046	RAMY	04	1402	1429U	1433	N20	W74	7352	11	29.0	31	SF	C 1.6	3	E		22		
0047	RAMY	04	1513	1516	1525	N20	W73	7352	11	29.1	12	SF	C 3.6	3	E		19		
0048	RAMY	04	1733	1734	1735D	N19	W67	7352	11	29.7	2D	SF	M 2.1	3	E		34		H
0049	PALE	04	1752E	1758U	1923D	N18	W77	7352	11	29.0	91D	SF		2	E		52		
0050	LEAR	05	0204	0205	0209	N20	W80	7352	11	29.1	5	SF	B 9.6	3	E		28		
0051	PALE	05	1852E	1855U	1938D	S08	E35		12	8.4	46D	SF		2	E		23		
		05	1959		2020	No Flare Patrol													
		05	2025		2134	No Flare Patrol													
		05	2236		2247	No Flare Patrol													
		05	2319		2344	No Flare Patrol													
		05	2346		2353	No Flare Patrol													
		06	0359		0419	No Flare Patrol													
		06	0432		0449	No Flare Patrol													
		06	0456		0458	No Flare Patrol													
		06	0513		0554	No Flare Patrol													
		06	0831		1004	No Flare Patrol													
		07	0018		0020	No Flare Patrol													
		07	0100		0126	No Flare Patrol													
		07	0130		0223	No Flare Patrol													
0052	LEAR	07	0301	0310	0345	S16	W73	7361	12	1.6	44	SF		3	E		29		
0053	LEAR	07	0407	0409	0417	S16	W74	7361	12	1.5	10	SF	C 2.1	3	E		42		
0054	LEAR	07	0424	0425	0430	S16	W74	7361	12	1.6	6	SF		3	E		53		
		07	0745		0746	No Flare Patrol													
0055	SVTO	07	0818	0821	0841	S16	W77	7361	12	1.5	23	SF		3	E		22		F
0056		07	08576	0901*	0931	S16	W76	7361	12	1.6	34	SF	B 5.0				28		
	LEAR	07	0857	0901	0908	S16	W76	7361	12	1.6	11	SF		2	E		36		
	SVTO	07	0903	0927	0954	S16	W77	7361	12	1.5	51	SF	B 5.0	3	E		20		
0057	ONDR	07	1001E	1001U	1016D	S15	W79	7361	12	1.4	15D	1B			P	1001	72	4.2	E
0058	PALE	07	2213E	2242	2252	S14	E64	7360	12	12.8	39D	SF	C 4.3	3	E		65		H
		07	2340		2400	No Flare Patrol													
		08	0000		0020	No Flare Patrol													
		08	0023		0027	No Flare Patrol													
		08	0029		0059	No Flare Patrol													
0059	YUNN	08	0217E	0217U	0235	S08	E87	7363	12	14.6	18D				P				Y
0060	YUNN	08	0218E	0227	0235	S14	W81	7361	12	2.0	17D	SN			P				A

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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	00162	00191	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	22561	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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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	18024	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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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
	VORO	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
	VORO	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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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	30D	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													

Hα S O L A R F L A R E S

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
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				

Hα SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
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	185	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

Hα SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
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														

Hα SOLAR FLARES

DECEMBER 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
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		32		
	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		31		
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		37		
	SVTO	30	0938	0946	0947D	N15	W68	7376	12	25.2	9D	SF		3	E		31		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													

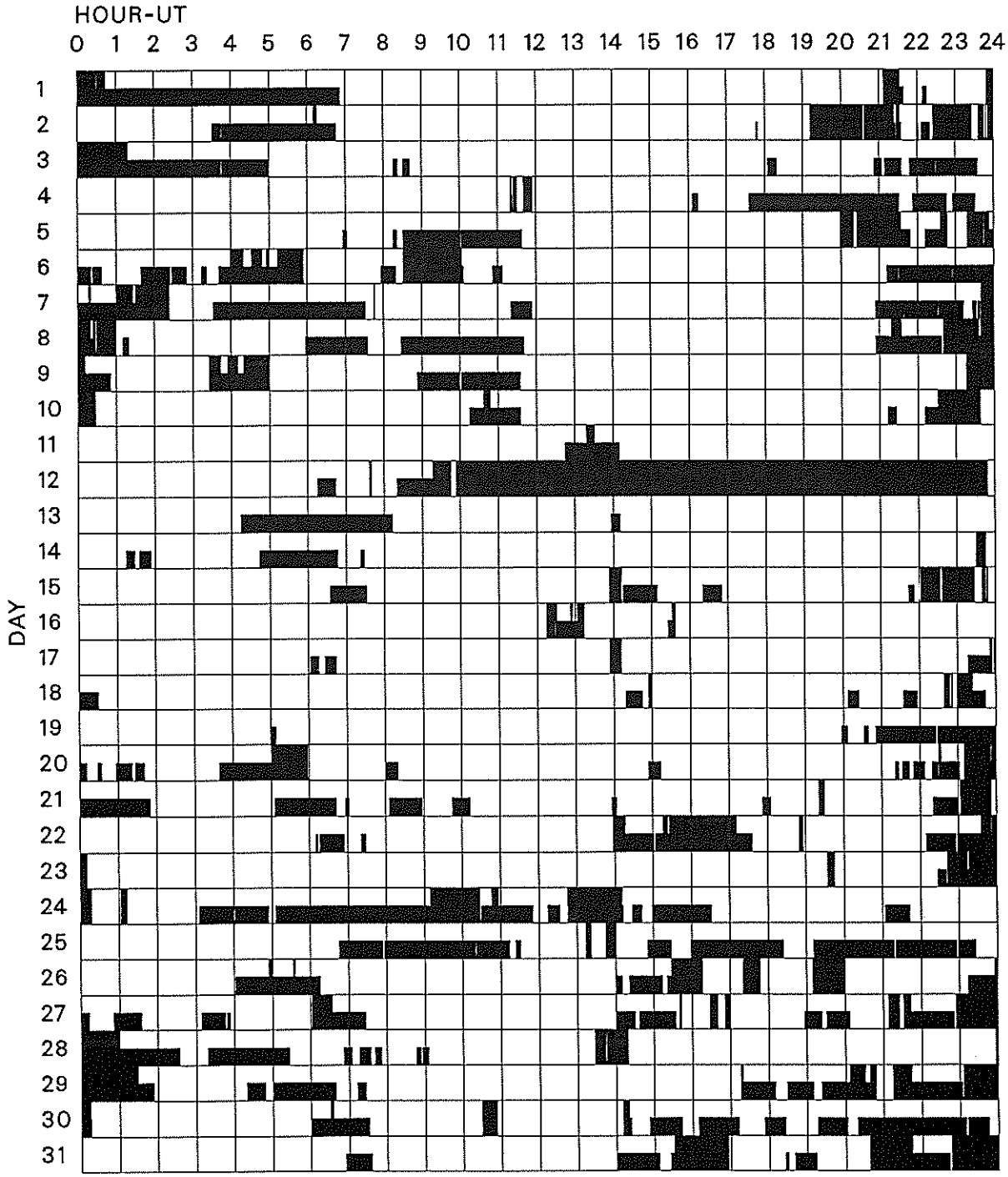
"Remarks"

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

INTERVALS OF NO FLARE PATROL OBSERVATION
FOR PRECEDING SOLAR FLARE TABLE

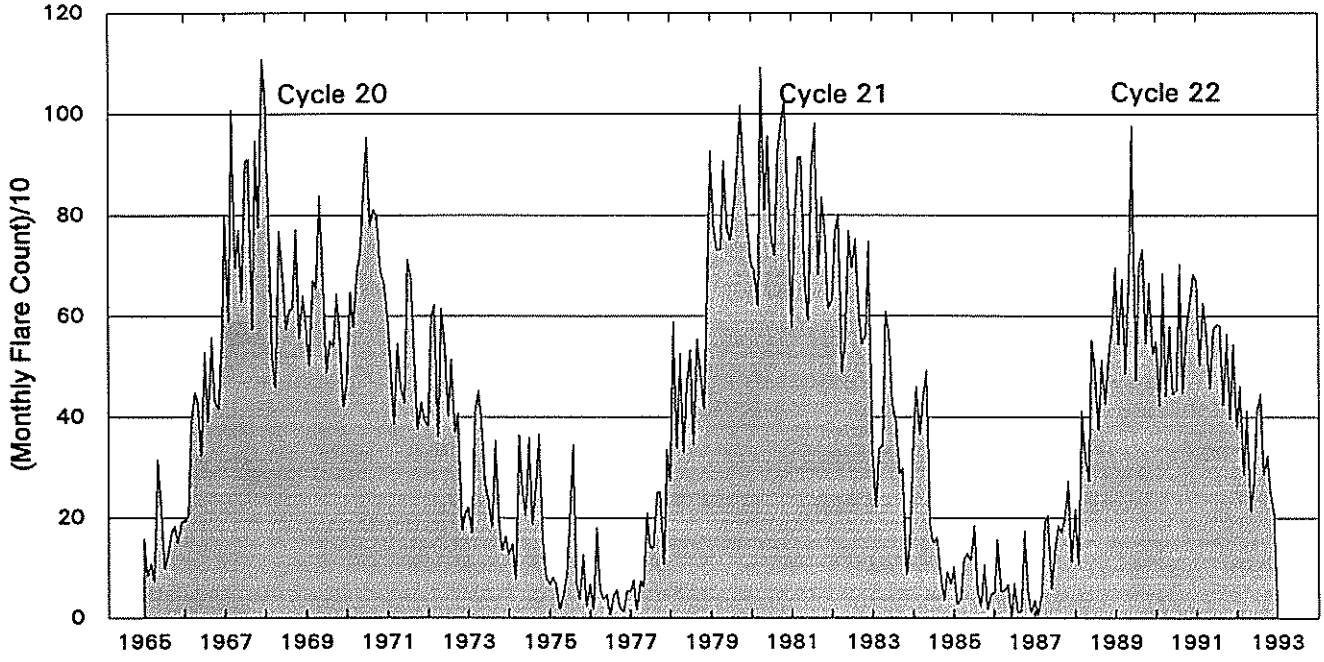
DECEMBER 1992



Times of no flare patrol, shown here as shaded areas, combine reports from the stations listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind (neither visual nor cinematographic); portions of a panel with only the bottom half shaded mark times of only visual patrol.

Abastumani	Holloman	Kharkov	Palehau	Tashkent
Athens	Istanbul	Learmonth	Peking	Voroshilov
Bucharest	Kanzelhoehe	Mitaka	Ramey	Watukosek
		Ondrejov	San Vito	Yunnan

Monthly Counts of Grouped Solar Flares



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	158	85	110	74	315	231	99	127	173	184	150	193	1899
1966	194	205	390	449	429	323	528	391	558	432	417	543	4859
1967	796	589	1009	694	771	629	907	911	573	946	775	1109	9709
1968	1037	773	519	460	768	697	573	611	616	772	556	640	8022
1969	581	504	669	655	839	694	489	551	540	643	566	422	7153
1970	466	646	578	688	722	836	954	780	811	797	687	667	8632
1971	598	505	387	546	461	430	713	673	518	375	431	394	6031
1972	384	599	621	361	614	541	404	515	371	408	175	210	5203
1973	221	171	410	453	388	270	232	182	353	201	136	163	3180
1974	127	148	79	364	255	204	360	187	270	366	153	81	2594
1975	68	82	69	19	42	85	196	346	68	38	127	25	1165
1976	69	18	180	60	38	48	6	47	57	23	13	55	614
1977	54	77	18	76	64	210	140	140	250	252	107	336	1724
1978	274	588	338	526	330	460	533	346	554	499	418	648	5514
1979	926	781	731	731	907	772	750	821	901	1018	888	786	10012
1980	703	689	621	1092	811	956	763	720	924	988	1027	838	10132
1981	578	782	914	915	658	592	893	982	680	836	773	615	9218
1982	631	766	803	490	553	769	696	753	615	544	564	748	7932
1983	332	220	337	346	609	561	427	389	289	298	88	152	4048
1984	353	461	366	440	492	185	151	161	95	36	92	69	2901
1985	104	29	38	119	129	116	185	53	25	108	19	50	975
1986	51	158	54	56	68	3	71	12	14	174	56	13	730
1987	36	7	52	192	205	61	132	185	172	198	273	114	1627
1988	217	109	413	328	274	551	502	375	513	429	518	587	4816
1989	695	544	672	488	691	977	474	699	733	547	665	526	7711
1990	550	424	684	442	580	445	454	703	449	574	623	682	6610
1991	672	503	625	570	458	574	582	581	425	565	396	544	6495
1992	380	462	287	412	214	271	413	447	287	325	248	206	3952

Monthly totals for the last 6 months may change significantly, as more stations submit their reports. The term "grouped" means that observations of the same event by different sites have been lumped together and counted as one.

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

DECEMBER 1992

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
01	235	CUBA	44	NS	1252.0E		540.0D		13.0		
	280	CUBA	44	NS	1252.0E		540.0D		16.0		
	245	LEAR	4	S/F	0755.0	0758.0	3.0	250.0			QL=4 ST=2 TYP=3
	410	LEAR	49	GB	0758.0	0758.0	U	550.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0758.0	0758.0	U	180.0			QL=4 ST=2 TYP=3
	260	ONDR	45	C	0948.5	0951.0		59.0			
	260	ONDR	45	C	0948.5	0949.6	10.0	60.0			
	3013	IZMI	1	S	0949.0	0951.5	4.0	2.0			
	2950	GORK	1	S	0949.0	0950.6	3.7	4.0			
	410	LEAR	4	S/F	1020.0	1025.0	8.0	54.0			QL=4 ST=2 TYP=3
	3013	IZMI	22	GRF	1020.0	1025.5	20.0	3.0			
	260	ONDR	48	C	1021.0	1025.1	6.0	315.0			
	410	SVTO	8	S	1025.0	1025.0	U	69.0			QL=4 ST=3 TYP=3
	2950	GORK	2	S/F	1059.7	1100.3	0.9	7.0			
	2800	PENT	1	S	1756.5	1756.9	2.2	7.4	4.0		
	15400	PALE	20	GRF	1757.0	1800.0	36.0	33.0			QL=2 ST=2 TYP=2
02	127	TORN	44	NS	0700.0E		440.0D		4.0		V=1
	235	CUBA	44	NS	1950.0E		120.0D		9.0		
	280	CUBA	44	NS	1950.0E		120.0D		15.0		
	2950	GORK	1	S	0728.8	0729.4	1.2	5.0			
	3013	IZMI	1	S	0729.1	0729.3	1.0	2.0			
	2950	GORK	1	S	0906.2	0907.0	3.6	3.0			
03	280	CUBA	44	NS	1301.0E		540.0D		16.0		
	235	CUBA	44	NS	1301.0E		540.0D		9.0		
04	235	CUBA	44	NS	1257.0E		529.0D		8.0		
	280	CUBA	44	NS	1257.0E		529.0D		15.0		
	3013	IZMI	1	S	0843.3	0844.0	1.0	6.0			
	8400	BERN	46	C	1136.2	1138.5	10.3	4.5			
	11800	BERN	46	C	1137.4	1138.5	5.2	2.9			
	5200	BERN	46	C	1138.1	1139.8	4.5	2.3			
	3100	BERN	3	S	1138.1	1139.8	3.7	1.3			
	9500	CUBA	20	GRF	1347.0	1352.0	29.0	8.0	4.0		
	9500	CUBA	20	GRF	1517.0	1559.0	118.0	8.0	4.0		
	9500	CUBA	21	GRF	1730.0	1741.0	58.0	24.0	12.0		
	9500	CUBA	3	S	1731.0	1731.5	3.8	175.0	26.0		
	8800	PALE	8	S	1732.0	1732.0	1.0	140.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	1732.0	1732.0	1.0	64.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	1732.0	1732.0	1.0	110.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1732.0	1732.0	1.0	79.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1732.0	1732.0	1.0	130.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1732.0	1732.0	1.0	160.0			QL=4 ST=2 TYP=3
05	235	CUBA	44	NS	1251.0E		549.0D		13.0		
	280	CUBA	44	NS	1251.0E		545.0D		15.0		
	245	PALE	8	S	0325.0	0326.0	2.0	220.0			QL=4 ST=2 TYP=3
	9100	GORK	20	GRF	0642.0	0711.5	105.0	14.0			
06	950	GORK	4	S/F	0758.0	0758.8	1.3	23.0			
	650	GORK	4	S/F	0758.1	0759.1	1.2	14.0			
	2950	GORK	2	S/F	0758.5	0758.9	1.2	19.0			
07	280	CUBA	44	NS	1303.0E		387.0D		18.0		
	235	CUBA	44	NS	1303.0E		387.0D		9.0		
	610	SGMR	8	S	1553.0	1553.0	1.0	150.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2210.0	2214.0	8.0	41.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2210.0	2213.0	8.0	17.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2211.0	2214.0	7.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2211.0	2214.0	7.0	35.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	2211.0	2214.0	7.0	37.0			QL=2 ST=2 TYP=3
	1415	PALE	4	S/F	2211.0	2214.0	7.0	59.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	2211.0	2213.0	7.0	200.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2213.0	2214.0	4.0	100.0			QL=4 ST=2 TYP=5
	15400	LEAR	4	S/F	2213.0	2214.0	4.0	52.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2213.0	2213.0	1.0	340.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	2214.0	2214.0	3.0	53.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2214.0	2214.0	U	37.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
07	4995	LEAR	8	S	2214.0	2214.0	U	43.0			QL=4 ST=2 TYP=3
08	127	TORN	43	NS	0840.0	0918.8	77.0	40.0	1.0		V=1
	127	TORN	43	NS	1039.0	1212.2	153.0	40.0	2.0		V=2
	235	CUBA	44	NS	1338.0E		478.0D		10.0		
	280	CUBA	44	NS	1338.0E		478.0D		19.0		
	950	GORK	22	GRF	0827.7	0928.7	91.2	15.0			
	950	GORK	23	GRF	1006.9	1113.7	107.1D	21.0			
	650	GORK	4	S/F	1035.4	1035.6	0.5	164.0			
	950	GORK	4	S/F	1035.6	1035.7	0.3	43.0			
09	235	CUBA	44	NS	1515.0E		285.0D		10.0		
	280	CUBA	44	NS	1515.0E		285.0D		15.0		
	410	PALE	8	S	0010.0	0010.0	1.0	19.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0010.0	0010.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0235.0	0236.0	1.0	68.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0236.0	0236.0	U	18.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0236.0	0236.0	U	65.0			QL=4 ST=2 TYP=3
	950	GORK	20	GRF	0746.4	0927.6	245.0D	20.0			
	2950	GORK	20	GRF	0948.0	0955.8	15.0	4.0			
	260	ONDR	40	F	0950.0	1119.0	130.0	640.0			
	3013	IZMI	7	C	1041.0	1043.5	35.0	17.0			
	2950	GORK	2	S/F	1041.7	1043.5	3.6	10.0			
	3013	IZMI	1	S	1117.0	1118.2	2.0	0.9			
	2950	GORK	3	S	1117.3	1118.4	1.9	13.0			
	410	SVTO	49	GB	1118.0	1118.0	1.0	1200.0			QL=4 ST=2 TYP=6
	2695	SVTO	8	S	1118.0	1118.0	U	22.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1118.0	1119.0	2.0	340.0			QL=4 ST=2 TYP=3
	127	TORN	46	C	1118.2	1121.2	9.0	110.0	20.0		
	33	UPIC	45	C	1118.2	1119.5	3.0				
	245	PALE	8	S	1926.0	1926.0	U	120.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1926.0	1926.0	U	120.0			QL=4 ST=2 TYP=3
10	127	TORN	43	NS	0726.0		180.0		2.0		V=0
	260	ONDR	44	NS	0950.0E	1121.0	130.0D	48.0			
	280	CUBA	44	NS	1450.0E		392.0D		15.0		
	17000	NOBE	1	S	2255.2	2255.3	1.0	32.0			80,35GHZ:0
11	127	TORN	43	NS	0842.0		284.0		3.0		V=1
	260	ONDR	44	NS	0950.0E	1047.0	130.0D	130.0			
	245	PALE	43	NS	1729.0	2336.0	604.0	160.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2221.0	2336.0	181.0	170.0			QL=2 ST=2 TYP=1
	200	HIRA	43	NS	2320.0	0002.0	460.0D	80.0	30.0		WL
	245	SVTO	8	S	0856.0	0856.0	U	65.0			QL=2 ST=2 TYP=3
	650	GORK	4	S/F	1054.2	1054.3	0.4	37.0			
	950	GORK	4	S/F	1054.2	1054.3	0.4	24.0			
12	245	SVTO	43	NS	0727.0	1041.0	450.0	100.0			QL=4 ST=2 TYP=1
	127	TORN	43	NS	0812.0		308.0		5.0		V=1
	260	ONDR	44	NS	0950.0E	1017.0	130.0D	220.0			
	200	HIRA	44	NS	2200.0E	0243.0	240.0D	40.0	15.0		O
	245	PALE	43	NS	2202.0	2203.0	104.0	70.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2251.0	0122.0	327.0	190.0			QL=4 ST=2 TYP=1
	410	LEAR	8	S	0857.0	0857.0	1.0	84.0			QL=4 ST=2 TYP=3
	536	ONDR	8	S	1246.4	1246.5	0.3	77.0			
	245	PALE	8	S	1825.0	1825.0	1.0	74.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2054.0	2055.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2356.0	2356.0	U	150.0			QL=4 ST=2 TYP=3
13	245	PALE	43	NS	0114.0	0117.0	139.0	190.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0627.0	0627.0	256.0	81.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0704.0	1431.0	473.0	230.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	0950.0E	0000.0U	130.0D	U			
	127	TORN	43	NS	1112.0		96.0		3.0		V=1
	245	SGMR	43	NS	1230.0	1434.0U	690.0	210.0			QL=2 ST=1 TYP=1
	245	PALE	44	NS	1833.0E	1834.0	502.0D	170.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1910.0E		165.0D		14.0		
	280	CUBA	44	NS	1910.0E		165.0D		24.0		
	245	LEAR	43	NS	2151.0	2204.0	219.0	78.0			QL=4 ST=2 TYP=1

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
13	3013	IZMI	1	S	0705.0	0705.0	1.0	3.0	0.2		
	9100	GORK	2	S/F	0705.1	0705.6	9.6	19.0			
	9100	GORK	20	GRF	0723.1	1027.5	222.9	15.0			
	3013	IZMI	1	S	0809.0	0809.7	1.0	3.0	0.2		
	127	TORN	41	F	0838.4	0844.1	9.5	30.0	1.0		
	2950	GORK	2	S/F	1016.5	1018.7	5.5	7.0			
	3013	IZMI	5	S	1017.5	1018.3	4.5	1.1	0.6		
	245	SGMR	8	S	1314.0	1314.0	U	280.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1314.0	1314.0	1.0	360.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1332.0	1332.0	U	410.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1332.0	1332.0	U	400.0			QL=2 ST=2 TYP=3
14	245	PALE	43	NS	0242.0	0243.0	52.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0244.0	0937.0	479.0	270.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0628.0	0937.0U	510.0	350.0			QL=4 ST=2 TYP=1
	127	TORN	43	NS	0835.0	1057.8	265.0	100.0	4.0		V=1
	260	ONDR	44	NS	0950.0E	1119.0	130.0D	455.0			
	245	SGMR	43	NS	1231.0	1249.0	494.0	310.0			QL=2 ST=2 TYP=1
	235	CUBA	44	NS	1335.0E		267.0D		38.0		
	280	CUBA	44	NS	1335.0E		267.0D		45.0		
	245	PALE	43	NS	1720.0	1749.0U	614.0	260.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2152.0	2258.0	510.0	260.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0154.0	0155.0	2.0	59.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0218.0	0219.0	1.0	110.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0242.0	0243.0	1.0	110.0			QL=2 ST=2 TYP=3
	245	SVTO	4	S/F	0803.0	0803.0	3.0	100.0			QL=4 ST=2 TYP=3
	9100	GORK	1	S	0804.5	0804.9	0.7	6.0			
	245	SGMR	49	GB	1719.0	1720.0	1.0	690.0			QL=2 ST=2 TYP=6
	2800	PENT	3	S	2050.5	2053.9	10.2	9.6	3.0		
	1415	PALE	4	S/F	2051.0	2054.0	7.0	24.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2057.0	2057.0	U	94.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2108.0	2109.0	2.0	150.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2109.0	2109.0	2.0	330.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	2112.0	2115.0	8.0	200.0			QL=4 ST=2 TYP=3
15	200	HIRA	43	NS	0343.0	0426.0	180.0D	80.0	30.0		O
	245	SVTO	43	NS	0912.0	1005.0	193.0	120.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	0950.0E	1003.0	130.0D	315.0			
	127	TORN	43	NS	1000.0		200.0		3.0		V=1
	245	LEAR	43	NS	1007.0	1026.0	37.0	120.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1259.0E		530.0D		23.0		
	280	CUBA	44	NS	1259.0E		530.0D		23.0		
	245	SGMR	43	NS	2004.0	2010.0	41.0	140.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	2006.0	0155.0	448.0	210.0			QL=4 ST=2 TYP=1
	2840	PEKG	5	S	0110.0	0111.8	6.0	116.9			
	4995	LEAR	8	S	0111.0	0111.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0111.0	0111.0	1.0	45.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0111.0	0111.0	3.0	110.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0111.0	0111.0	1.0	29.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0111.0	0111.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0111.0	0111.0	1.0	44.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0111.0	0111.0	2.0	97.0			QL=2 ST=2 TYP=3
	2840	PEKG	5	S	0420.0	0421.1	4.0	16.7			
	245	LEAR	8	S	0734.0	0735.0	1.0	120.0			QL=4 ST=2 TYP=3
	950	GORK	21	GRF	0839.5	0912.4	65.8	9.0			
	650	GORK	21	GRF	0847.5	0912.4	65.4	4.0			
	650	GORK	46	C	0900.6		11.8	64.0			
	650	GORK	46	C	0900.6	0908.5		14.0			
	650	GORK	46	C	0900.6	0904.9		32.0			
	950	GORK	46	C	0900.7	0908.5		9.0			
	950	GORK	46	C	0900.7	0904.9		97.0			
	950	GORK	46	C	0900.7	0901.9	11.7	28.0			
	600	HUMN	2	S/F	0900.8	0902.0	11.0	27.0	7.0		
	410	LEAR	4	S/F	0901.0	0901.0	3.0	38.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0901.0	0901.0	2.0	63.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0901.0	0901.0	7.0	45.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	0901.0	0901.0	4.0	69.0			QL=4 ST=2 TYP=3
	2950	GORK	1	S	0902.5	0902.7	0.6	4.0			
	1415	LEAR	8	S	0904.0	0904.0	1.0	35.0			QL=4 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
15	1415	SVTO	4	S/F	0904.0	0904.0	4.0	31.0			QL=4 ST=2 TYP=3
	3013	IZMI	5	S	0907.7	0908.4	4.5	1.0	0.6		
	2950	GORK	1	S	0907.8	0908.5	3.7	7.0			
	536	ONDR	27	RF	1157.5	1210.0	30.0	90.0			
	808	ONDR	5	S	1158.8	1200.0	3.5	100.0			
	245	SGMR	8	S	1326.0	1326.0	U	84.0			QL=4 ST=3 TYP=3
	245	SVTO	8	S	1326.0	1326.0	U	87.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1328.0	1329.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1328.0	1329.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1452.0	1452.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1452.0	1452.0	1.0	130.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1536.0	1537.0	2.0	69.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1707.0	1709.0	2.0	74.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1750.0	1750.0	U	62.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1932.0	1933.0	1.0	55.0			QL=4 ST=2 TYP=3
16	200	HIRA	43	NS	0423.0	0632.0	160.0D	100.0	50.0		O
	245	LEAR	43	NS	0550.0	0555.0	295.0	130.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0633.0	0930.0	424.0	170.0			QL=4 ST=2 TYP=1
	127	TORN	44	NS	0700.0E		380.0D		3.0		V=1
	260	ONDR	44	NS	0950.0E	1039.5	130.0D	152.0			
	280	CUBA	44	NS	1304.0E		536.0D		25.0		
	235	CUBA	44	NS	1304.0E		536.0D		17.0		
	245	PALE	8	S	0223.0	0223.0	U	340.0			QL=2 ST=2 TYP=3
	2840	PEKG	45	C	0310.0	0316.3	16.0	98.2			
	2840	PEKG	4	S/F	0546.0	0547.4	6.0	43.6			
	1415	LEAR	8	S	0903.0	0903.0	1.0	57.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0903.0	0903.0	1.0	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1319.0	1319.0	1.0	66.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1334.0	1334.0	U	80.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1704.0	1704.0	1.0	60.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1850.0	1850.0	1.0	100.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1850.0	1851.0	1.0	110.0			QL=4 ST=2 TYP=3
17	245	LEAR	43	NS	0650.0	0658.0	55.0	90.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	0950.0E	1128.0	130.0D	68.0			
	280	CUBA	44	NS	1258.0E		542.0D		18.0		
	235	CUBA	44	NS	1258.0E		542.0D		12.0		
	245	SVTO	8	S	0657.0	0658.0	2.0	98.0			QL=4 ST=2 TYP=3
	127	TORN	4	S/F	0816.0E	0816.3	2.0D	40.0	20.0		
	245	PALE	8	S	2010.0	2010.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2010.0	2010.0	2.0	150.0			QL=4 ST=2 TYP=3
18	280	CUBA	44	NS	1301.0E		238.0D		21.0		
	235	CUBA	44	NS	1301.0E		238.0D		13.0		
	950	GORK	2	S/F	1055.1	1055.3	0.4	8.0			
	650	GORK	2	S/F	1055.1	1055.3	0.4	18.0			
19	280	CUBA	44	NS	1259.0E		531.0D		20.0		
	235	CUBA	44	NS	1259.0E		531.0D		12.0		
20	280	CUBA	44	NS	1315.0E		354.0D		21.0		
	235	CUBA	44	NS	1516.0E		354.0D		14.0		
	9500	CUBA	23	GRF	1722.0	1727.0	11.0	16.0	8.0		
21	200	HIRA	8	S	0549.5	0549.7	0.7	67.0	40.0		O
	100	HIRA	46	C	0549.8	0549.8	1.2	630.0	400.0		WL
	2950	GORK	3	S	0808.6	0808.8	0.4	20.0			
	260	ONDR	40	F	1000.0	1120.0	120.0	70.0			
	127	TORN	42	SER	1218.8	1219.0	4.0	10.0			
	245	SGMR	8	S	1556.0	1556.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2251.0	2251.0	U	110.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2251.0	2251.0	U	160.0			QL=4 ST=2 TYP=3
22	9100	GORK	20	GRF	0730.0U	1014.7	240.0D	11.0			
	260	ONDR	40	F	1000.0	1124.5	120.0	52.0			
	245	SVTO	8	S	1124.0	1124.0	U	170.0			QL=4 ST=3 TYP=3
	127	TORN	46	C	1427.1	1427.6	11.0	400.0	60.0		
	2800	PENT	3	S	1650.3	1651.4	5.1	14.4	7.0		

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

DECEMBER 1992

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
23	9100	GORK	1	S	1018.0	1018.2	0.8	11.0			
24	204	IZMI	44	NS	0700.0E		235.0D		4.5		
	127	TORN	44	NS	0700.0E		360.0D		90.0		V=1
	245	LEAR	43	NS	0708.0	0741.0	141.0	130.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0708.0	0754.0	411.0	180.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	1000.0E	1040.0	70.0D	79.0			
	127	TORN	4	S/F	1130.8	1132.0	2.0	140.0	30.0		
25	127	TORN	43	NS	0720.0		400.0		5.0		V=1
	9100	GORK	20	GRF	0750.7	0840.8	69.3D	22.0			
	245	PALE	8	S	1914.0	1914.0	U	62.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1914.0	1914.0	U	55.0			QL=4 ST=2 TYP=3
26	200	HIRA	44	NS	2200.0E	0332.0	540.0D	40.0	15.0		WL
	245	SGMR	8	S	2015.0	2015.0	1.0	90.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	2122.0	2123.0	1.8	8.0	4.0		
27	260	ONDR	40	F	1020.0	1120.0	80.0	65.0			
28	127	TORN	43	NS	0840.0		290.0		1.0		V=1
	245	LEAR	8	S	0234.0	0234.0	1.0	68.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0323.0	0323.0	1.0	55.0			QL=4 ST=2 TYP=3
	2950	GORK	2	S/F	0644.6	0645.0	3.4	5.0			
	260	ONDR	40	F	1055.0	1146.5	65.0	73.0			
29	127	TORN	43	NS	0815.0		315.0		5.0		V=0
	127	TORN	4	S/F	0821.6	0823.2	2.0	120.0	30.0		
	127	TORN	7	C	0827.7	0828.4	1.4	130.0	20.0		
	127	TORN	45	C	0851.8	0852.8	1.4	20.0	10.0		
	127	TORN	45	C	0936.7	0937.7	2.2	100.0	50.0		
	260	ONDR	41	F	1028.0	1115.0	50.0	55.0			
30	200	HIRA	42	SER	0234.0	0245.3	12.0	45.0			O
	200	HIRA	46	C	0628.7	0629.6	2.0	75.0	30.0		O
	245	LEAR	8	S	0630.0	0630.0	U	58.0			QL=4 ST=2 TYP=3
	8400	BERN	46	C	0815.7	0821.0	11.8	3.3			
	3100	BERN	46	C	0816.9	0821.1	9.4	7.9			
	5200	BERN	46	C	0817.0	0821.1	7.5	6.3			
	2950	GORK	4	S/F	0818.0	0821.2	6.0	36.0			
	3013	IZMI	7	C	0818.0	0820.2	5.5	39.0			
	9100	GORK	2	S/F	0818.5	0821.2	11.5	23.0			
	11800	BERN	3	S	0818.6	0821.0	8.2	2.0			
	204	IZMI	41	F	0819.0	0820.8	3.0	53.0			
	33	UPIC	46	C	0819.7	0820.0	2.1				
	127	TORN	47	GB	0821.6	0822.0U	3.1	300.0D	100.0D		
	33	UPIC	45	C	0906.5	0906.6	1.0				
	8400	BERN	4	S/F	0931.7	0938.3	27.8	16.0			
	650	GORK	20	GRF	0932.0	0935.0	32.7	2.0			
	950	GORK	20	GRF	0932.0	0935.2	19.0	4.0			
	2950	GORK	21	GRF	0932.3	0934.5	18.0	5.0			
	5200	BERN	4	S/F	0932.4	0938.4	15.4	17.3			
	3013	IZMI	7	C	0933.0	0938.6	10.0	97.0			
	3100	BERN	3	S	0933.3	0938.3	10.8	11.7			
	9100	GORK	4	S/F	0933.5	0938.5	19.2	124.0			
	11800	BERN	4	S/F	0933.6	0938.3	36.4	11.1			
	19600	BERN	3	S	0935.5	0938.5	7.9	3.5			
	2950	GORK	3	S	0936.8	0938.5	4.1	57.0			
	8800	LEAR	8	S	0937.0	0938.0	2.0	110.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0937.0	0938.0	2.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0937.0	0938.0	2.0	57.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0937.0	0938.0	2.0	65.0			QL=2 ST=2 TYP=3
	4995	SVTO	4	S/F	0937.0	0938.0	3.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0937.0	0938.0	3.0	100.0			QL=4 ST=2 TYP=3
	33	UPIC	46	C	0937.5	0939.0	2.4				
	15400	LEAR	8	S	0938.0	0938.0	1.0	72.0			QL=4 ST=2 TYP=3
31	17000	NOBE	20	GRF	0214.0	0224.5	35.0	25.0			
	35000	NOBE	20	GRF	0214.0	0224.5	35.0	20.0			80GHZ:0

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

DECEMBER 1992

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
31	9100	GORK	1 S	0809.5	0809.9	1.8	5.0			
	260	ONDR	41 F	1000.0	1140.0	120.0	50.0			
	127	TORN	4 S/F	1102.6	1103.0	1.8	70.0	10.0		
	600	HUMN	2 S/F	1439.0	1440.0	2.0	8.0	3.0		
	2800	PENT	20 GRF	1921.9	1938.9	44.0	14.0	10.0		

Reports are received routinely from the following observatories:

BERN = Berne	HUMN = Humain	ONDR = Ondrejov	SVTO = San Vito
CRIM = Crimea	IZMI = IZMIRAN	PEKG = Peking	TORN = Torun
CUBA = Havana	KISV = Kislovodsk	PALE = Palehua	TRST = Trieste
GORK = Gorky	KRAK = Krakow	PENT = Penticton	TYKW = Toyokawa
HIRA = Hiraiso	LEAR = Learmonth	POTS = Potsdam	UPIC = Upice
HUAN = Huancayo	NOBE = Nobeyama	SGMR = Sagamore Hill	

Explanation of Type Code:

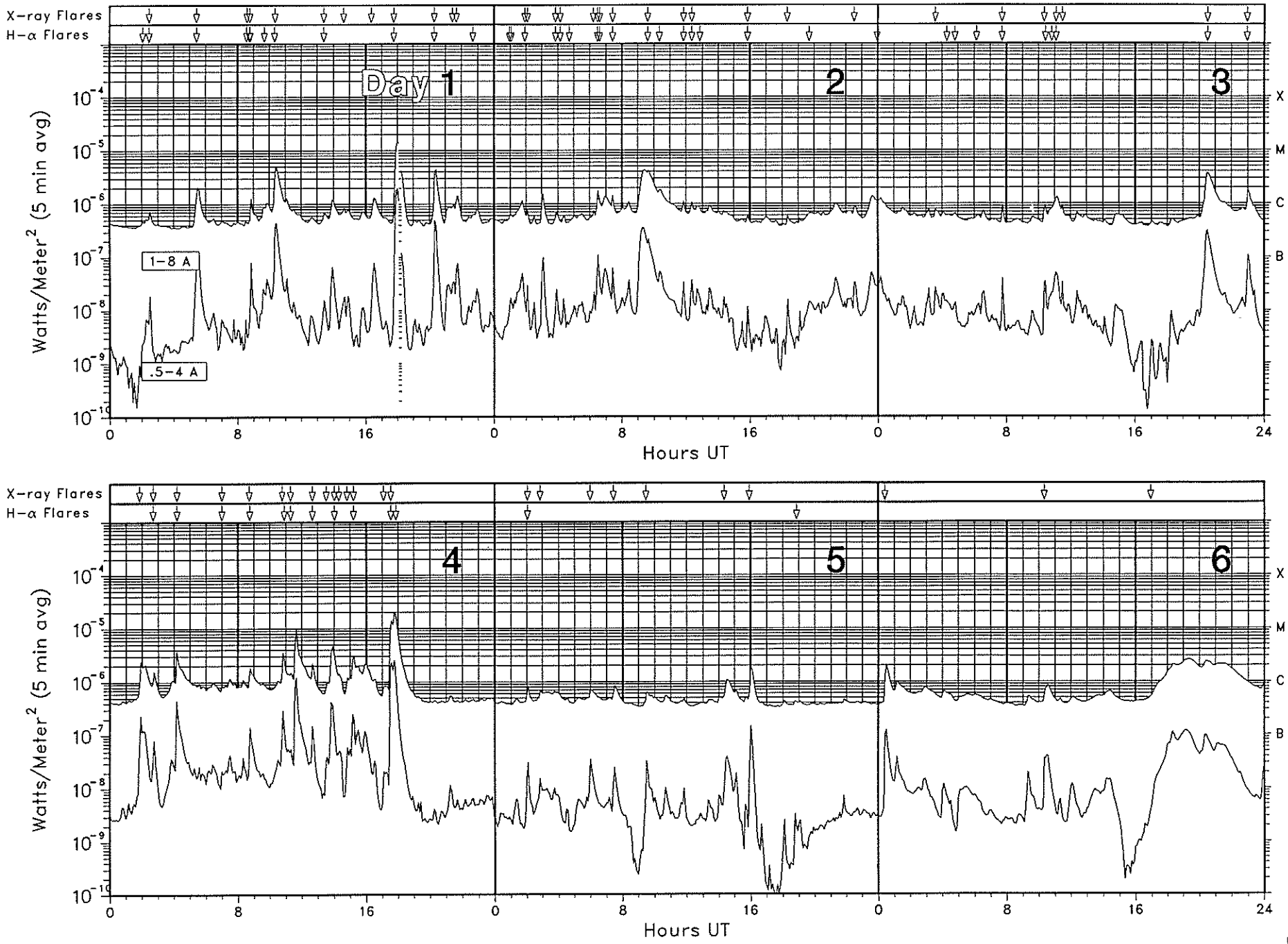
1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precusor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major

1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F
3A Simple 2A	40 Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	40F Rise Only F	260 Fall Only	31A Post Burst Decrease A
2A Simple 1AF	4P Post Rise	26F Fall F	32A Absorption A

RSTN Site Information: Beginning in April 1986, the RSTN sites LEAR, PALE, SGMR, and SVTO fixed frequency solar radio data are periodically adjusted to several world standard stations. These world standard stations include: Kislovodsk, USSR 15,500 MHz; Penticton, Canada 2800 MHz; Hiraiso, Japan 500 and 200 MHz; and Toyokawa, Japan 9400, 3750, 2000 and 1000 MHz.

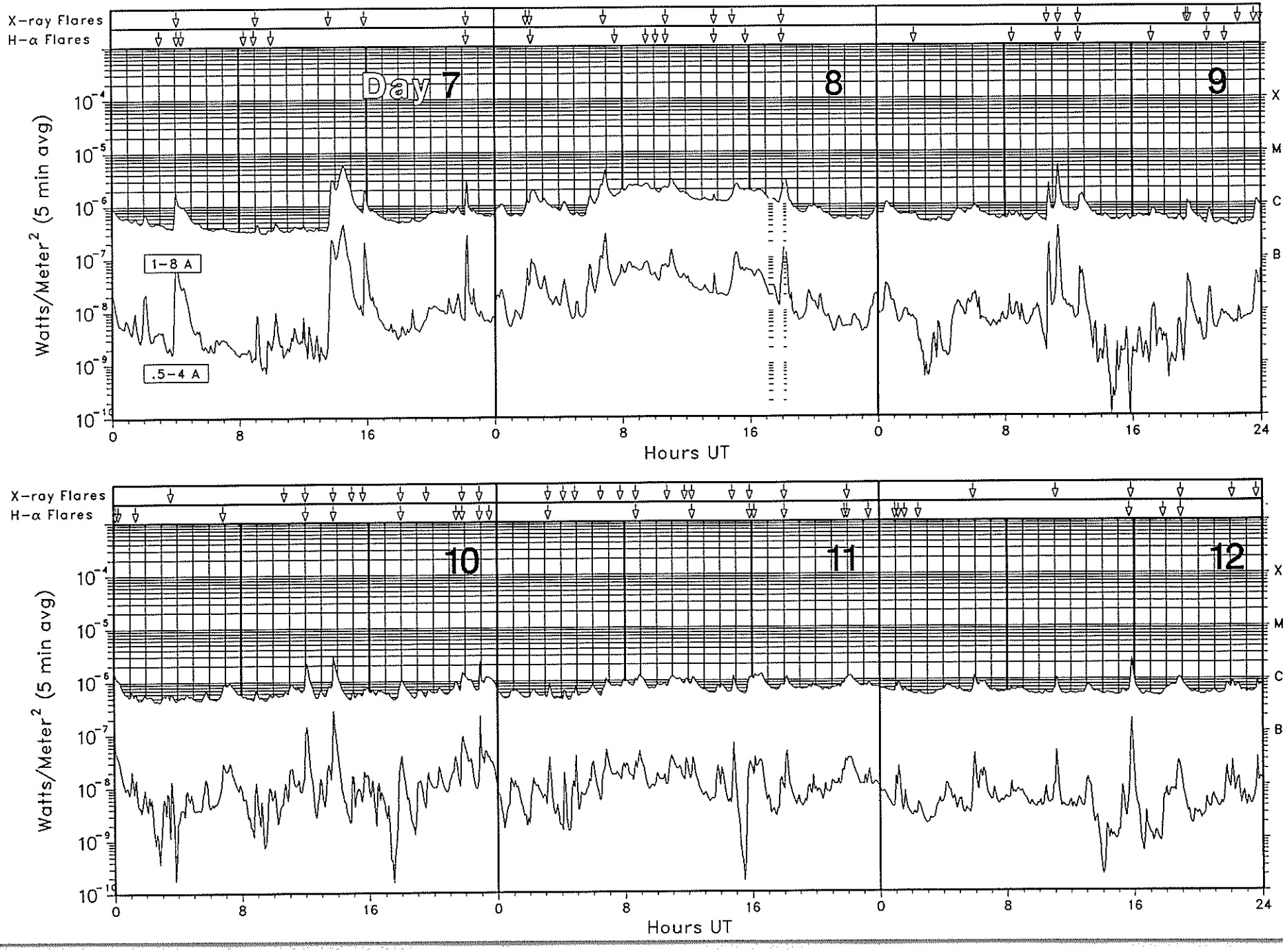
GOES-7 X-RAY DETECTOR

December 1992



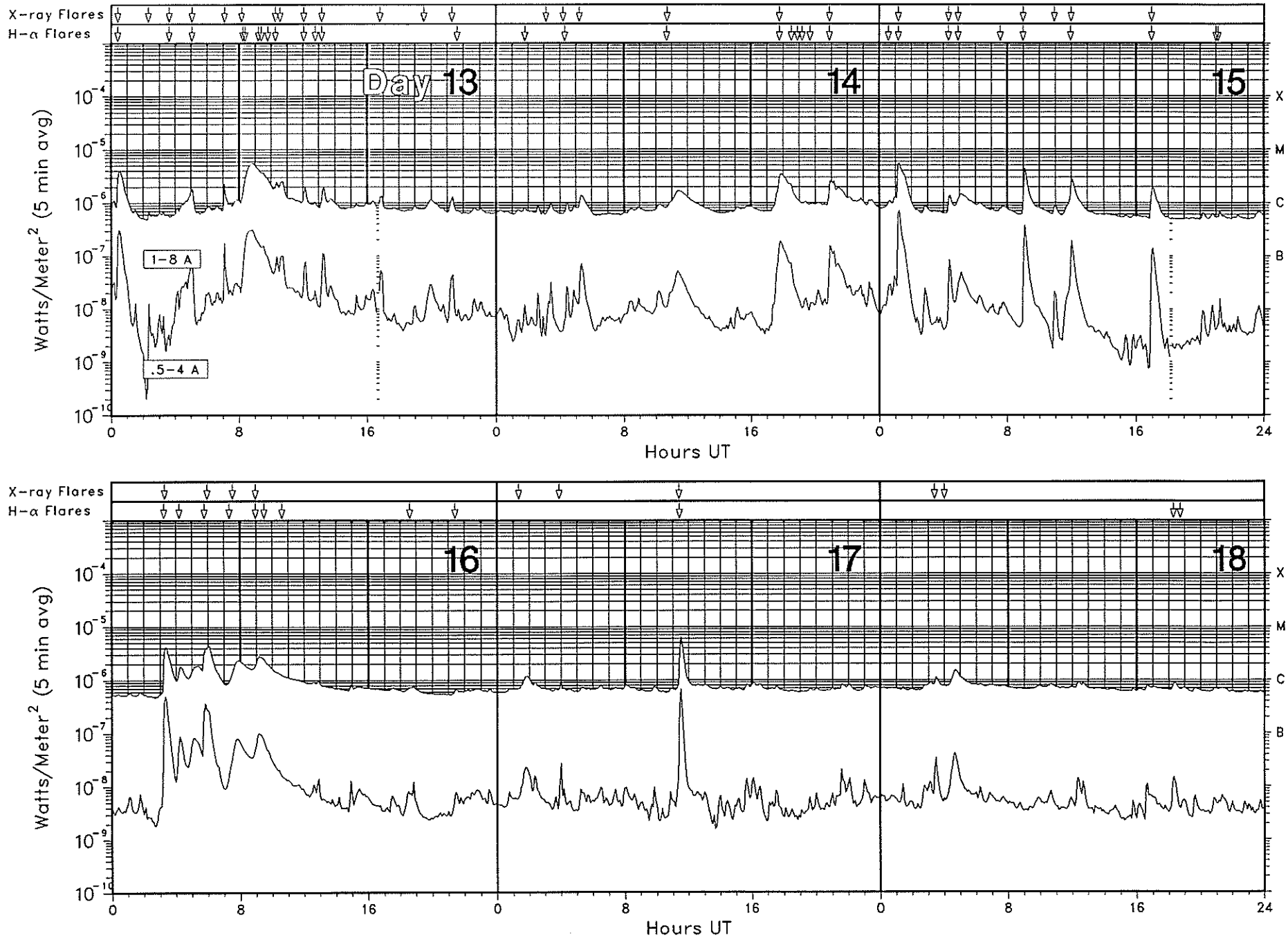
GOES-7 X-RAY DETECTOR

December 1992



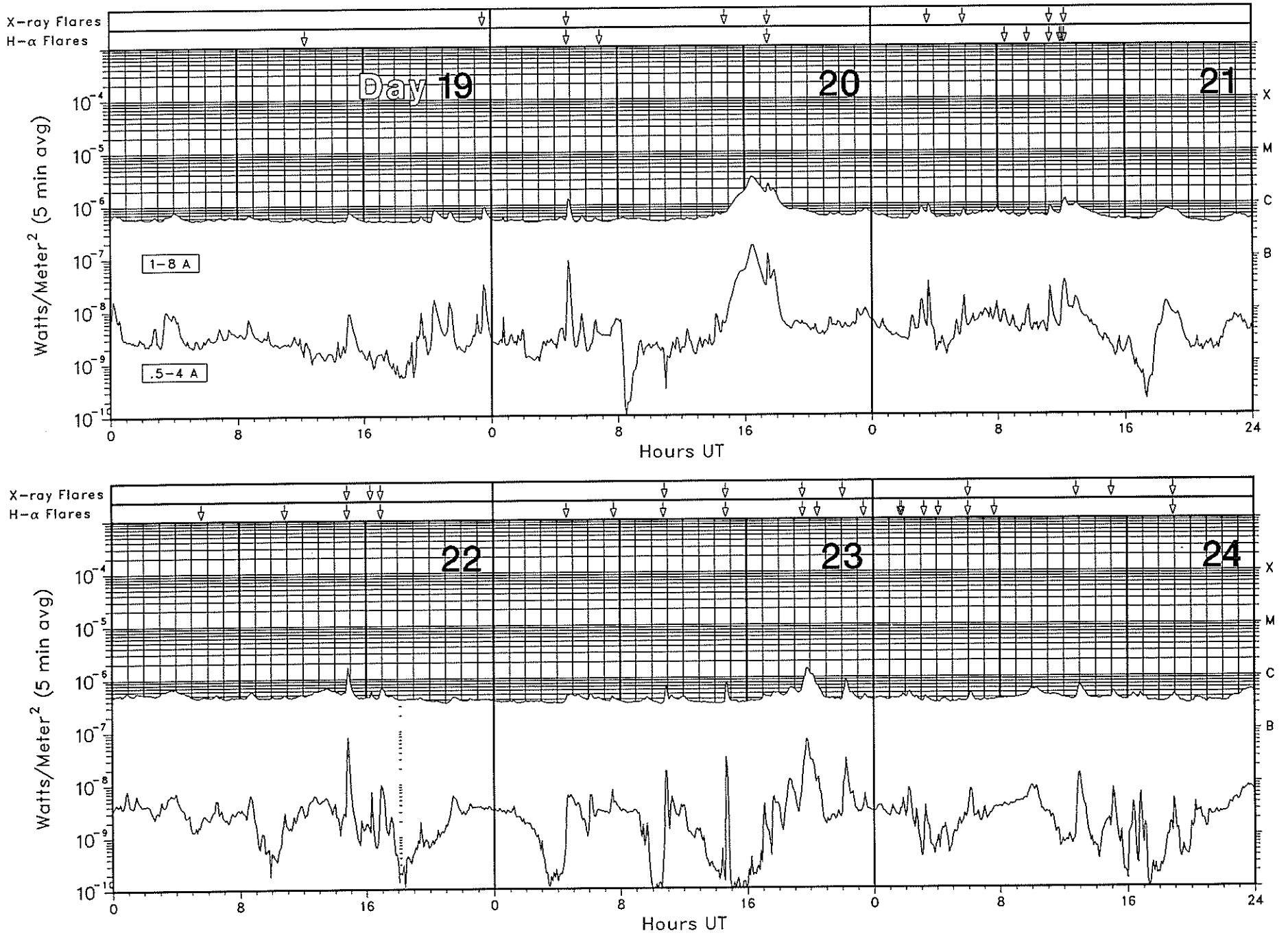
GOES-7 X-RAY DETECTOR

December 1992



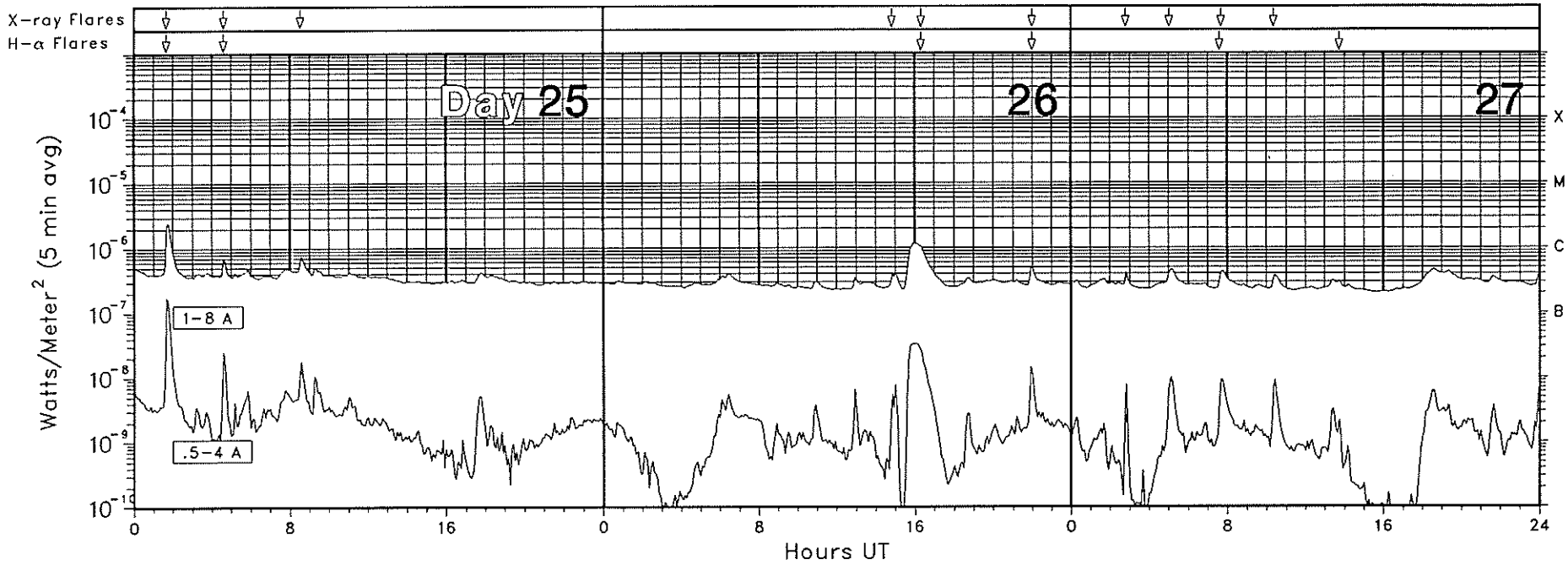
GOES-7 X-RAY DETECTOR

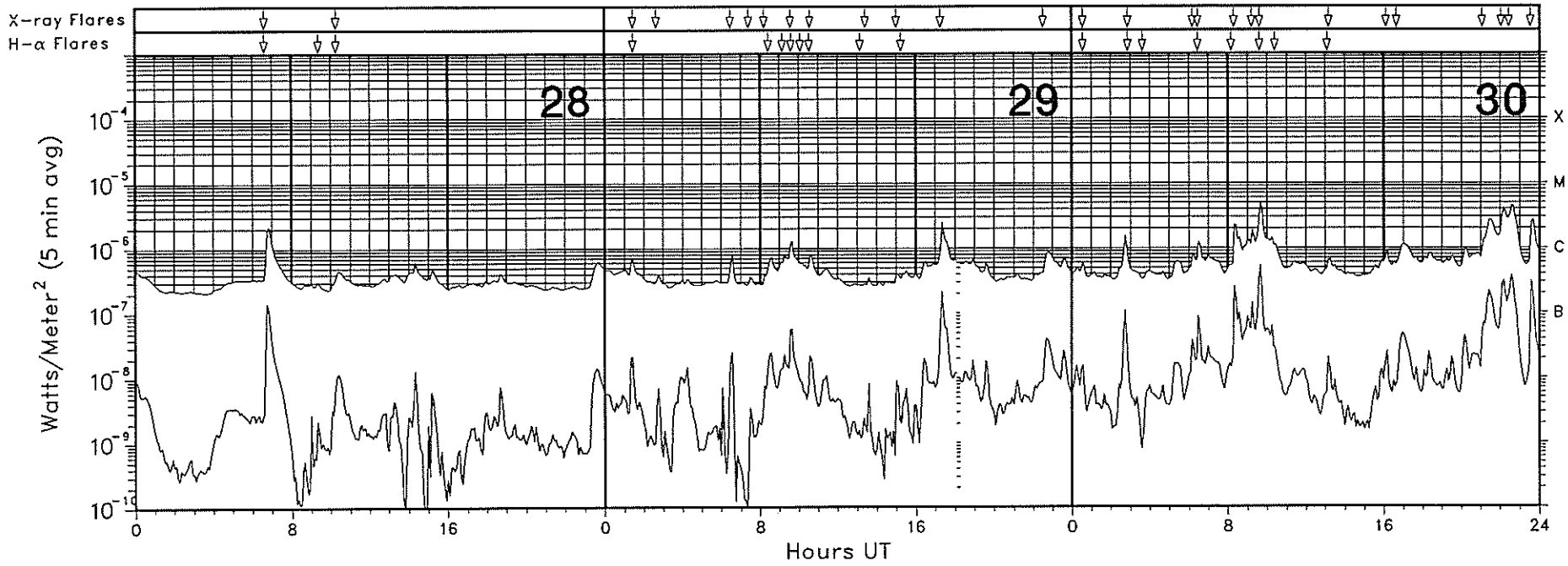
December 1992



GOES-7 X-RAY DETECTOR

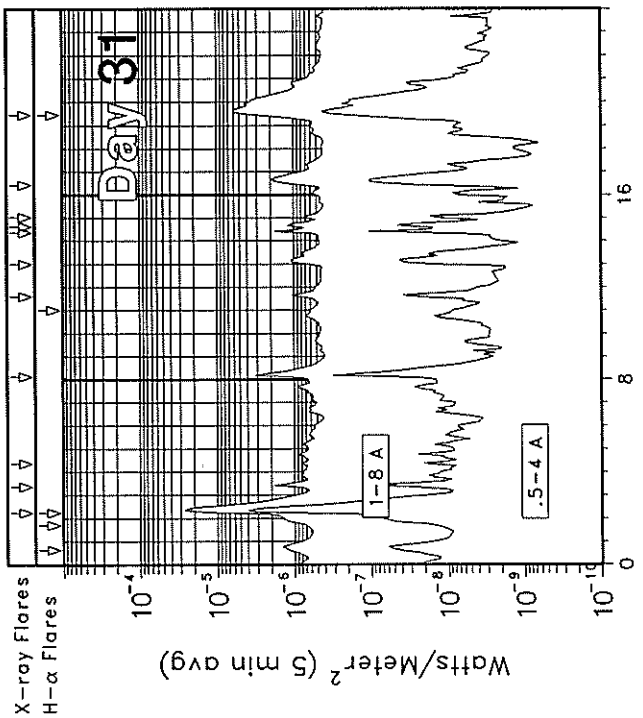
December 1992





GOES-7 X-RAY DETECTOR

December 1992



GOES S O L A R X-RAY F L A R E S
Preliminary Listing

December 1992

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Imp Opt	Xray	NOAA/ USAF Region
01	0226	0230	0240	N19	W29	SF	B8.6	7352
01	0525	0528	0550	N22	W33	SF	C2.1	7352
01	0834	0834	0916	N19	W32	SF	B6.1	7352
01	0846	0847	0852	S26	W17	SF	C1.4	
01	1021	1021U	1036	N22	W37	SF	C5.1	7352
01	1323	1402	1409	N12	W34	SF	C1.2	7348
01	1438	1441	1445				B9.2	
01	1621	1631	1642				C1.3	
01	1745	1754	1845	N21	W37	1N	M1.5	7352
01	2018	2024	2047	N22	W40	SN	C5.1	7352
01	2126	2130	2136				C1.0	
01	2140	2146	2152				C1.5	
02	0155E	0308	0328	N23	W41	1F	C1.6	7352
02	0205	0208	0211				B8.5	
02	0351	0356	0401	N19	W43	SF	B7.6	7352
02	0408	0423	0439	N23	W42	SF	B8.3	7352
02	0613	0616	0619				B8.3	
02	0628	0632	0646	N18	W46	SF	C1.8	7352
02	0637	0656	0729	N11	W43	SF	C1.4	7348
02	0725	0727	0733	N19	W46	SN	C2.0	7352
02	0936	0951	1006	N20	W46	SF	C4.3	7352
02	1149	1154	1201	N20	W47	SF	C1.2	7352
02	1220	1222	1226	N20	W53	SF	C1.2	7352
02	1551	1552	1557	N22	W53	SF	B7.1	7352
02	1818	1823	1829				B6.0	
02	2231	2235	2241				C1.0	
03	0335	0338	0342				B8.9	
03	0743	0746	0759	N18	W57	SF	C1.0	7352
03	1020	1025	1031				C1.0	
03	1106	1106	1119	N18	W60	SF	C1.3	7352
03	1129	1132	1135				C1.0	
03	2031	2031	2038D	N20	W70	SF	C3.7	7352
03	2257	2259	2310	N21	W65	SF	C1.8	7352
04	0150	0158	0220				C2.6	
04	0241	0250	0307	N20	W76	SF	C1.7	7352
04	0411	0413	0425	N21	W76	SF	C5.8	7352
04	0659	0703	0705				B9.1	
04	0843	0848	0854				C2.1	
04	1047	1053	1100				C3.6	
04	1118	1139U	1146	N19	W71	SF	M1.4	7352
04	1241	1241	1245	N21	W80	SF	C2.8	7352
04	1331	1356	1407				C5.0	
04	1402	1429U	1433	N20	W74	SF	C1.6	7352
04	1418	1421	1423				C1.8	
04	1449	1452	1457				C1.3	
04	1513	1516	1525	N20	W73	SF	C3.6	7352
04	1705	1709	1725				B9.6	
04	1733	1734	1735D	N19	W67	SF	M2.1	7352
05	0204	0205	0209	N20	W80	SF	B9.6	7352
05	0252	0255	0257				B8.0	
05	0559	0603	0616				B7.4	
05	0727	0734	0741				B8.6	
05	0928	0934	0943				B6.6	
05	1420	1430	1452				C1.0	
05	1556	1603	1611				C2.1	
06	0024	0032	0042				C2.1	
06	1020	1038	1049				B8.7	
06	1658	1920	2010				C2.2	
07	0407	0409	0417	S16	W74	SF	C2.1	7361
07	0903	0927	0954	S16	W77	SF	B5.0	7361
07	1337	1434	1450				C6.0	
07	1551	1555	1557				C4.5	
07	2213E	2242	2252	S14	E64	SF	C4.3	7360
08	0159	0202	0207				C1.5	
08	0213	0229	0240				C2.2	
08	0651	0656	0700				C5.4	
08	1045	1107	1115				C3.1	
08	1348	1348	1353	S07	E78	SF	C1.7	7363
08	1456	1510	1521				C2.5	
08	1800	1809	1831	S07	E74	SF	C5.1	7363
09	1040	1045	1052				C2.7	
09	1124	1126	1147	S06	E60	SN	C6.3	7363
09	1239	1240	1257	S04	E26	SF	C1.5	7362
09	1923	1927	1931				C1.3	
09	1932	1935	1939				C1.2	
09	2040	2045	2055	S14	E84	SF	B8.9	
09	2236	2240	2243				B5.9	
09	2336	2346	2357				C1.2	
09	2358	0003	0008				C1.7	
10	0336	0339	0342				B7.4	
10	1043	1046	1048				C1.2	
10	1202	1203	1215	S05	E11	SF	C2.4	7362
10	1346	1346	1358	S04	E11	SF	C3.4	7362
10	1456	1500	1503				B9.5	
10	1539	1543	1546				B8.1	
10	1800E	1810U	1818D	S04	E07	SF	C1.1	7362
10	1937	1941	1955				B7.6	
10	2150E	2151U	2210D	S06	E06	SF	C1.4	7362
10	2255	2257	2301	S04	E06	SF	C3.6	7362
11	0312	0318	0324				B9.2	
11	0410	0414	0420				B7.4	
11	0456	0500	0502				C1.0	
11	0631	0652	0711				C1.1	
11	0746	0755	0817				C1.0	
11	0843	0905	0922	S05	W01	SF	C1.3	7362
11	1042	1102	1136				C1.2	
11	1148	1153	1202				C1.1	
11	1216	1218	1227	S17	E09	SF	C1.1	7360
11	1447	1452	1455				C1.4	
11	1552	1615	1628	S16	E11	SF	C1.3	7360
11	1802	1807	1827	S05	W05	SF	C1.3	7362
11	2159	2202	2226	S16	E03	SF	C1.2	7360
12	0552	0558	0606				C1.2	
12	1104	1110	1114				C1.1	
12	1549	1552	1559	S12	E50	SF	C2.6	7366
12	1855	1855	1904	S16	W04	SF	C1.0	7360
12	2205	2208	2213				B9.9	
12	2338	2342	2345				C1.0	
13	0025	0033	0103	S12	E44	SF	C4.1	7366
13	0219	0222	0227				B7.5	
13	0337	0417	0515	S06	W26	SF	B9.2	7362
13	0502	0505	0518	S14	E42	SF	C2.4	7366
13	0704	0708	0710				C3.1	
13	0808	0853	0938				C5.6	
13	1016	1019	1041D	S14	E39	SF	C2.5	7366

GOES S O L A R X-RAY F L A R E S
Preliminary Listing

December 1992

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region
13	1034	1044	1050				C2.7	
13	1204	1211U	1248D	S12	E40	SF	C2.2	7366
13	1311	1316U	1356	S11	E38	SF	C2.0	7366
13	1647	1656	1659				C1.6	
13	1933	2000	2027				C1.1	
13	2118	2121	2123				C1.6	
14	0307	0328	0332				C1.2	
14	0412	0429	0434				C1.1	
14	0513	0523	0539				C1.3	
14	1042	1124	1159				C1.7	
14	1747	1750	1826	S33	E39	SF	C3.5	7368
14	2053	2055	2149	S34	E35	SN	C2.8	7368
15	0111	0112	0151	S20	W37	1N	C6.9	7360
15	0419	0423	0429	S16	W54	SF	C1.6	7362
15	0454	0505	0508	S33	E33	SF	C1.4	7368
15	0859	0904	0955	S34	E30	1F	C4.5	7368
15	1056	1101	1107				B9.6	
15	1158E	1209U	1222	S32	E30	SF	C2.9	7368
15	1657	1658	1709	S20	W46	SF	C1.9	7360
16	0318E	0318U	0326D	S20	W55	SF	C4.6	7360
16	0558E	0602	0625	S19	W57	1F	C4.7	7360
16	0734	0746	0839	S22	E40	1F	C2.2	
16	0859	0909	0954	S20	W56	SF	C2.8	7360
17	0121	0155	0211				C1.2	
17	0355	0401	0403				C1.1	
17	1124	1132	1140				C7.0	
18	0325	0330	0339				C1.1	
18	0401	0445	0500				C1.5	
19	2329	2336	2343				C1.0	
20	0448	0456	0520	S10	E59	SF	C1.3	7374
20	1447	1630	1707				C3.3	
20	1727	1729	1742	S10	E53	SF	C2.8	7374
21	0334	0339	0344				C1.0	
21	0549	0553	0555				B9.3	
21	1117	1123	1151	S09	E45	SF	B9.3	7374
21	1212	1213	1235	S11	E44	SF	C1.3	7374
22	1448	1450	1503D	S06	E26	SF	C1.7	7374
22	1619	1622	1625				B6.5	
22	1658	1701	1722	S14	E12	SF	B7.3	7372
23	1051	1053	1117	S05	E15	SF	B8.1	7374
23	1442	1442	1453	S06	E12	SF	C1.0	7374
23	1932	1932	2004	S06	E10	SF	C1.5	7374
23	2205	2219	2226				B9.7	
24	0600	0606	0624	S06	E06	SF	B4.9	7374
24	1248	1300	1315				B6.9	
24	1501	1507	1515				B5.3	
24	1854	1902	1910D	N05	E47	SF	B4.9	7381
25	0138	0140	0217	S06	W06	1B	C2.5	7374
25	0435	0435	0441	S08	W08	SF	B7.8	7374
25	0832	0836	0842				B7.7	
26	1448	1452	1459				B4.0	
26	1618E	1618U	1710	S16	E38	SF	C1.1	7382
26	2158	2158	2216	N18	W19	SF	B5.2	7376
27	0248	0252	0255				B4.8	
27	0501	0508	0515				B4.7	
27	0740	0747	0753	N03	E55	SF	B4.4	
27	1021	1026	1036				B3.8	
28	0638	0657	0740	N14	W40	1B	C2.5	7376
28	1017	1021	1039				B4.5	
29	0126	0127	0154	N15	W50	SF	B8.0	7376
29	0238	0247	0253				B4.0	
29	0629	0636	0640				B8.4	
29	0725	0734	0739				B3.8	
29	0813	0816	0821				B4.0	
29	0935	0940	0943				C1.9	
29	1035	1041	1045				B8.7	
29	1325	1403	1513	N14	W57	SF	B4.1	7376
29	1500	1505	1509				B4.5	
29	1716	1722	1729				C2.6	
29	2231	2251	2308				B8.7	
30	0035	0039	0041	N14	W65	SF	B6.7	7376
30	0253	0304	0324	N14	W63	SF	C1.6	7376
30	0611	0615	0618				C1.1	
30	0627	0632	0634	N15	W65	SF	C1.4	7376
30	0819	0823	0830	N14	W66	SF	C2.8	7376
30	0913	0918	0923				C1.9	
30	0938	0939	0949	N15	W69	SF	C5.2	7376
30	1311	1315	1319				B7.4	
30	1607	1611	1614				C1.0	
30	1640	1658	1725				C1.1	
30	2105	2129	2149				C2.7	
30	2203	2213	2223				C4.2	
30	2226	2238	2246				C4.8	
30	2333	2340	2348				C3.3	
31	0214	0214	0229	N17	W80	SN	M2.6	7376
31	0322	0327	0332				C1.9	
31	0420	0423	0426				B9.0	
31	0807	0813	0820				C3.5	
31	1136	1141	1147				C1.1	
31	1300	1315	1319				C1.3	
31	1422	1427	1430				C2.1	
31	1438	1445	1449				C1.2	
31	1501	1507	1510				B8.0	
31	1625	1643	1655				C1.9	
31	1926	1929	1956	S10	W49	SF	C6.3	7379

EDITOR's NOTE: Please note that whenever optical flares are given, the times given are times of the optical flares and not the times of the X-ray flares. These data are taken directly from the NOAA SEL "Preliminary Report and Forecast of Solar Geophysical Data" weekly report.

Preliminary GOES Satellite Data
Daily Average X-ray Background
Jan 1992 - Dec 1992

Day	1992 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	C2.0	C1.7	B9.2	C1.2	B4.2	B1.4	B3.9	B3.2	B1.2	B1.9	B6.3	B4.0
2	C1.9	C2.6	B9.1	B7.5	B4.5	B1.4	B3.6	B4.6	B1.7	B2.3	B7.9	B4.6
3	C2.3	C3.0	B8.3	B7.8	B3.5	B1.6	B4.1	B7.1	B2.0	B2.2	B4.9	B4.5
4	C2.5	C1.9	B8.0	B9.7	B6.3	B1.7	B3.1	B5.2	B3.5	B2.6	B5.4	B4.2
5	C2.1	C2.2	B8.6	C1.0	B7.6	B2.0	C1.1	B3.8	B9.2	B4.2	B5.0	B3.6
6	C1.5	C2.2	B8.5	B6.8	B4.4	B2.3	C1.2	B3.7	C1.1	B4.4	B4.3	B3.6
7	C1.6	C2.2	B9.5	B5.0	B4.3	B2.4	B8.8	B4.3	C1.7	B6.0	B3.4	B3.3
8	C1.8	C1.4	---	B6.0	B3.2	B2.4	B7.3	B5.4	B7.9	B4.3	B3.0	B6.2
9	C1.8	C1.6	B9.8	B4.3	B2.8	B3.3	B7.0	B4.8	B6.4	B3.2	B3.5	B4.5
10	C1.5	C1.6	B7.6	B4.1	B2.4	B3.5	B8.5	B5.4	B4.0	B2.5	B3.6	B5.1
11	C1.5	C1.4	B6.0	B4.0	B2.6	B3.5	B8.6	B5.1	B3.0	B2.7	B2.7	B6.1
12	C1.2	C1.0	B6.1	B4.6	B2.7	B3.3	B8.8	B3.9	B2.4	B3.6	B2.3	B5.1
13	C1.0	B8.5	B5.5	B4.5	B2.6	B3.2	B9.1	B3.5	B2.8	B4.9	B4.3	B6.1
14	C1.0	C1.2	B6.9	B4.7	B3.2	B3.2	B9.1	B3.7	B3.5	B2.5	B3.5	B6.5
15	B9.7	C1.8	B8.7	B4.7	B3.0	B2.8	C1.1	---	B3.7	B1.2	B4.5	B5.4
16	B6.8	C1.5	B7.5	B6.7	B2.1	B2.4	B6.9	B3.5	B4.8	B1.8	B7.5	B5.2
17	B6.5	C1.1	B7.3	B9.6	B1.8	B2.8	B5.5	B3.9	B5.2	B2.7	B6.7	B6.1
18	B6.5	C2.0	B7.1	C1.1	B2.2	B2.7	B7.3	B3.9	B3.5	B3.2	B6.6	B6.2
19	B7.6	C2.0	B6.6	C1.2	B5.9	B2.2	B7.1	B6.1	B2.9	B5.1	B6.1	B5.1
20	B7.3	C1.9	B6.0	B9.4	B4.3	B2.2	B9.8	B8.9	B2.5	B3.8	B6.7	B4.8
21	B8.0	C2.4	B5.9	C1.0	B4.0	B2.3	B3.4	B7.4	B2.3	B4.0	B6.2	B4.7
22	B9.5	C1.6	B5.3	B7.3	B3.5	B2.9	B2.2	---	B1.9	B4.5	B8.5	B4.0
23	B9.3	C1.3	B7.8	B6.4	B3.4	B4.9	B2.2	B4.9	B2.0	B4.9	C1.1	B3.3
24	B8.6	C1.2	C1.0	B6.3	B3.3	B5.7	B2.2	B4.8	B1.8	B3.6	B9.6	B3.3
25	C1.4	C1.6	C1.3	B6.0	B2.6	B7.9	B2.0	B2.6	B2.4	B5.9	B7.5	B2.9
26	C1.5	C1.2	B7.7	B4.5	B2.4	B8.0	B1.5	B1.8	B2.0	B7.7	B6.3	B2.4
27	C1.1	C1.5	B6.5	B4.7	B2.6	B5.0	B1.4	B1.0	B2.6	C1.1	B5.5	B2.0
28	C1.3	C1.0	B7.3	B3.9	B2.7	B6.4	B1.2	B1.1	B2.1	B8.6	B4.6	B2.3
29	C1.7	C1.0	B8.0	B3.4	B2.5	B4.1	B2.0	B1.8	B2.1	C1.1	B5.2	B2.8
30	C2.2		B6.2	B3.0	B1.7	B4.3	B2.0	B1.3	B2.0	C1.3	B5.4	B3.8
31	C2.1		C1.0		B1.2		B1.9	B1.2		C1.3		B4.5

MASS EJECTIONS FROM THE SUN--PROXY DATA*

DECEMBER 1992

Site	Mo Day	Observed UT Start	Max	End	Location RA*	R/Ro	Freq or Wavelength	Kind of Event
KHAR	Dec 01	1023 E		1043 D	305	0.65	H-alpha	S
KHAR	Dec 03	1038 E		1047 D	290	0.87	H-alpha	S
KHAR	Dec 08	0939 E		0947 D	257	1.00	H-alpha	S
KHAR	Dec 08	1020 E		1035 D	257	1.00	H-alpha	S
KHAR	Dec 08	1045 E		1048 D	257	1.00	H-alpha	S
POTS	Dec 09	1117.8		1125.2			600-100 MHz	II Harmonic
KHAR	Dec 20	0915 E		0930 D	260	1.00	H-alpha	S
KHAR	Dec 20	1027 E		1055 D	099	0.82	H-alpha	S
LEAR	Dec 28	0655.0		0659.0			Meter	II
LEAR	Dec 28	0659.0		0748.0			Meter	IV
LEAR	Dec 30	0250.0		0259.0			Meter	II
POTS	Dec 30	0818.8		0832 U			300- 40 MHz	IV,II Reverse slope
LEAR	Dec 30	0826.0		0837.0			Meter	II
IZMI	Dec 30	0826.6		0834.0			Meter	II Harmonic
POTS	Dec 30	1031.8		1040 U			90- 40 MHz	II Harmonic
IZMI	Dec 30	1033.0		1039.8			Meter	II Harmonic
LEAR	Dec 31	0220.0		0245.0			Meter	II

QUALIFIERS ON START, MAX AND END TIMES
- E = event began before the tabulated time
- U = uncertain time

REPORTING STATIONS
- IZMI = IZMIRAN
- KHAR = Kharkov
- LEAR = Learmonth
- POTS = Potsdam

TYPE OF EVENT
- A = eruptive active region prominence
- CB = coronal cloud bubble
- D = coronal depletions
- E = coronal enhancement
- EL = coronal expanding loop
- II = Type II radio burst
- IVm = moving Type IV radio burst
- Q = eruptive quiescent prominence
- R = coronal ray or streamer
- S = flare-surge if there is a known flare association
- SP = flare-spray if there is a known flare association
- ** = movement may be caused by ionospheric refraction

*Please be advised that this list is made up of proxy data--not actual measurements of coronal mass ejections (CMEs). The list was requested by the IAU Commission 10 in 1979. See page 46 in the July 1987 supplement to Solar-Geophysical Data for more information.

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
01	AFS	0253E	0257	S24	W50	11	27.3		02	9	9	E	PALE	7354	
01	AFS	0500E	1022	N10	W32	11	28.9		02	9	9	E	LEAR	7348	
01	DSF	0757U	1353U	N40	E43	12	4.8	2	09	0	0	E	SVTO		
01	AFS	0915E	0000	N20	W32	11	29.0		03	8	9	E	SVTO	7352	
01	AFS	0915E	0000	N22	W36	11	28.7		02	9	9	E	SVTO	7352	
01	AFS	0915E	0000	S04	E04	12	1.7		02	7	6	E	SVTO	7353	
01	ADF	0916E	0000	N12	W27	11	29.4		09	9	9	E	SVTO	7348	
01	AFS	0916E	0000	S25	W56	11	27.1		02	9	9	E	SVTO	7354	
01	DSD	1023E	1043D	N24	W37	11	28.7	1				V	KHAR		
01	ADF	1112E	1930	N13	W29	11	29.4	1	04	9	9	E	RAMY	7348	
01	DSD	1112E	1930	N14	W35	11	28.9		02	9	9	E	RAMY	7348	
01	AFS	1113E	1930	N22	W36	11	28.8		03	9	9	E	RAMY	7352	
01	AFS	1115E	1930	S24	W56	11	27.2		02	9	9	E	RAMY	7354	
01	APR	1122E	1930	S09	W90	11	24.8	1	09	9	9	E	RAMY	7346	
01	DSD	1123E	1930	S27	W55	11	27.3		02	9	9	E	RAMY	7354	
01	ASR	1124E	1227	S24	E90	12	8.4		02	9	9	E	RAMY		
01	DSD	1125E	1930	N13	W37	11	28.8		04	9	9	E	RAMY	7348	
01	AFS	1520E	2344	N23	W39	11	28.7		02	9	9	E	HOLL	7352	
01	AFS	1806E	0122	N21	W42	11	28.6		04	9	9	E	PALE	7352	
01	DSD	1912E	2344	S10	E34	12	4.3		03	9	9	E	HOLL		
01	DSD	2303E	0122	N31	W40	11	28.9		03	9	9	E	PALE	7352	
01	AFS	2310E	1035	N22	W44	11	28.7		01	9	9	E	LEAR	7352	
01	AFS	2311E	1035	N29	W45	11	28.5		01	9	9	E	LEAR	7352	
02	ADF	0910E	1400	N11	W49	11	28.8	1	10	9	9	E	SVTO	7348	
02	AFS	0936E	1400	N19	W48	11	28.8		02	9	9	E	SVTO	7352	
02	ADF	0936E	1400	N21	W47	11	28.9	1	07	9	9	E	SVTO	7352	
02	AFS	1050E	1400	S06	W10	12	1.7		02	9	9	E	SVTO	7353	
02	AFS	1050E	1400	S20	W37	11	29.7		02	9	9	E	SVTO	7350	
02	AFS	1050E	1400	S25	W90	11	25.6		02	9	8	E	SVTO	7354	
02	AFS	1118E	2036	S05	W11	12	1.6		02	9	9	E	RAMY	7353	
02	ADF	1119E	2036	N22	W49	11	28.8	1	04	9	9	E	RAMY	7352	
02	AFS	1120E	2036	N19	W47	11	29.0		01	9	9	E	RAMY	7352	
02	ADF	1131E	2036	N13	W45	11	29.2	1	07	9	9	E	RAMY	7348	
02	SSB	1132		348	W55	11	28.4			0	0	E	RAMY		
02	AFS	1425E	2159	N22	W51	11	28.8		03	9	9	E	HOLL	7352	
02	ASR	1524E	2036	S18	E90	12	9.5		03	9	9	E	RAMY		
02	ADF	1732E	2355	N08	W50	11	29.1	1	04	9	9	E	PALE	7348	
02	AFS	1732E	2355	N16	W55	11	28.6		03	9	9	E	PALE	7352	
02	DSD	1743E	2355	S34	W46	11	29.2		02	9	9	E	PALE	7350	
02	AFS	1753E	2355	S13	W16	12	1.5		02	9	9	E	PALE	7353	
02	APR	1806E	2103D	S22	W90	11	25.9	1	02	8	6	E	PALE	7354	
02	ASR	1810E	1838D	S21	W90	11	25.9		05	9	9	E	RAMY		
02	AFS	1828E	2036	N15	E74	12	8.4		02	8	8	E	RAMY		
02	AFS	1828E	2036	S14	E74	12	8.4		02	7	7	E	RAMY		
02	ADF	1932E	0000	N13	W53	11	28.9	1	08	9	9	E	HOLL	7348	
02	DSD	1932E	2159	N21	W56	11	28.6		03	9	9	E	HOLL	7352	
02	DSD	2004E	2036	N19	W55	11	28.7		02	9	9	E	RAMY	7352	
02	DSD	2034E	2036	S10	W55	11	28.8		04	9	9	E	RAMY	7349	
02	ASR	2140E	2159	S18	E90	12	9.7		03	7	7	E	HOLL	7355	
02	AFS	2150E	1035	N19	W53	11	29.0		03	9	9	E	LEAR	7352	
03	ADF	0838E	1455	N21	W62	11	28.7	1	04	9	9	E	SVTO	7352	
03	AFS	0840E	1455	N18	W58	11	29.0		03	9	9	E	SVTO	7352	
03	ADF	0950E	1455	N22	W56	11	29.2	1	04	9	9	E	SVTO	7352	
03	ADF	1010E	1035	N22	W59	11	29.0	1	04	8	8	E	LEAR	7352	
03	AFS	1015E	1455	S13	W37	11	30.6		02	9	9	E	SVTO		
03	DSD	1038E	1047D	N16	W60	11	29.0	1				V	KHAR		
03	AFS	1118E	1914	N21	W65	11	28.6		03	9	9	E	RAMY	7352	
03	ADF	1125E	1914	N23	W59	11	29.0	1	06	9	9	E	RAMY	7352	
03	DSD	1130E	1914	N12	W64	11	28.7		03	9	9	E	RAMY	7348	
03	AFS	1155E	1914	S07	W26	12	1.5		02	8	8	E	RAMY	7353	
03	AFS	1200E	1914	S15	E67	12	8.6		01	9	9	E	RAMY	7355	
03	AFS	1214E	1914	S12	W40	11	30.5		02	9	9	E	RAMY	7356	
03	SSB	1227		348	W69	11	29.3			0	0	E	RAMY		
03	BSD	1310E	1330	S15	E78	12	9.4		04	9	9	E	SVTO	7355	
03	DSD	1408E	1455	N21	W64	11	28.8		11	9	9	E	SVTO	7352	
03	DSD	1414E	1651D	S17	E76	12	9.4		05	9	9	E	RAMY	7355	
03	AFS	1426E	1455	N13	E59	12	8.0		02	9	9	E	SVTO		
03	AFS	1434E	1914	N15	E65	12	8.5		02	8	8	E	RAMY		

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
03	DSD	1632E	1914	S17	E71	12	9.1		02	9	9	E	RAMY	7355	
03	AFS	1640E	1914	S15	E76	12	9.4		01	8	9	E	RAMY	7355	
03	AFS	1705E	1914	N10	E44	12	7.0		02	9	9	E	RAMY		
03	DSD	1733E	1914	N19	W62	11	29.1		02	9	9	E	RAMY	7352	
03	DSD	1733E	1914	N21	W68	11	28.6		03	9	9	E	RAMY	7352	
03	AFS	1830E	2349	N11	E42	12	6.9		01	9	9	E	PALE		
03	AFS	1830E	2349	N15	W44	11	30.4		01	9	9	E	PALE		
03	DSD	1830E	2349	N19	W62	11	29.1		06	9	9	E	PALE	7352	
03	ASR	1830E	2349	S25	W90	11	26.9		01	9	9	E	PALE	7354	
03	SSB	1948		353	W78	11	29.0			0	0	E	PALE		
03	ADF	2244E	1035	N21	W68	11	28.8	1	10	9	9	E	LEAR	7352	
04	AFS	0415E	1035	S14	E64	12	9.0		02	9	9	E	LEAR	7355	
04	DSD	0535E	1035	S15	E66	12	9.2		04	9	9	E	LEAR	7355	
04	AFS	0535E	1035	S21	W72	11	28.8		03	9	9	E	LEAR	7352	
04	DSD	1158E	1735	N21	W74	11	28.9		05	9	9	E	RAMY	7352	
04	BSD	1159E	1247D	N21	W78	11	28.6		05	9	9	E	RAMY	7352	
04	AFS	1200E	1735	N21	W71	11	29.1		03	9	9	E	RAMY	7352	
04	ASR	1220E	1540D	N18	W75	11	28.9		05	9	9	E	RAMY	7352	
04	DSD	1222E	1735	N13	W79	11	28.6		03	9	9	E	RAMY	7348	
04	ASR	1247E	1735	N21	W78	11	28.6		05	9	9	E	RAMY	7352	
04	SSB	1305		448	W83	11	30.1			0	0	E	RAMY		
04	AFS	1310E	1735	S14	W60	11	30.0		02	9	9	E	RAMY	7355	
04	DSD	1323E	1639D	S17	E64	12	9.4		03	9	9	E	RAMY	7355	
04	DSF	1550U	1315U	N09	W01	12	4.6	3	10	0	0	E	RAMY		
04	AFS	1640E	1735	S13	E47	12	8.2		02	9	7	E	RAMY	7357	
04	AFS	1655E	1735	N07	E12	12	5.6		02	9	9	E	RAMY		
04	AFS	1709E	1735	S12	W56	11	30.5		02	9	9	E	RAMY	7356	
04	AFS	1809E	1815	N07	E72	12	10.1		03	9	9	E	HOLL		
04	ASR	1809E	1815	N22	W79	11	28.8		04	9	9	E	HOLL	7352	
04	ASR	1821E	0310	N18	W84	11	28.5		04	9	9	E	PALE	7352	
04	AFS	2319E	1033	N07	E08	12	5.6		01	9	9	E	LEAR		
04	ASR	2321E	1033	N90	W20	12	3.1		02	8	8	E	LEAR	7352	
04	AFS	2334E	0310	N07	E09	12	5.6		01	9	9	E	PALE		
05	ASR	0741E	0742	N20	W90	11	28.5		03	9	9	E	SVTO	7352	
05	AFS	1140E	2024	S12	W64	11	30.7		02	9	9	E	RAMY	7356	
05	ASR	1145E	2024	N21	W84	11	29.1		06	9	9	E	RAMY	7352	
05	DSD	1149E	1641D	S13	E34	12	8.0		02	9	9	E	RAMY	7357	
05	ASR	1210E	1846D	N14	W90	11	28.8		02	9	9	E	RAMY	7348	
05	EPL	1227E	1848D	S53	W90	11	27.9	1	32	8	8	E	RAMY		
05	ASR	1408E	2024	S07	E90	12	12.3		03	9	9	E	RAMY	7360	
05	AFS	1423E	2024	S29	E31	12	8.0		01	9	9	E	RAMY	7359	
05	AFS	1511E	2024	N07	E00	12	5.6		02	9	9	E	RAMY	7358	
05	APR	1636E	2024	S02	E88	12	12.3	1	02	9	9	E	RAMY		
05	DSD	1640E	2024	S17	E46	12	9.2		03	9	9	E	RAMY	7355	
05	ASR	1647E	2024	S19	W90	11	28.9		02	9	9	E	RAMY	7350	
05	AFS	1655E	2024	S16	W55	12	1.5		01	9	9	E	RAMY		
05	ASR	1825E	0312	N06	W90	11	29.1		01	9	9	E	PALE	7348	
05	ASR	2157E	0312	N19	W90	11	29.1		01	9	9	E	PALE	7352	
05	ASR	2305E	0312	S17	E90	12	12.8		03	9	9	E	PALE	7360	
05	AFS	2320E	0312	S17	W58	12	1.6		01	9	9	E	PALE		
06	APR	0055E	0155D	N26	W90	11	29.1	1	05	9	9	E	LEAR	7352	
06	APR	0105E	0200D	N25	W90	11	29.2	1	04	9	9	E	PALE	7352	
06	DSD	0425E	1035	S17	W64	12	1.3		09	9	9	E	LEAR	7353	
06	BSL	0644E	0702D	S10	E90	12	13.0	1				C	ABST		
06	ADF	1018E	1348	S15	W63	12	1.6	1	03	9	9	E	SVTO		
06	AFS	1022E	1348	N07	W11	12	5.6		01	8	6	E	SVTO	7348	
06	ASR	1035E	1348	S15	E90	12	13.2		03	9	9	E	SVTO	7360	
06	LPS	1052E	2111	N12	E90	12	13.2	1	06	9	9	E	PALE		
06	AFS	1125E	2121	N07	W11	12	5.6		01	7	8	E	RAMY	7358	
06	APR	1125E	1214D	S06	E90	12	13.2	3	13	9	9	E	SVTO		
06	AFS	1135E	2121	S15	W63	12	1.7		01	8	8	E	RAMY	7361	
06	AFS	1223E	2121	S17	E75	12	12.2		03	9	7	E	RAMY	7360	
06	ASR	1638E	2121	S11	W83	11	30.4		04	9	9	E	RAMY	7356	
06	ASR	1639E	2121	N25	W90	11	29.8		03	7	7	E	RAMY	7352	
06	DSD	1642E	2121	S16	E34	12	9.3		03	9	9	E	RAMY	7355	
06	DSD	1643E	2121	S29	E17	12	8.0		03	7	9	E	RAMY	7359	
06	AFS	1652E	2121	S04	E64	12	11.5		01	9	9	E	RAMY		

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
06	AFS	1653E	2121	N07	E71	12	12.0		03	9	9	E	RAMY		
06	AFS	1911E	0330	S13	W29	12	4.6		02	9	9	E	PALE	7355	
06	DSD	1911E	0330	S16	W68	12	1.6		02	9	9	E	PALE	7261	
06	DSD	1954E	2121	S17	W70	12	1.5		04	9	9	E	RAMY	7361	
06	ASR	2025E	2121	S17	E89	12	13.6		04	9	9	E	RAMY	7360	
06	LPS	2050E	2121	N09	E90	12	13.6		04	9	9	E	RAMY		
06	LPS	2052E	2111	N12	E90	12	13.6	1	06	9	9	E	PALE		
06	AFS	2305E	1036	S19	E72	12	12.4		02	9	9	E	LEAR	7360	
06	AFS	2307E	1036	S16	W75	12	1.3		03	9	9	E	LEAR	7361	
07	ASR	0405	1036	S07	E90	12	13.9		09	9	9	E	LEAR		
07	DSD	0450E	1036	S17	E27	12	9.2		06	9	9	E	LEAR	7355	
07	AFS	0451E	1036	S04	E57	12	11.5		02	9	9	E	LEAR	7362	
07	AFS	0713E	0000	S15	W76	12	1.5		03	9	9	E	SVTO	7361	
07	ASR	0714E	1231	N12	E90	12	14.1		01	9	9	E	SVTO		
07	DSD	0852E	1231	S13	E26	12	9.3		03	7	9	E	SVTO	7355	
07	APR	0912E	1231	S04	E90	12	14.1		04	9	9	E	SVTO		
07	APR	1007E	1231	S20	W90	11	30.5	1	02	9	9	E	SVTO	7361	
07	AFS	1054E	1231	S06	W11	12	6.6		02	9	9	E	SVTO		
07	AFS	1112E	1231	S03	E53	12	11.4		02	9	9	E	SVTO	7362	
07	ASR	1113E	2109	S06	E90	12	14.2		03	9	9	E	RAMY		
07	ASR	1113E	2109	S08	E90	12	14.2		02	9	9	E	RAMY		
07	AFS	1118E	2109	S18	E63	12	12.3		03	9	9	E	RAMY	7360	
07	AFS	1127E	2109	S05	W11	12	6.6		02	9	9	E	RAMY		
07	AFS	1130E	2109	S04	E52	12	11.4		02	9	9	E	RAMY	7362	
07	AFS	1155E	2109	S16	W79	12	1.5		03	9	9	E	RAMY	7361	
07	ASR	1331E	2109	S15	W82	12	1.3		03	9	9	E	RAMY	7361	
07	ASR	1352E	1900D	N05	E90	12	14.3		02	9	9	E	RAMY		
07	ASR	1352E	2109	N10	E90	12	14.3		01	9	9	E	RAMY		
07	BSD	1557E	2109	S19	E66	12	12.7		03	9	9	E	RAMY	7360	
07	DSD	1630E	2109	S16	E20	12	9.2		01	9	9	E	RAMY	7355	
07	AFS	1640E	2109	N06	W26	12	5.7		02	8	8	E	RAMY	7354	
07	AFS	1849E	2109	S07	E45	12	11.1		01	9	9	E	RAMY		
07	ASR	2220E	0259	S16	W90	12	1.1		06	9	9	E	PALE	7361	
07	ASR	2225E	0259	S06	E90	12	14.7		05	9	9	E	PALE		
07	DSD	2225E	0259	S17	E80	12	14.0		14	9	9	E	PALE	7360	
07	AFS	2250E	1041	S17	E60	12	12.5		02	9	9	E	LEAR	7360	
07	DSD	2250E	1041	S19	E62	12	12.7		04	9	9	E	LEAR	7360	
07	ASR	2253E	1041	S16	W90	12	1.1		03	9	9	E	LEAR	7361	
07	ASR	2256E	1041	S07	E90	12	14.7		02	9	9	E	LEAR		
07	AFS	2301E	1041	S04	E45	12	11.3		02	9	9	E	LEAR	7362	
07	AFS	2301E	1041	S06	E47	12	11.5		02	9	9	E	LEAR	7362	
08	DSD	0842E	1041	S20	E21	12	10.0		04	9	9	E	LEAR		
08	AFS	0842E	1041	S22	E21	12	10.0		02	9	9	E	LEAR		
08	BSL	0939E	0947D	S13	W90	12	1.6	1				V	KHAR		
08	BSL	1020E	1035D	S13	W90	12	1.6	1				V	KHAR		
08	BSL	1045E	1048D	S13	W90	12	1.6	1				V	KHAR		
08	AFS	1113E	2118	S16	E51	12	12.3		02	9	9	E	RAMY	7360	
08	DSD	1117E	2118	S07	E73	12	13.9		02	9	9	E	RAMY	7363	
08	CAP	1120E	1908D	S15	W90	12	1.6		02	9	9	E	RAMY	7361	
08	AFS	1124E	2118	S21	E20	12	10.0		03	9	9	E	RAMY	7365	
08	DSD	1124E	2118	S22	E20	12	10.0		06	9	9	E	RAMY	7365	
08	DSD	1128E	2118	S03	E38	12	11.3		03	9	9	E	RAMY	7362	
08	AFS	1128E	2118	S04	E39	12	11.4		02	9	9	E	RAMY	7362	
08	ASR	1204E	1908D	S14	W90	12	1.7		02	9	9	E	RAMY	7361	
08	ASR	1205E	1908D	S11	E90	12	15.3		04	9	9	E	RAMY		
08	APR	1205E	2118	S11	E90	12	15.3	1	03	9	9	E	RAMY		
08	ADF	1212E	1902D	S24	E61	12	13.2	1	10	9	9	E	RAMY		
08	CRN	1230E	1905D	N05	E90	12	15.2		04	8	6	E	RAMY	7364	
08	ASR	1351E	1753D	N09	E85	12	14.9		10	9	9	E	RAMY	7364	
08	DSD	1756E	1818D	S25	E43	12	12.1		02	9	9	E	RAMY	7360	
08	ASR	1936E	2118	S09	E75	12	14.4		08	9	9	E	RAMY	7363	
08	AFS	2005E	0320	S15	E08	12	9.4		03	9	9	E	PALE	7355	
08	DSD	2005E	0320	S15	E51	12	12.7		02	9	9	E	PALE	7360	
08	AFS	2005E	0320	S19	E51	12	12.7		02	9	9	E	PALE	7360	
08	ADF	2005E	0320	S23	E49	12	12.6	1	05	9	9	E	PALE	7360	
08	DSD	2005E	0320	S30	E05	12	9.2		04	9	9	E	PALE	7355	
08	ADF	2007E	0320	S01	E75	12	14.4	1	03	9	9	E	PALE	7363	
08	DSD	2007E	0320	S04	E35	12	11.4		02	9	9	E	PALE	7362	

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
08	AFS	2007E	0320	S07	E79	12	14.7		02	9	9	E	PALE	7363	
08	DSD	2007E	0320	S14	E18	12	10.2		06	9	9	E	PALE	7365	
08	DSD	2007E	0320	S28	W10	12	8.0		02	8	8	E	PALE	7359	
08	ASR	2008E	0320	S19	E90	12	15.7		04	9	9	E	PALE		
08	SSB	2009		374	W65	12	2.2			0	0	E	PALE		
09	ADF	1113E	1147	S01	E66	12	14.4	1	09	9	9	E	RAMY	7363	
09	DSF	1124	1147	S01	E66	12	14.4	3	09	0	0	E	RAMY	7363	
09	ASR	1141E	1404D	S10	E90	12	16.2		05	9	9	E	RAMY		
09	DSD	1515E	1920D	S06	E22	12	11.3		03	9	9	E	HOLL	7362	
09	DSD	1515E	1920D	S06	E22	12	11.3		03	9	9	E	HOLL	7362	
09	AFS	1515E	2349	S05	E23	12	11.3		02	9	9	E	HOLL	7362	
09	ASR	1535E	2349	S13	E90	12	16.4		02	9	9	E	HOLL		
09	AFS	1750E	2349	S09	E66	12	14.7		02	9	9	E	HOLL	7363	
09	AFS	1750E	2349	S18	E35	12	12.4		02	9	9	E	HOLL	7360	
09	AFS	1820E	0328	S03	E23	12	11.5		02	9	9	E	PALE	7362	
09	DSD	1820E	0328	S05	E23	12	11.5		03	9	9	E	PALE	7362	
09	AFS	1820E	0328	S05	E64	12	14.5		02	9	9	E	PALE	7363	
09	AFS	1820E	0328	S16	E35	12	12.4		03	9	9	E	PALE	7360	
09	AFS	1820E	0328	S21	E04	12	10.1		01	9	9	E	PALE	7365	
09	ADF	1820E	0328	S23	E04	12	10.1	1	02	9	9	E	PALE	7365	
09	ASR	1825E	1955D	S09	E90	12	16.5		05	9	9	E	PALE		
09	ASR	1956E	0328	S09	E90	12	16.6		01	9	9	E	PALE		
09	AFS	2305E	1036	S16	E33	12	12.5		02	9	9	E	LEAR	7360	
09	AFS	2305E	1036	S17	E32	12	12.4		03	9	9	E	LEAR	7360	
09	AFS	2305E	1036	S18	E32	12	12.4		02	9	9	E	LEAR	7360	
09	AFS	2306E	1036	S06	E19	12	11.4		03	9	9	E	LEAR	7362	
09	ASR	2307E	1036	S12	E90	12	16.7		02	9	9	E	LEAR		
10	SSB	0112		314	W21	12	9.0			0	0	E	PALE		
10	AFS	0958E	1009	S18	E27	12	12.5		05	9	9	E	SVTO	7360	
10	AFS	1000E	1009	S06	E53	12	14.4		01	9	9	E	SVTO	7363	
10	AFS	1000E	1009	S07	E51	12	14.2		01	9	9	E	SVTO	7363	
10	AFS	1139E	2135	S15	E26	12	12.4		02	9	9	E	RAMY	7360	
10	AFS	1142E	2135	S07	E53	12	14.4		01	9	9	E	RAMY	7363	
10	AFS	1157E	2135	S16	E08	12	11.1		01	8	8	E	RAMY		
10	AFS	1158E	2135	S22	W06	12	10.0		01	9	9	E	RAMY	7365	
10	AFS	1210E	2135	S05	E09	12	11.2		01	9	9	E	RAMY	7362	
10	ASR	1225E	1718D	S13	W90	12	3.7		02	9	9	E	RAMY		
10	DSD	1418E	2135	S16	E21	12	12.2		02	9	9	E	RAMY	7360	
10	DSD	1425E	2135	S06	E09	12	11.3		02	9	9	E	RAMY	7362	
10	DSD	1452E	2225D	S18	E20	12	12.1		03	9	9	E	HOLL	7360	
10	AFS	1452E	2230	S04	E09	12	11.3		02	9	9	E	HOLL	7362	
10	AFS	1452E	2230	S06	E07	12	11.1		02	9	9	E	HOLL	7362	
10	ADF	1452E	2230	S06	E46	12	14.1	1	16	9	9	E	HOLL	7363	
10	AFS	1452E	2230	S17	E21	12	12.2		02	9	9	E	HOLL	7360	
10	AFS	1452E	2230	S21	W10	12	9.8		02	7	7	E	HOLL	7365	
10	DSD	1621E	2135	S21	W09	12	10.0		01	9	9	E	RAMY	7365	
10	AFS	1622E	2135	S06	E44	12	14.0		01	9	9	E	RAMY	7363	
10	DSD	1638E	1942D	S05	E05	12	11.1		02	9	9	E	RAMY	7362	
10	AFS	1830E	0252	S05	E06	12	11.2		02	9	9	E	PALE	7362	
10	AFS	1830E	0252	S07	E50	12	14.5		03	9	9	E	PALE	7363	
10	AFS	1830E	0252	S16	E20	12	12.3		03	9	9	E	PALE	7360	
10	AFS	1830E	0252	S18	E22	12	12.4		02	9	9	E	PALE	7360	
10	ADF	1832E	2135	N00	E57	12	15.0	1	09	9	9	E	RAMY	7363	
10	SSB	1908		288	W05	12	17.4			0	0	E	PALE		
10	AFS	2305E	1042	S17	E19	12	12.4		02	8	8	E	LEAR	7360	
10	AFS	2306E	1042	S16	E16	12	12.2		03	9	9	E	LEAR	7360	
10	DSD	2307E	1042	S05	E42	12	14.1		02	9	9	E	LEAR	7363	
10	DSD	2310E	1042	S05	E02	12	11.1		02	9	9	E	LEAR	7362	
10	DSD	2314E	1042	S10	E75	12	16.6		02	7	7	E	LEAR		
11	AFS	0027E	0252	S12	E73	12	16.5		03	9	9	E	PALE		
11	DSD	0422E	1042	S16	E19	12	12.6		03	7	8	E	LEAR	7360	
11	AFS	0724E	1042	S13	E67	12	16.4		02	9	9	E	LEAR		
11	AFS	0724E	1042	S13	E69	12	16.5		03	9	9	E	LEAR		
11	AFS	0750E	1403	S05	W01	12	11.2		04	9	9	E	SVTO	7362	
11	AFS	0750E	1403	S17	E11	12	12.2		03	9	9	E	SVTO	7360	
11	AFS	0916E	1403	S19	E13	12	12.4		01	9	9	E	SVTO	7360	
11	AFS	0920E	1403	S06	E00	12	11.4		01	9	9	E	SVTO	7362	

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
11	DSD	1120E	2118	S03	E01	12	11.5		02	9	9	E	RAMY	7362	
11	AFS	1120E	2118	S03	W01	12	11.4		02	9	9	E	RAMY	7362	
11	DSD	1129E	2118	S16	E11	12	12.3		03	9	9	E	RAMY	7360	
11	AFS	1130E	2118	S18	E13	12	12.5		03	9	9	E	RAMY	7360	
11	AFS	1131E	2118	S17	E11	12	12.3		02	9	9	E	RAMY	7360	
11	AFS	1131E	1403	S12	E65	12	16.4		02	9	9	E	SVTO		
11	AFS	1154E	2118	S06	W04	12	11.2		02	9	9	E	RAMY	7362	
11	ADF	1158E	1403	S25	W19	12	10.0	1	04	9	9	E	SVTO	7365	
11	AFS	1200E	1403	S18	W05	12	11.1		01	7	8	E	SVTO		
11	AFS	1203E	1403	S09	E40	12	14.5		03	9	9	E	SVTO	7363	
11	AFS	1210E	2118	S08	E40	12	14.5		02	8	8	E	RAMY	7363	
11	AFS	1215E	2118	S12	E65	12	16.4		02	9	9	E	RAMY	7366	
11	AFS	1225E	1957D	N12	W03	12	11.3		01	8	8	E	RAMY		
11	DSD	1637E	1847D	S13	E65	12	16.6		04	9	9	E	RAMY	7366	
11	AFS	1717E	2118	S16	W08	12	11.1		01	8	7	E	RAMY		
11	DSF	1723U	1203U	N20	E84	12	18.1	2	17	0	0	E	RAMY		
11	AFS	1920E	2349	S18	E05	12	12.2		03	9	9	E	HOLL	7360	
11	DSD	1930E	0317	S04	W04	12	11.5		02	9	9	E	PALE	7362	
11	DSD	1930E	0317	S05	E16	12	13.0		02	9	9	E	PALE	7360	
11	AFS	1930E	0317	S06	W07	12	11.3		02	9	9	E	PALE	7362	
11	DSD	1930E	0317	S07	W08	12	11.2		02	9	9	E	PALE	7362	
11	DSD	1930E	0317	S10	E19	12	13.2		02	9	9	E	PALE	7360	
11	AFS	1930E	0317	S14	E12	12	12.7		02	9	9	E	PALE	7360	
11	AFS	1932E	2349	S05	W08	12	11.2		04	9	9	E	HOLL	7362	
11	AFS	1932E	0317	N10	E38	12	14.7		02	9	9	E	PALE	7364	
11	ADF	1932E	0317	S04	E54	12	15.8	1	04	9	9	E	PALE	7363	
11	AFS	1932E	0317	S04	E54	12	15.8		02	9	9	E	PALE	7363	
11	DSD	1932E	0317	S07	E34	12	14.4		02	9	9	E	PALE	7363	
11	AFS	1932E	0317	S07	E36	12	14.5		02	9	9	E	PALE	7363	
11	ADF	1932E	0317	S24	W21	12	10.2	1	02	8	8	E	PALE	7365	
11	DSF	1935U	1517U	N19	E83	12	18.2		16	0	0	E	HOLL		
11	DSF	1935U	1517U	N21	E59	12	16.3		05	0	0	E	HOLL		
11	DSD	1935E	0317	S13	E65	12	16.7		04	9	9	E	PALE	7366	
11	SSB	1945		283	W13	12	18.1			0	0	E	PALE		309 W39
11	SSB	2002		277	W07	12	17.6			0	0	E	RAMY		
11	ADF	2220E	2349	S06	W12	12	11.0	2	06	9	9	E	HOLL	7362	
11	DSD	2235E	1040	S18	E07	12	12.5		03	8	8	E	LEAR	7360	
11	DSD	2237E	1040	S05	W10	12	11.2		02	6	7	E	LEAR	7362	
11	DSD	2239E	1040	S06	E29	12	14.1		02	9	9	E	LEAR	7363	
11	DSD	2241E	1040	S07	E33	12	14.4		02	9	9	E	LEAR	7363	
11	DSD	2241E	1040	S13	E55	12	16.1		04	7	8	E	LEAR	7366	
11	AFS	2249E	1040	N10	E35	12	14.6		02	8	8	E	LEAR	7364	
11	DSD	2255E	1040	N08	W09	12	11.3		02	8	7	E	LEAR		
11	ADF	2259E	1040	S20	W26	12	10.0	1	03	8	8	E	LEAR	7365	
12	AFS	0835E	1145	S17	W02	12	11.2		03	9	9	E	SVTO	7360	
12	AFS	0839E	1145	S05	W14	12	10.3		02	9	9	E	SVTO	7362	
12	AFS	0843E	1145	S12	E51	12	15.2		01	8	7	E	SVTO	7366	
12	AFS	0935E	1145	S23	W33	12	8.8		01	8	7	E	SVTO	7365	
12	ADF	0937E	1145	S07	E24	12	13.2	1	06	9	9	E	SVTO	7363	
13	BSL	0814E	0815	S28	E90	12	20.4		19	9	9	E	SVTO		
13	BSL	0815E	0853	S26	E85	12	19.9		20	9	9	E	LEAR		
13	ASR	0815E	1041	S24	E85	12	19.9		03	9	9	E	LEAR		
13	DSF	1544U	1137U	S26	E01	12	13.7	2	15	0	0	E	RAMY		
13	DSD	1848E	0309	S07	W34	12	11.2		02	9	9	E	PALE	7362	
13	AFS	1849E	0308	S04	W36	12	11.1		02	9	9	E	PALE	7362	
13	DSD	1849E	0308	S07	W34	12	11.2		02	9	9	E	PALE	7362	
13	AFS	1849E	0308	S09	E36	12	16.5		02	9	9	E	PALE	7366	
13	DSD	1849E	0308	S11	E36	12	16.5		02	9	9	E	PALE	7366	
13	ADF	1849E	0308	S16	W62	12	9.1	1	03	8	8	E	PALE	7355	
13	ADF	1850E	0308	N02	E06	12	14.2	1	04	9	9	E	PALE	7364	
13	AFS	1850E	0308	N10	E05	12	14.2		02	8	8	E	PALE	7364	
13	AFS	1850E	0308	S08	E05	12	14.1		02	9	9	E	PALE	7363	
13	AFS	1850E	0308	S16	W14	12	12.7		01	9	9	E	PALE	7360	
13	ADF	1850E	0308	S18	W21	12	12.2	1	07	9	9	E	PALE	7360	
13	AFS	1850E	0308	S25	W48	12	10.1		02	9	9	E	PALE	7365	
13	APR	1852E	0308						05	9	9	E	PALE		
13	AFS	1852E	0308	N18	E78	12	19.7		03	9	9	E	PALE		
13	AFS	1852E	0308	S10	E22	12	15.4		01	8	8	E	PALE		

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
13	AFS	1852E	0308	S17	W34	12	11.2		01	8	8	E	PALE		
13	ASR	1852E	0308	S25	E90	12	20.7		06	9	9	E	PALE		
13	DSD	1852E	0308	S33	E53	12	18.0		02	9	9	E	PALE		
13	DSF	1910U	1900U	S38	E08	12	14.4		17	0	0	E	HOLL		
13	AFS	2010E	2330	S35	E36	12	16.7		02	9	9	E	HOLL	7368	
13	DSD	2024E	2026	S04	W39	12	10.9		02	9	9	E	HOLL	7362	
13	AFS	2024E	2026	S05	W34	12	11.3		03	9	9	E	HOLL	7362	
13	AFS	2024E	2026	S12	E33	12	16.3		02	9	9	E	HOLL	7366	
13	DSD	2245E	1040	S07	W33	12	11.5		03	9	9	E	LEAR	7362	
13	DSD	2248E	1040	S13	E32	12	16.4		02	9	9	E	LEAR	7366	
13	DSD	2346E	0555D	S06	W36	12	11.3		02	9	9	E	LEAR	7362	
14	AFS	0603E	1040	S06	W39	12	11.3		01	9	9	E	LEAR	7362	
14	AFS	0604E	1040	S12	E28	12	16.4		02	9	9	E	LEAR	7366	
14	AFS	0605E	1040	S17	W26	12	12.3		02	9	9	E	LEAR	7360	
14	AFS	0606E	1040	S33	E44	12	17.7		02	9	9	E	LEAR	7368	
14	AFS	0759E	1500	S35	W12	12	13.4		02	9	9	E	SVTO	7362	
14	AFS	0759E	1500	S40	W10	12	13.5		03	9	9	E	SVTO	7362	
14	ADF	0802E	1500	S42	W06	12	13.8	1	04	9	9	E	SVTO	7362	
14	DSD	0802E	1500	S46	W08	12	13.7		03	9	9	E	SVTO	7362	
14	AFS	0902E	1500	S25	W56	12	10.0		01	9	9	E	SVTO	7365	
14	DSF	0935U	2158U	S40	E08	12	15.0		17	0	0	E	LEAR		
14	DSD	1037E	1500	S26	E10	12	15.2		07	6	9	E	SVTO	7366	
14	AFS	1037E	1500	S26	E13	12	15.4		03	9	9	E	SVTO	7366	
14	DSD	1236E	1500	S03	W04	12	14.2		02	9	9	E	SVTO	7363	
14	DSD	1236E	1500	S07	W06	12	14.1		01	9	9	E	SVTO	7363	
14	DSD	1340E	1500	S17	E65	12	19.5		02	9	9	E	SVTO		
14	DSD	1340E	1500	S23	E79	12	20.6		01	9	9	E	SVTO		
14	AFS	1352E	1500	S32	E43	12	18.0		01	9	9	E	SVTO	7368	
14	AFS	1820E	0236	S07	W45	12	11.4		03	9	9	E	PALE	7362	
14	SSB	2000		281	W50	12	21.7			0	0	E	PALE		249 W18
14	AFS	2010E	2330	S35	E36	12	17.7		02	9	9	E	HOLL	7368	
14	AFS	2025E	0236	S13	E21	12	16.4		03	9	9	E	PALE	7366	
14	DSD	2025E	0236	S20	W36	12	12.1		01	9	9	E	PALE	7360	
14	DSD	2025E	0236	S30	E44	12	18.3		02	9	9	E	PALE	7368	
14	DSD	2242E	0400D	S06	W54	12	10.9		04	9	9	E	LEAR	7362	
14	DSD	2242E	0400D	S07	W51	12	11.1		05	9	9	E	LEAR	7362	
14	AFS	2242E	1042	S06	W48	12	11.3		02	9	9	E	LEAR	7362	
14	AFS	2242E	1042	S24	E36	12	17.7		02	9	9	E	LEAR	7368	
14	DSD	2244E	0400D	S19	W41	12	11.8		04	9	9	E	LEAR	7360	
14	SSB	2249		238	W09	12	17.8			0	0	E	LEAR		
14	AFS	2326E	0236	S33	E38	12	18.0		02	9	9	E	PALE	7368	
14	DSF	2348U	2347U	S23	W09	12	14.3	1	14	0	0	E	PALE		
15	ADF	0232E	0236	N03	W14	12	14.0	1	04	9	9	E	PALE	7364	
15	ADF	0400E	1042	S15	W40	12	12.1	1	14	9	9	E	LEAR	7360	
15	AFS	0835E	1436	S33	E33	12	18.0		02	9	9	E	SVTO	7638	
15	DSD	0835E	1436	S33	E33	12	18.0		04	9	9	E	SVTO	7368	
15	DSD	0930E	1436	S05	W62	12	10.7		02	9	9	E	SVTO	7362	
15	DSD	0930E	1436	S09	W61	12	10.8		02	9	9	E	SVTO	7362	
15	DSD	0930E	1436	S10	W56	12	11.2		03	9	9	E	SVTO	7362	
15	SSB	1214		227	W06	12	17.5			0	0	E	SVTO		234 W13 240 W18
15	DSD	1216E	1436	S07	W19	12	14.1		04	7	9	E	SVTO	7363	
15	DSD	1309E	2145	S04	W59	12	11.1		04	9	9	E	RAMY	7362	
15	DSD	1400E	1436	N23	W05	12	15.2		02	9	9	E	SVTO	7364	
15	DSD	1400E	1436	S09	E12	12	16.5		05	9	9	E	SVTO	7366	
15	DSD	1400E	1436	S15	E10	12	16.3		04	9	9	E	SVTO	7366	
15	APR	1510E	2145	S07	E90	12	22.4	1	07	9	9	E	RAMY		
15	ADF	1515E	2145	S14	E15	12	16.8	1	05	9	9	E	RAMY	7366	
15	SSB	1534		278	W59	12	22.5			0	0	E	RAMY		
15	AFS	1818E	2145	S33	E30	12	18.1		02	8	8	E	RAMY	7362	
15	ASR	1822E	2145	N20	W90	12	8.9		03	8	9	E	RAMY		
15	AFS	1927E	0326	S33	E30	12	18.2		03	8	8	E	PALE	7368	
15	ADF	1955E	0326	S15	W43	12	12.6	1	06	9	9	E	PALE	7360	
15	ADF	2005E	0326	S04	W22	12	14.2	1	03	9	9	E	PALE	7363	
15	ASR	2011E	0234D	S16	W90	12	9.0		01	9	9	E	PALE	7355	
15	SSB	2018		246	W29	12	19.4			0	0	E	PALE		256 W39
15	DSD	2027E	0326	S05	W65	12	11.0		02	9	9	E	PALE	7362	
15	AFS	2027E	0326	S09	W59	12	11.4		02	9	9	E	PALE	7362	
15	ADF	2036E	0326	S43	E38	12	19.0	1	10	9	9	E	PALE	7362	

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
15	DSF	2059U	1322U	S45	E16	12	17.2	2	08	0	0	E	RAMY		
15	BSD	2112E	2145	S06	W69	12	10.7		05	9	9	E	RAMY	7362	
15	AFS	2125E	2145	S33	E25	12	17.9		01	8	8	E	RAMY	7368	
15	DSF	2348U	2347U	S23	W09	12	15.3	1	14	0	0	E	PALE		
16	DSD	0648E	1042	S02	W66	12	11.3		02	8	8	E	LEAR	7362	
16	AFS	0650E	1042	S09	W25	12	14.4		02	9	9	E	LEAR	7363	
16	AFS	0654E	1042	S07	E64	12	21.1		04	8	8	E	LEAR	7370	
16	DSD	0656E	1042	S25	E51	12	20.2		04	9	9	E	LEAR		
16	ADF	0658E	1042	S01	W71	12	11.0	1	04	7	7	E	LEAR	7362	
16	ADF	0700E	1042	S32	E21	12	17.9	1	04	8	9	E	LEAR	7368	
16	ADF	0702E	1042	S15	W55	12	12.1	1	05	8	6	E	LEAR	7360	
16	SSB	0903		227	W17	12	18.4			0	0	E	SVTO		239 W30
16	AFS	0959E	1252	S05	W67	12	11.4		02	9	9	E	SVTO	7362	
16	AFS	0959E	1252	S14	E00	12	16.4		02	9	9	E	SVTO	7366	
16	ADF	0959E	1252	S14	W50	12	12.6	1	05	9	9	E	SVTO	7360	
16	ADF	0959E	1252	S23	E39	12	19.4	1	05	9	9	E	SVTO		
16	AFS	0959E	1252	S32	E19	12	17.9		02	9	9	E	SVTO	7368	
16	ADF	0959E	1252	S34	E18	12	17.8	1	07	9	9	E	SVTO	7368	
16	DSD	1152E	2130	S05	W69	12	11.3		03	9	9	E	RAMY	7362	
16	ADF	1153E	1706D	S10	W70	12	11.2	1	06	9	9	E	RAMY	7362	
16	AFS	1153E	2130	S07	W67	12	11.5		02	8	8	E	RAMY	7362	
16	SSB	1256		248	W40	12	20.4			0	0	E	RAMY		278 W70
16	AFS	1425E	1857D	N09	W34	12	14.0		02	9	9	E	RAMY	7364	
16	AFS	1444E	2130	S32	E16	12	17.9		02	8	8	E	RAMY	7368	
16	AFS	1448E	2130	S10	W19	12	15.2		02	9	9	E	RAMY	7371	
16	AFS	1448E	2130	S10	W28	12	14.5		02	9	9	E	RAMY	7363	
16	ADF	1520E	2350	S41	E13	12	17.7	1	12	9	9	E	HOLL	7368	
16	DSD	1530E	2130	S37	E14	12	17.8		02	9	9	E	RAMY	7368	
16	ADF	1649E	2130	S41	E27	12	18.9	1	11	9	9	E	RAMY	7368	
16	DSD	1712E	2130	S06	E57	12	21.0		02	9	7	E	RAMY	7370	
16	ASR	1738E	2014D	S11	E90	12	23.5		01	9	9	E	RAMY		
16	AFS	1757E	2350	S10	W22	12	15.1		02	9	9	E	HOLL		
16	AFS	1847E	2130	S21	W61	12	12.1		02	9	9	E	RAMY	7360	
16	DSD	2005E	2350	S32	E10	12	17.6		04	9	9	E	HOLL	7368	
16	DSF	2007U	1202U	S19	E15	12	18.0	1	07	0	0	E	RAMY		
16	ADF	2026E	0000	S11	W32	12	14.4	1	07	9	9	E	HOLL	7363	
16	SSB	2154		227	W24	12	19.0			0	0	E	HOLL		240 W37
16	ASR	2221E	2350	S16	E90	12	23.7		01	6	5	E	HOLL		
16	AFS	2255E	1044	S04	W76	12	11.3		02	8	8	E	LEAR	7362	
16	DSD	2257E	1044	S11	W09	12	16.3		03	8	8	E	LEAR	7366	
16	AFS	2259E	1044	S15	W64	12	12.1		02	7	7	E	LEAR	7360	
16	AFS	2300E	1044	S18	W68	12	11.8		02	7	7	E	LEAR	7360	
16	AFS	2303E	1044	S09	W24	12	15.1		04	9	9	E	LEAR	7371	
16	DSD	2305E	1044	S11	E78	12	22.8		03	8	7	E	LEAR		
17	AFS	0147E	0147	S10	W23	12	15.3		02	9	9	E	PALE	7371	
17	SSB	1202		248	W54	12	21.6			0	0	E	RAMY		
17	AFS	1457E	2350	S08	W33	12	15.1		02	9	9	E	HOLL	7371	
17	DSD	1501E	2350	S07	W44	12	14.3		06	9	9	E	HOLL	7363	
17	ADF	1504E	2350	S14	W75	12	11.9	1	08	9	9	E	HOLL	7360	
17	DSD	1505E	1728D	S10	W44	12	14.3		03	9	9	E	RAMY	7363	
17	DSD	1508E	2350	S32	W03	12	17.4		02	9	9	E	HOLL	7368	
17	AFS	1508E	2041	S11	W33	12	15.1		02	9	9	E	RAMY	7371	
17	ASR	1515E	2041	S04	E90	12	24.4		02	9	9	E	RAMY		
17	ASR	1518E	2350	S10	E90	12	24.4		06	9	9	E	HOLL		
17	AFS	1521E	2041	S32	E03	12	17.9		02	8	8	E	RAMY	7368	
17	SSB	1547		242	W49	12	21.2			0	0	E	HOLL		
17	AFS	1713E	2041	S22	W72	12	12.2		02	9	9	E	RAMY	7360	
17	ASR	1720E	2041	S07	E90	12	24.5		03	9	9	E	RAMY		
17	AFS	1723E	2041	S11	W42	12	14.6		01	7	9	E	RAMY	7363	
17	AFS	1731E	2041	S14	W17	12	16.4		01	7	7	E	RAMY	7366	
17	ASR	1850E	2350	S04	W90	12	11.0		03	9	9	E	HOLL	7362	
18	AFS	0350E	1044	N04	E05	12	18.5		03	9	9	E	LEAR		
18	AFS	0958E	1445	S11	W42	12	15.2		02	9	9	E	SVTO	7371	
18	AFS	1000E	1445	S34	W07	12	17.8		02	9	9	E	SVTO	7368	
18	ADF	1032E	1445	S35	W08	12	17.8	1	03	9	9	E	SVTO	7368	
18	ASR	1058E	1445	S17	W90	12	11.6		02	9	9	E	SVTO	7360	
18	AFS	1121E	1445	S06	E24	12	20.3		02	9	9	E	SVTO	7369	

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
18	AFS	1123E	1445	N05	E01	12	18.5		01	8	6	E	SVTO		
18	ASR	1128E	1445	S08	W90	12	11.7		02	9	9	E	SVTO		
18	AFS	1238E	2007	S12	W43	12	15.3		02	9	9	E	RAMY	7371	
18	AFS	1238E	2007	S12	W53	12	14.5		02	5	5	E	RAMY	7363	
18	AFS	1314E	2007	N04	E00	12	18.5		01	7	7	E	RAMY		
18	AFS	1315E	2007	S12	W29	12	16.4		01	9	9	E	RAMY	7366	
18	ADF	1321E	2007	S38	W04	12	18.2	1	07	9	9	E	RAMY	7368	
18	AFS	1325E	2007	S33	W08	12	17.9		02	9	9	E	RAMY	7368	
18	AFS	1341E	2007	S08	E81	12	24.6		02	9	9	E	RAMY	7374	
18	SSB	1417		238	W57	12	21.9			0	0	E	RAMY		248 W67
18	DSD	1646E	2007	S34	W12	12	17.7		02	9	9	E	RAMY	7368	
18	DSD	1655E	2007	S07	E73	12	24.2		03	9	9	E	RAMY	7374	
18	DSD	1657E	1857D	S11	E62	12	23.4		02	9	9	E	RAMY	7372	
18	ASR	1832E	2007	N19	E89	12	25.6		01	9	9	E	RAMY		
18	ASR	1834E	2007	S21	W90	12	11.9		02	9	9	E	RAMY		
18	SSB	2040		184	W07	12	25.1			0	0	E	PALE		210 W33 235 W58
18	SSB	2049		249	W72	12	23.3			0	0	E	HOLL		
18	DSD	2250E	1042	S38	W15	12	17.7		03	9	9	E	LEAR	7368	
18	AFS	2253E	1042	S09	W50	12	15.2		02	9	9	E	LEAR	7371	
18	AFS	2254E	1042	S11	W50	12	15.2		03	9	9	E	LEAR	7371	
18	AFS	2256E	1042	S08	W64	12	14.1		02	9	9	E	LEAR	7363	
18	AFS	2258E	1042	S12	W35	12	16.3		02	9	9	E	LEAR	7366	
18	DSD	2301E	1042	S08	E71	12	24.3		03	9	9	E	LEAR	7374	
18	DSD	2302E	1042	S09	E70	12	24.2		03	9	9	E	LEAR	7374	
19	DSF	0415U	2348U	S06	W36	12	16.5	2	14	0	0	E	LEAR		
19	AFS	0810E	1500	S11	W55	12	15.2		01	9	9	E	SVTO	7371	
19	AFS	0810E	1500	S34	W18	12	17.9		08	9	9	E	SVTO	7368	
19	DSD	0815E	1500	S33	W24	12	17.4		03	9	9	E	SVTO	7368	
19	AFS	0824E	1500	N13	W34	12	16.8		02	9	9	E	SVTO		
19	DSD	0824E	1500	N14	W32	12	16.9		02	9	9	E	SVTO		
19	DSD	0834E	1500	S07	E66	12	24.3		03	9	9	E	SVTO	7374	
19	AFS	0834E	1500	S09	E72	12	24.8		02	9	9	E	SVTO	7374	
19	AFS	1200E	2050	S09	W61	12	14.9		02	9	9	E	RAMY	7371	
19	AFS	1200E	2050	S10	W56	12	15.3		02	9	9	E	RAMY	7371	
19	AFS	1206E	1709D	S10	W66	12	14.5		02	5	7	E	RAMY	7363	
19	AFS	1219E	2050	S11	E68	12	24.6		03	9	9	E	RAMY	7374	
19	AFS	1238E	2050	N14	W35	12	16.9		02	9	9	E	RAMY	7375	
19	DSD	1239E	2050	N15	W33	12	17.0		02	9	9	E	RAMY	7375	
19	DSD	1244E	1357D	N05	W04	12	19.2		01	9	9	E	RAMY		
19	SSB	1255		239	W70	12	23.1			0	0	E	RAMY		
19	ADF	1259E	1500	S13	W43	12	16.3	1	10	9	9	E	SVTO	7366	
19	ADF	1630E	2050	S32	W18	12	18.3	1	12	9	9	E	RAMY	7368	
19	DSD	1636E	2050	S10	E61	12	24.3		03	9	9	E	RAMY	7374	
19	AFS	1648E	2050	S14	E50	12	23.5		02	8	8	E	RAMY	7372	
19	ASR	1747	1834D	N06	E85	12	26.1		02	9	9	E	RAMY		
19	APR	1841E	1920D	S14	E89	12	26.5	1	02	9	9	E	RAMY		
19	ASR	1841E	2050	S15	E90	12	26.6		02	9	9	E	RAMY		
19	AFS	1915E	0126	S09	W64	12	15.0		01	7	7	E	PALE	7371	
19	DSD	1915E	0126	S12	W60	12	15.3		01	9	9	E	PALE	7371	
19	AFS	1931E	0126	N08	W71	12	14.5		02	8	8	E	PALE	7364	
19	DSD	2015E	0126	S11	E47	12	23.4		02	9	9	E	PALE	7372	
19	DSD	2037E	0126	S09	E60	12	24.4		04	9	9	E	PALE	7374	
19	DSD	2037E	0126	S10	E66	12	24.8		02	8	8	E	PALE	7374	
19	AFS	2037E	0126	S11	E65	12	24.7		03	8	8	E	PALE	7374	
19	AFS	2350E	0605D	S11	E64	12	24.8		01	9	9	E	LEAR	7374	
19	DSD	2350E	1049	S10	E58	12	24.3		02	9	9	E	LEAR	7374	
19	ADF	2351E	0605D	S16	W46	12	16.5	1	02	9	9	E	LEAR	7366	
19	AFS	2351E	1049	S10	W63	12	15.3		01	9	9	E	LEAR	7371	
19	DSD	2352E	0609D	N16	W40	12	17.0		02	9	9	E	LEAR	7375	
19	ADF	2353E	0609D	S31	W30	12	17.6	1	02	9	9	E	LEAR	7368	
20	AFS	0555E	1049	N13	W46	12	16.8		02	9	9	E	LEAR	7375	
20	BSL	0915E	0930D	S10	W90	12	13.6	1				V	KHAR		
20	DSD	1027E	1055D	S09	E55	12	24.6	1				V	KHAR		
20	AFS	1035E	1440	N07	E73	12	25.9		02	9	9	E	SVTO		
20	DSD	1035E	1440	N09	E71	12	25.8		01	9	9	E	SVTO		
20	AFS	1035E	1440	N13	W49	12	16.7		03	9	9	E	SVTO	7375	
20	DSD	1035E	1440	N13	W49	12	16.7		02	9	9	E	SVTO	7375	
20	DSD	1035E	1440	S08	E53	12	24.4		04	9	9	E	SVTO	7374	

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
20	DSD	1035E	1440	S08	E56	12	24.6		02	9	9	E	SVTO	7374	
20	DSD	1035E	1440	S09	E07	12	21.0		01	9	9	E	SVTO	7370	
20	AFS	1035E	1440	S09	E53	12	24.4		01	9	9	E	SVTO	7374	
20	DSD	1035E	1440	S10	E54	12	24.5		03	9	9	E	SVTO	7374	
20	DSD	1035E	1440	S11	E65	12	25.3		02	9	9	E	SVTO	7374	
20	AFS	1035E	1440	S11	E71	12	25.8		01	9	9	E	SVTO	7371	
20	AFS	1035E	1440	S12	E42	12	23.6		01	9	9	E	SVTO	7372	
20	AFS	1035E	1440	S26	W09	12	19.7		01	9	9	E	SVTO		
20	DSD	1150E	1440	N18	E65	12	25.4		01	9	9	E	SVTO	7376	
20	ASR	1150E	1440	S10	E90	12	27.2		06	9	8	E	SVTO		
20	ASR	1150E	1440	S11	E90	12	27.3		02	9	9	E	SVTO		
20	AFS	1155E	2145	S11	W70	12	15.2		02	9	9	E	RAMY	7371	
20	AFS	1159E	2145	S11	E55	12	24.6		02	9	9	E	RAMY	7374	
20	DSD	1200E	2145	S09	E50	12	24.2		03	9	9	E	RAMY	7374	
20	AFS	1211E	2145	N13	W49	12	16.8		02	9	9	E	RAMY	7375	
20	AFS	1229E	1440	N17	W17	12	19.2		02	9	9	E	SVTO		
20	DSD	1236E	2145	S09	W72	12	15.1		04	9	9	E	RAMY	7371	
20	APR	1238E	1945D	S02	W87	12	14.0	1	09	9	9	E	RAMY		
20	ADF	1243E	1800D	S32	W30	12	18.1	1	05	9	9	E	RAMY	7368	
20	AFS	1244E	2145	N16	W18	12	19.2		01	8	8	E	RAMY	7377	
20	ASR	1250E	2145	S12	E90	12	27.3		02	9	9	E	RAMY		
20	APR	1252E	2145	S25	E90	12	27.5	1	07	9	9	E	RAMY		
20	ADF	1255E	2145	S23	E14	12	21.6	1	22	9	9	E	RAMY		
20	DSD	1259E	2145	N12	W46	12	17.1		03	9	9	E	RAMY	7375	
20	ADF	1329E	2145	S32	E73	12	26.3	1	11	9	9	E	RAMY		
20	ASR	1622E	2145	N09	W90	12	13.9		02	7	7	E	RAMY	7364	
20	DSD	1629E	2145	N14	W50	12	16.9		02	9	9	E	RAMY	7375	
20	DSD	1720E	2145	N09	E68	12	25.8		03	9	9	E	RAMY	7378	
20	DSD	1740E	2145	S11	W77	12	14.9		05	9	9	E	RAMY	7363	
20	ASR	2035E	2145	S07	W90	12	14.1		05	9	9	E	RAMY		
20	ADF	2127E	2218	S10	E46	12	24.3	1	05	9	9	E	HOLL	7374	
20	AFS	2235E	0203	N13	W55	12	16.8		02	9	9	E	PALE	7375	
20	AFS	2235E	0203	S10	E50	12	24.7		02	9	9	E	PALE	7374	
20	ASR	2301E	0203	S12	W90	12	14.2		01	9	9	E	PALE	7363	
20	AFS	2327E	2218	N15	W55	12	16.8		02	9	9	E	HOLL	7375	
20	AFS	2350E	0250D	N13	W54	12	16.9		01	9	9	E	LEAR	7375	
20	DSD	2350E	0250D	N13	W57	12	16.7		02	9	9	E	LEAR	7375	
20	DSD	2351E	1048	S09	W78	12	15.1		02	9	9	E	LEAR	7371	
20	DSD	2352E	1048	S12	E30	12	23.2		02	9	9	E	LEAR	7372	
21	AFS	0530E	1048	N13	W59	12	16.8		01	9	9	E	LEAR	7375	
21	ADF	0750E	0815D	S25	W01	12	21.2					V	ATHN		
21	ADF	0755E	0815D	S01	E16	12	22.5					V	ATHN		
21	APR	0800E	0815D	S40	E90	12	28.7					V	ATHN		
21	DSD	0829E	1408D	S12	W81	12	15.2		09	9	9	E	SVTO	7371	
21	DSD	0845E	1048	S11	E41	12	24.4		02	9	9	E	LEAR	7374	
21	DSF	1247U	1122U	S30	E06	12	22.0	2	17	0	0	E	SVTO		
21	AFS	1319E	2139	S11	E40	12	24.6		02	9	9	E	RAMY	7374	
21	AFS	1320E	2139	N13	W63	12	16.8		02	9	9	E	RAMY	7375	
21	DSD	1320E	2139	N14	W62	12	16.9		02	9	9	E	RAMY	7375	
21	APR	1322E	2139	S01	W90	12	14.8	1	13	9	9	E	RAMY		
21	ASR	1333E	2139	S09	W84	12	15.3		03	9	9	E	RAMY	7371	
21	AFS	1338E	2139	N11	E58	12	25.9		02	8	8	E	RAMY	7378	
21	DSD	1342E	2139	S12	E24	12	23.4		06	9	9	E	RAMY	7372	
21	AFS	1342E	2139	S13	E26	12	23.5		02	8	8	E	RAMY	7372	
21	ADF	1353E	2139	S20	W04	12	21.3	1	24	9	9	E	RAMY		
21	SSB	1445		162	W21	12	26.4			0	0	E	HOLL		
21	APR	1445E	2220	N01	W90	12	14.9		12	9	9	E	HOLL		
21	AFS	1445E	2220	N14	W63	12	16.8		01	9	9	E	HOLL	7375	
21	ASR	1445E	2220	S10	W90	12	14.8		02	9	9	E	HOLL	7371	
21	AFS	1635E	2139	S34	W51	12	17.6		03	9	9	E	RAMY	7378	
21	ADF	1638E	2139	S33	W52	12	17.6	1	11	9	9	E	RAMY	7378	
21	ASR	1817E	0257	S18	E90	12	28.6		05	9	9	E	PALE		
21	ASR	1820E	2220	S22	E90	12	28.7		13	9	9	E	HOLL		
21	BSL	1822	1825	S22	E90	12	28.7		19	9	9	E	HOLL		
21	ASR	1824E	2139	S20	E90	12	28.6		09	9	9	E	RAMY		
21	DSF	2002U	1211U	S20	W07	12	21.3	1	24	0	0	E	RAMY		
21	ASR	2005E	0248D	S08	W90	12	15.1		01	9	9	E	PALE		
21	APR	2008E	2139	N15	E90	12	28.6	1	10	9	9	E	RAMY		

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
22	ASR	0130E	0150D	S09	W90	12	15.3		03	8	8	E	LEAR		
22	DSD	0153E	0844D	N06	E49	12	25.7		03	7	7	E	LEAR	7378	
22	ASR	0244E	0257	S13	W90	12	15.3		02	9	9	E	PALE	7371	
22	SSB	0256		178	W44	12	28.6			0	0	E	PALE		
22	AFS	0535E	1049	N12	W73	12	16.7		02	9	9	E	LEAR	7375	
22	AFS	0536E	0844D	S16	E65	12	27.2		02	9	9	E	LEAR		
22	ADF	0835E	1049	S12	E29	12	24.5	1	03	9	9	E	LEAR	7374	
22	ADF	0837E	1049	S19	E64	12	27.2	1	04	9	9	E	LEAR		
22	AFS	0940E	1344	N13	W78	12	16.5		02	9	9	E	SVTO	7375	
22	AFS	1100E	1344	S17	W39	12	19.5		02	9	9	E	SVTO		
22	ASR	1120E	1344	S13	W90	12	15.7		02	9	9	E	SVTO		
22	ADF	1155E	1344	S18	E62	12	27.2	1	04	9	9	E	SVTO		
22	ADF	1206E	1344	N12	E45	12	25.9	1	02	9	9	E	SVTO	7378	
22	AFS	1232E	2113	S08	E28	12	24.6		02	8	8	E	RAMY	7374	
22	DSD	1232E	2113	S10	E27	12	24.5		02	9	9	E	RAMY	7374	
22	ASR	1323E	2113	S13	W90	12	15.8		04	9	9	E	RAMY	7366	
22	DSD	1345E	2113	S19	E62	12	27.3		05	9	9	E	RAMY		
22	DSD	1347E	2113	S12	E71	12	27.9		02	9	9	E	RAMY	7379	
22	AFS	1352E	2113	S17	W40	12	19.5		02	9	9	E	RAMY	7380	
22	AFS	1355E	2113	N13	W75	12	16.9		03	9	9	E	RAMY	7375	
22	DSD	1357E	2113	N15	W75	12	16.9		02	9	9	E	RAMY	7375	
22	AFS	1759E	0351	S16	E56	12	27.0		02	9	9	E	PALE		
22	AFS	1809E	0351	S16	W40	12	19.7		01	8	8	E	PALE		
22	ADF	1810E	0351	S10	W19	12	21.3	1	02	9	9	E	PALE	7370	
22	AFS	1831E	2113	S09	E67	12	27.8		03	8	7	E	RAMY	7379	
22	AFS	1845E	2113	S09	W24	12	21.0		02	9	9	E	RAMY	7370	
22	SSB	1903		126	W01	12	24.7			0	0	E	PALE		
22	ASR	1903E	0351	S11	W90	12	16.0		04	9	9	E	PALE	7366	
22	SSB	1916		126	W01	12	24.7			0	0	E	RAMY		
22	DSF	1946U	1249U	N06	W05	12	22.4	1	16	0	0	E	RAMY		
22	SSB	2158		127	W03	12	24.9			0	0	E	HOLL		
22	SSB	2315		127	W04	12	25.0			0	0	E	LEAR		
22	DSD	2316E	0415D	S10	E17	12	24.2		03	9	9	E	LEAR	7374	
22	DSD	2317E	0415D	S12	E04	12	23.3		03	6	5	E	LEAR	7372	
22	AFS	2318E	1049	S16	W46	12	19.5		02	7	7	E	LEAR	7380	
22	ADF	2319E	1049	S25	W38	12	20.0	1	10	9	9	E	LEAR		
23	AFS	0807E	1405	S09	W31	12	21.0		02	9	9	E	SVTO	7370	
23	AFS	0809E	1405	S17	W50	12	19.5		01	7	7	E	SVTO	7380	
23	AFS	0831E	1405	S09	W62	12	18.7		01	8	7	E	SVTO		
23	AFS	0837E	1405	S05	E15	12	24.5		01	9	9	E	SVTO	7374	
23	ADF	0842E	1405	S26	W43	12	20.0	1	09	9	9	E	SVTO		
23	ADF	0907E	1405	S12	E18	12	24.7	1	04	9	9	E	SVTO	7374	
23	AFS	1124E	2136	S09	E13	12	24.4		02	9	9	E	RAMY	7374	
23	ADF	1127E	2136	N05	E31	12	25.8	1	04	9	8	E	RAMY	7378	
23	AFS	1219E	2136	S17	W51	12	19.6		01	9	9	E	RAMY	7380	
23	ASR	1220E	1704D	N11	W90	12	16.7		01	9	9	E	RAMY	7375	
23	ASR	1234E	1405	N11	W90	12	16.7		02	9	9	E	SVTO	7375	
23	ADF	1241E	2136	S09	W33	12	21.0	1	04	9	9	E	RAMY	7370	
23	AFS	1245E	2136	N10	E33	12	26.0		02	8	8	E	RAMY	7378	
23	DSD	1259E	2136	S11	E10	12	24.3		04	9	9	E	RAMY	7374	
23	AFS	1326E	2136	S09	W64	12	18.7		02	9	9	E	RAMY		
23	APR	1330E	2136	N28	E90	12	30.6	1	20	9	9	E	RAMY		
23	SSB	1510		123	W14	12	25.4			0	0	E	RAMY		
23	ADF	1628E	2226	N11	E28	12	25.8	1	09	9	9	E	HOLL	7378	
23	ASR	1638E	2226	N17	W90	12	16.8		01	8	9	E	HOLL	7375	
23	APR	1655E	2136	S37	W90	12	16.4	1	04	9	9	E	RAMY		
23	ASR	1704E	2136	N14	W90	12	16.9		01	9	9	E	RAMY	7375	
23	APR	1712E	2226	S35	W90	12	16.5	1	03	8	9	E	HOLL		
23	DSD	1745E	1939D	N10	E28	12	25.8		03	9	9	E	HOLL	7378	
23	ADF	1747E	2226	N03	E30	12	26.0	1	09	9	9	E	HOLL	7378	
23	AFS	1814E	2226	S07	W67	12	18.7		03	9	9	E	HOLL		
23	DSD	1850E	1851	S06	E13	12	24.7		01	9	9	E	PALE	7374	
23	ADF	1850E	1851	S09	E07	12	24.3	1	05	9	9	E	PALE	7374	
23	ADF	1850E	1851	S13	E11	12	24.6	1	03	9	9	E	PALE	7374	
23	ASR	1934E	2136	S33	W83	12	17.2		04	9	9	E	RAMY		
23	BSD	1950E	2226	S30	W82	12	17.4		08	9	9	E	HOLL	7368	
23	APR	2055E	2226	N20	E90	12	30.7	1	23	8	9	E	HOLL		
23	DSD	2330E	1045	S11	E07	12	24.5		02	9	9	E	LEAR	7374	

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
23	AFS	2340E	1045	S08	W71	12	18.7		02	9	9	E	LEAR		
24	ADF	0415E	1045	S09	E05	12	24.5	1	05	9	9	E	LEAR	7374	
24	ASR	0715E	1045	S32	W90	12	17.2		02	9	9	E	LEAR	7368	
24	ADF	0802E	1448	S04	E03	12	24.5	1	06	9	9	E	SVTO	7374	
24	DSD	0802E	1448	S11	E03	12	24.6		02	9	9	E	SVTO	7374	
24	ASR	0858E	1448	S33	W90	12	17.2		02	9	9	E	SVTO	7368	
24	AFS	1236E	2126	S09	W78	12	18.7		03	9	9	E	RAMY		
24	DSD	1414E	2126	S08	W03	12	24.4		01	9	9	E	RAMY	7374	
24	AFS	1414E	2126	S10	W01	12	24.5		02	9	9	E	RAMY	7374	
24	ASR	1415E	2126	S33	W90	12	17.4		02	9	9	E	RAMY	7368	
24	AFS	1422E	2126	N06	E48	12	28.2		02	9	9	E	RAMY		
24	AFS	1426E	1448	N05	E49	12	28.3		04	9	9	E	SVTO		
24	DSF	1448U	1217U	S43	E77	12	31.0	2	42	0	0	E	SVTO		
24	DSF	1623U	1248U	S26	E40	12	27.8	2	49	0	0	E	RAMY		
24	DSD	1731E	2126	S09	W09	12	24.0		02	9	9	E	RAMY	7374	
24	SSB	1733		127	W27	12	26.8			0	0	E	RAMY		
24	SSB	1741		106	W06	12	25.2			0	0	E	HOLL		
24	AFS	1849E	2126	N11	E15	12	25.9		01	9	9	E	RAMY	7378	
24	DSD	2034E	2126	S08	W51	12	21.0		02	9	9	E	RAMY	7370	
24	SSB	2145		140	W07	12	27.9			0	0	E	PALE		123 W26 163 W66
24	AFS	2232E	1044	N06	E46	12	28.4		04	9	9	E	LEAR	7381	
25	DSF	0006U	0704U	S24	E38	12	27.9		08	0	0	E	LEAR		
25	DSF	0006U	0704U	S35	E55	12	29.4		36	0	0	E	LEAR		
25	ADF	1137E	1910	S07	W11	12	24.7	1	03	9	9	E	RAMY	7374	
25	ASR	1203E	1556D	S05	W90	12	18.8		01	9	9	E	RAMY		
25	ADF	1221E	1910	S14	W25	12	23.6	1	04	9	9	E	RAMY	7372	
25	SSB	1227		131	W29	12	27.9			0	0	E	SVTO		
25	ADF	1402E	1910	N04	E37	12	28.3	1	05	9	9	E	RAMY	7381	
25	DSD	1402E	1910	N06	E37	12	28.3		01	9	9	E	RAMY	7381	
25	ADF	1538E	1910	S20	E51	12	29.5	1	06	9	9	E	RAMY	7382	
25	AFS	2040E	2102	S05	W23	12	24.1		02	9	9	E	PALE	7374	
25	DSD	2040E	2102	S10	W16	12	24.6		02	9	9	E	PALE	7374	
25	ADF	2040E	2102	S11	W26	12	23.9	1	06	8	8	E	PALE	7374	
25	SSB	2305		489	W46	12	18.5			0	0	E	LEAR		
25	AFS	2306E	1045	N03	E29	12	28.1		03	9	9	E	LEAR	7381	
25	DSD	2307E	1045	N10	E02	12	26.1		03	5	5	E	LEAR	7378	
25	AFS	2308E	1045	S18	E49	12	29.7		02	9	9	E	LEAR	7382	
25	ADF	2309E	1045	S19	E44	12	29.3	1	05	9	9	E	LEAR	7382	
26	SSB	1221		130	W53	12	29.1			0	0	E	RAMY		
26	DSD	1258E	1520	S13	W28	12	24.4		02	9	9	E	RAMY	7374	
26	AFS	1259E	1520	N16	W15	12	25.4		01	9	9	E	RAMY	7376	
26	AFS	1309E	1520	N06	E21	12	28.1		02	9	9	E	RAMY	7381	
26	DSD	1310E	1520	N04	E23	12	28.3		02	9	9	E	RAMY	7381	
26	ADF	1322E	1520	N06	E65	12	31.4	1	05	9	9	E	RAMY		
26	AFS	1411E	1520	S04	E21	12	28.2		01	9	9	E	RAMY	7383	
26	DSD	1411E	1520	S05	E21	12	28.2		01	9	9	E	RAMY	7383	
26	AFS	1412E	1520	S17	E42	12	29.8		01	7	7	E	RAMY	7382	
26	ADF	1412E	1520	S20	E38	12	29.5	1	05	9	9	E	RAMY	7382	
26	SSB	1556		134	W59	12	29.6			0	0	E	HOLL		
26	ADF	1618E	2355	N01	E63	12	31.4	1	05	9	9	E	HOLL		
26	AFS	1618E	2355	N04	E20	12	28.2		03	9	9	E	HOLL	7381	
26	AFS	1716E	2355	N17	W18	12	25.3		02	9	9	E	HOLL	7376	
26	AFS	2315E	0945	N17	E03	12	27.2		02	8	5	E	LEAR	7381	
26	AFS	2316E	0945	N22	W15	12	25.8		02	7	7	E	LEAR	7376	
26	ADF	2318E	0945	N59	E02	12	27.1		04	9	9	E	LEAR		
27	DSF	0730U	1251U	N03	E59	12	31.7	2	05	0	0	E	SVTO		
27	AFS	0902E	1430	N05	E09	12	28.0		02	9	9	E	SVTO	7381	
27	DSD	0902E	1430	S10	W36	12	24.7		02	9	9	E	SVTO	7374	
27	ADF	0909E	1430	S13	W52	12	23.4	1	01	9	9	E	SVTO	7372	
27	AFS	0915E	1430	N15	W29	12	25.2		02	9	9	E	SVTO	7376	
27	AFS	0919E	1430	N10	W19	12	26.0		02	9	9	E	SVTO	7378	
27	ADF	0919E	1430	N12	W20	12	25.9	1	09	9	9	E	SVTO	7378	
27	DSD	0936E	1430	S05	E08	12	28.0		02	9	9	E	SVTO	7383	
27	AFS	0936E	1430	S05	E09	12	28.1		01	9	9	E	SVTO	7383	
27	DSD	0940E	1430	S10	E09	12	28.1		01	9	9	E	SVTO	7379	
27	DSD	0946E	1430	S16	E27	12	29.4		02	9	9	E	SVTO	7382	

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
27	AFS	0946E	1430	S17	E31	12	29.8		01	9	9	E	SVTO	7382	
27	DSD	0946E	1430	S17	E31	12	29.8		03	9	9	E	SVTO	7382	
27	ASR	0959E	1430	S10	E90	01	3.2		06	9	9	E	SVTO	7370	
27	SSB	1311		443	W20	12	24.3			0	0	E	RAMY		132 W69
27	DSD	1318E	2107	S10	W39	12	24.6		02	9	9	E	RAMY	7374	
27	AFS	1324E	2107	N11	W18	12	26.2		01	7	7	E	RAMY	7378	
27	AFS	1329E	2107	N16	W31	12	25.2		02	8	8	E	RAMY	7376	
27	AFS	1333E	2107	S05	E08	12	28.2		01	9	9	E	RAMY	7383	
27	DSD	1335E	2107	S10	E09	12	28.2		03	9	9	E	RAMY	7379	
27	AFS	1544E	2107	S17	E27	12	29.7		01	9	9	E	RAMY	7382	
27	DSD	1706E	2107	S05	E06	12	28.2		02	9	9	E	RAMY	7383	
27	APR	1710E	2107	S14	W90	12	20.9	1	04	9	9	E	RAMY	7370	
27	ASR	1712E	2107	S09	W90	12	21.0		01	9	9	E	RAMY	7370	
27	ASR	1720E	1930	S07	W90	12	21.0		02	9	9	E	HOLL	7370	
27	APR	1720E	1930D	S07	W90	12	21.0	1	03	8	8	E	HOLL	7370	
27	AFS	1730E	1930	S05	E04	12	28.0		02	9	9	E	HOLL	7383	
27	SSB	1750		108	W48	12	28.4			0	0	E	HOLL		140 W80
27	AFS	2315E	1050	N05	E02	12	28.1		02	3	9	E	LEAR	7381	
27	AFS	2316E	1050	N15	W35	12	25.3		02	8	6	E	LEAR	7376	
27	AFS	2318E	1050	S05	E01	12	28.0		03	9	9	E	LEAR	7383	
27	ADF	2320E	1050	N06	E51	12	31.8	1	06	9	9	E	LEAR		
28	AFS	1132E	2123	N14	W41	12	25.4		02	9	9	E	RAMY	7376	
28	AFS	1142E	2123	N03	W04	12	28.2		02	9	9	E	RAMY	7381	
28	AFS	1144E	2123	S06	W06	12	28.0		01	9	9	E	RAMY	7383	
28	ADF	1840E	0254	S07	W56	12	24.6	1	03	9	9	E	PALE	7374	
28	AFS	1840E	0254	S11	W59	12	24.3		02	8	8	E	PALE	7374	
28	AFS	1842E	0254	N03	W11	12	27.9		01	9	9	E	PALE	7381	
28	AFS	1844E	2123	N01	E03	12	29.0		01	9	9	E	RAMY		
28	ADF	1845E	0254	N12	W32	12	26.4	1	03	9	9	E	PALE	7378	
28	ADF	1855E	2123	N03	E35	12	31.4	1	05	9	9	E	RAMY		
28	DSD	2053E	2123	N03	W12	12	28.0		01	9	9	E	RAMY	7381	
28	DSD	2054E	2123	N14	W49	12	25.2		04	9	9	E	RAMY	7376	
28	APR	2230E	0254	S32	W90	12	21.8	1	05	9	9	E	PALE		
28	ADF	2332E	1050	S05	W59	12	24.6	1	03	9	9	E	LEAR	7374	
29	DSD	0945E	1050	N13	W55	12	25.2		07	9	9	E	LEAR	7376	
29	APR	1014E	1025D	S10	W90	12	22.7	1				P	VALA		
29	DSD	1255E	1635D	S11	W18	12	28.2		02	9	9	E	RAMY	7379	
29	AFS	1305E	1635D	S10	W17	12	28.3		02	8	8	E	RAMY	7379	
29	AFS	1310E	2114D	N05	W19	12	28.1		02	8	8	E	RAMY	7381	
29	DSD	1313E	2114	N14	W57	12	25.2		04	9	9	E	RAMY	7376	
29	AFS	1315E	2114	N13	W58	12	25.2		02	9	9	E	RAMY	7376	
29	DSD	1348E	1637D	S11	W68	12	24.4		02	9	9	E	RAMY	7374	
29	ADF	1348E	1659D	S18	E01	12	29.6	1	05	9	9	E	RAMY	7382	
29	SSB	1458		415	W19	12	28.5			0	0	E	RAMY		453 W57
29	SSB	1556		424	W29	12	27.8			0	0	E	HOLL		
29	AFS	1614E	1922	N16	W60	12	25.1		02	9	9	E	HOLL	7376	
29	ADF	1626E	1922	S22	W81	12	23.4	1	09	9	9	E	HOLL	7385	
29	APR	1705E	2054D	S12	E90	01	5.5	1	04	9	9	E	RAMY		
29	AFS	2003E	0309	N04	W25	12	28.0		03	9	9	E	PALE	7381	
29	ADF	2033E	0309	N13	W50	12	26.1	1	03	9	9	E	PALE	7378	
30	SSB	0124		447	W57	12	26.0			0	0	E	PALE		
30	ASR	0235E	1050	S16	E90	01	5.9		03	9	9	E	LEAR	7274	
30	ASR	0343E	0510D	S14	W90	12	23.3		03	8	9	E	LEAR		
30	AFS	0532E	0950	N14	W67	12	25.2		02	6	6	E	LEAR	7376	
30	AFS	0849E	0947	N13	W65	12	25.5		02	9	9	E	SVTO	7376	
30	AFS	0935E	0947	N03	W31	12	28.1		02	9	9	E	SVTO	7381	
30	ADF	1212E	2018	N14	W70	12	25.2	1	04	9	9	E	RAMY	7376	
30	DSD	1226E	2018	N02	W35	12	27.9		04	9	9	E	RAMY	7381	
30	AFS	1226E	2018	N04	W32	12	28.1		01	7	7	E	RAMY	7381	
30	ASR	1230E	2018	S10	E90	01	6.3		03	9	9	E	RAMY		
30	AFS	1232E	2018	N12	E51	01	3.4		01	9	9	E	RAMY		
30	ADF	1331E	2018	S09	W76	12	24.8	1	06	9	9	E	RAMY	7379	
30	ADF	1333E	2018	N04	W66	12	25.6	1	03	9	9	E	RAMY	7378	
30	AFS	1744E	2018	S12	W37	12	27.9		01	9	9	E	RAMY	7379	
30	ASR	1745E	2018	S06	W90	12	24.0		02	9	9	E	RAMY	7374	
30	AFS	2327E	0450D	N04	W38	12	28.1		03	9	9	E	LEAR	7381	
30	DSD	2329E	0840D	S07	W37	12	28.2		03	9	9	E	LEAR	7379	

ACTIVE PROMINENCES AND FILAMENTS

DECEMBER 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
31	ASR	0024E	1048	S07	W90	12	24.3		04	9	9	E	LEAR	7374	
31	DSD	0037	0140D	S12	W40	12	28.0		07	9	9	E	LEAR	7379	
31	AFS	1508E	2037	N04	W47	12	28.1		01	9	9	E	RAMY	7381	
31	DSD	1511E	2037	N04	W77	12	25.9		02	9	9	E	RAMY	7384	
31	ASR	1513E	2037	S24	E90	01	7.6		01	9	9	E	RAMY		
31	ADF	1515E	2037	N12	E36	01	3.3	1	04	9	9	E	RAMY		
31	AFS	1518E	1956D	S13	W45	12	28.2		01	9	9	E	RAMY	7379	
31	ADF	1519E	2037	S13	W47	12	28.1	1	05	9	9	E	RAMY	7379	
31	ASR	1717E	2037	S09	E84	01	7.0		03	9	9	E	RAMY	7386	
31	BSL	1728	1738	N04	W76	12	26.0		20	9	9	E	RAMY	7384	
31	ADF	1915E	1932D	S05	W49	12	28.1	1	05	9	9	E	RAMY	7383	
31	DSF	1915U	1932U	S05	W49	12	28.1	3	05	9	9	E	RAMY	7383	
31	DSD	1956E	2037	S12	W50	12	28.1		03	9	9	E	RAMY	7379	
31	ADF	2251E	0525D	S13	W48	12	28.3	1	09	9	9	E	LEAR	7379	
31	DSD	2253E	0507D	N17	W82	12	25.7		02	9	9	E	LEAR	7376	

ADF = Active Dark Filament
AFS = Arch Filament System
APR = Active Prominence
ASR = Active Surge Region
BSD = Bright Surge on Disk
BSL = Bright Surge on Limb
CAP = CAP Prominence (Tandberg-Hanssen)
CRN = Coronal Rain
DSD = Dark Surge on Disk
DSF = Disappearing Solar Filament
EPL = Eruptive Prominence on Limb
LPS = Loops
MDP = Mound Prominence
SDF/DSF = Sudden Disappearing Filament
SPY = Spray
SSB = Solar Sector Boundary

For SOLAR SECTOR BOUNDARY REPORTS, the latitude field contains the Carrington longitude of the point where a neutral line crosses the solar equator. The comments field may contain the Carrington longitude and central meridian distance of two more intersection points.

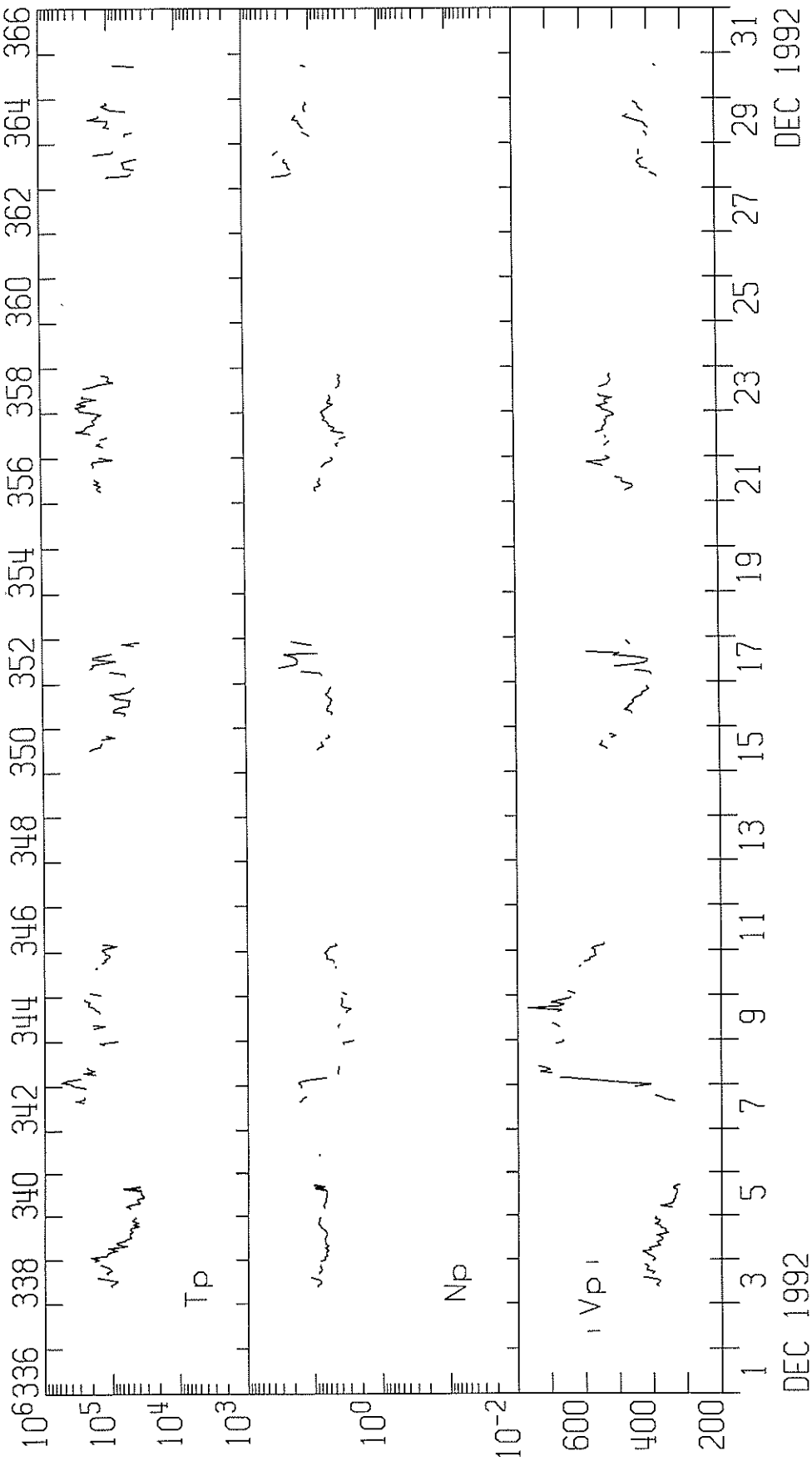
The EXTENT field for limb events is the radial extent above the limb in hundredths of solar radius. For disk events this field contains the heliographic extent in whole degrees.

The remark "Bright Emission 1/3" indicates that bright emission was observed 1/3 of time.
The remark "Normal Emission 1/3" indicates that normal emission was observed 1/3 of time.

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

ABST = Abastumani
ATHN = Athens
BUCA = Bucharest
HOLL = Holloman
KHAR = Kharkov
LEAR = Learmonth
PALE = Palehua
RAMY = Ramey
SVTO = San Vito
VORO = Voroshilov
VALA = Valasske Mezirici

IMP 8 SOLAR WIND PLASMA
DECEMBER 1992



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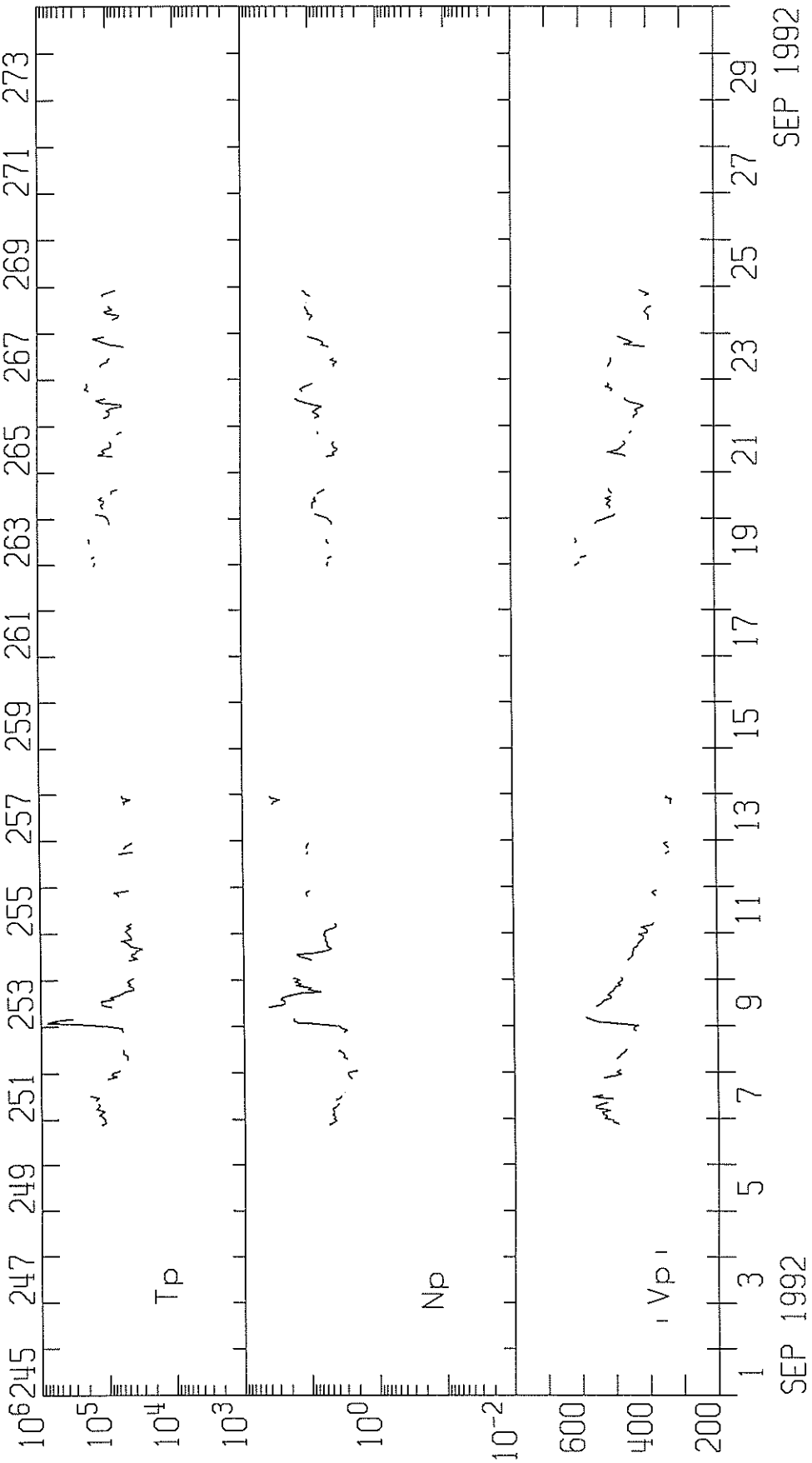
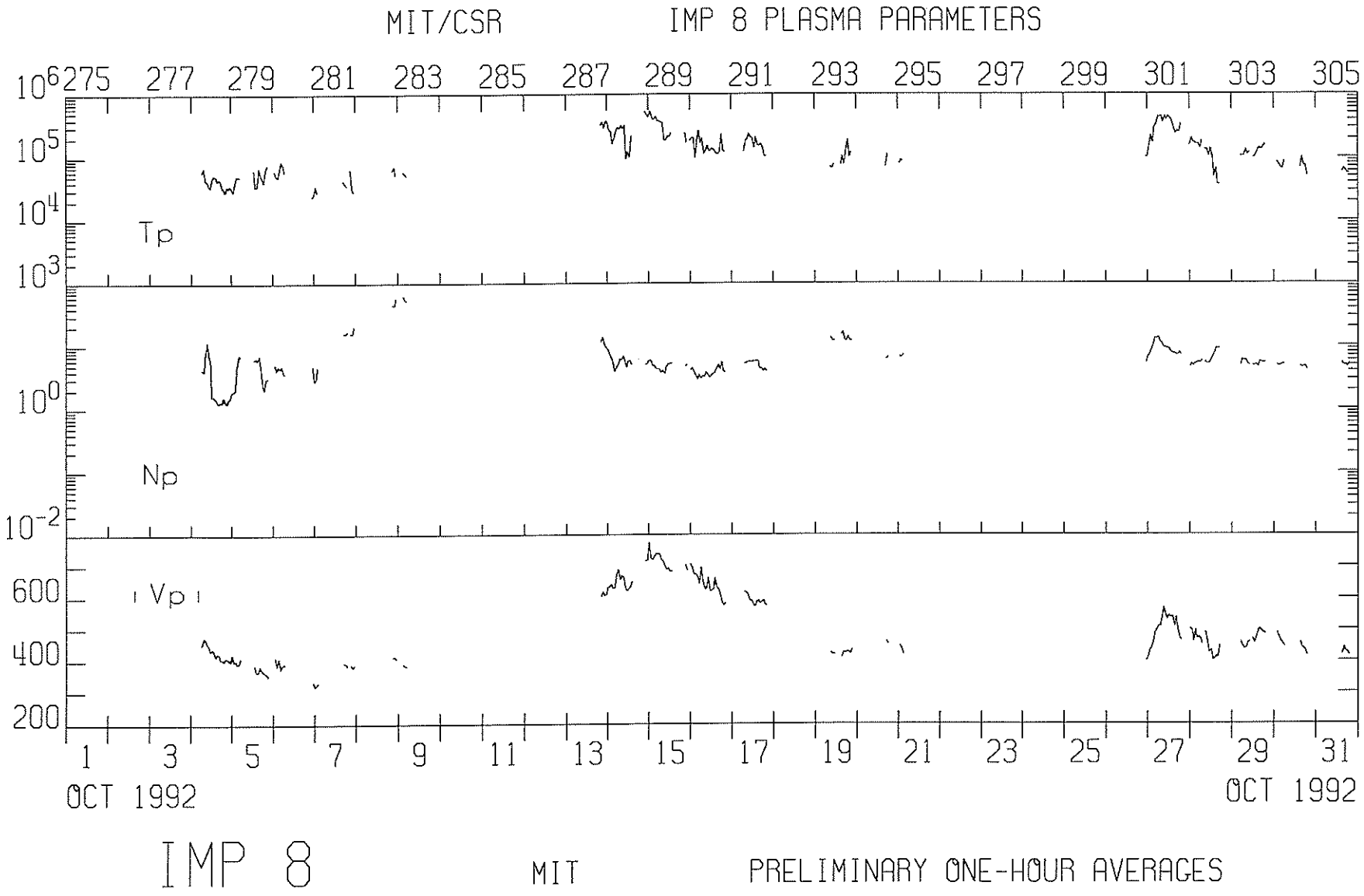
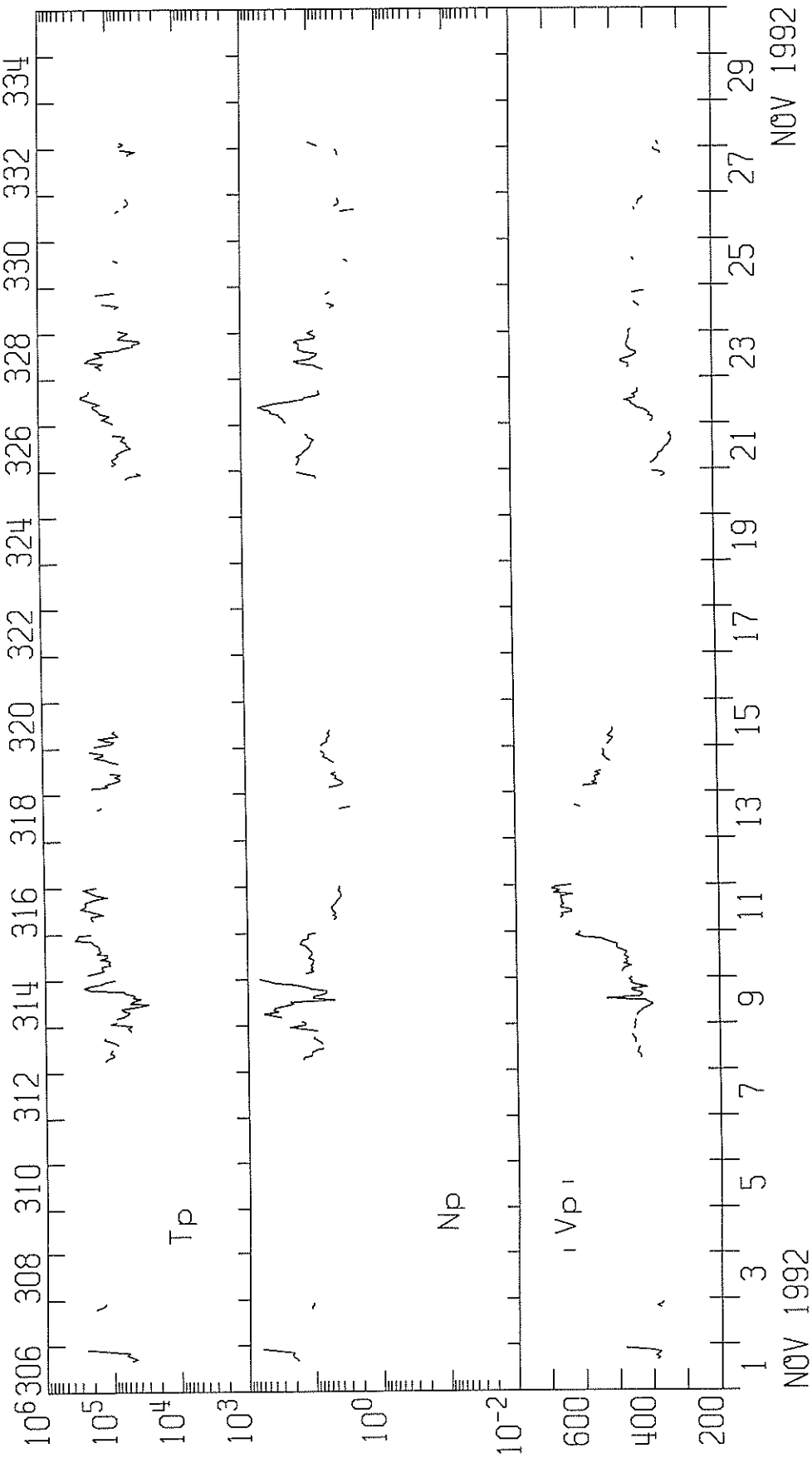


IMP 8 SOLAR WIND PLASMA
OCTOBER 1992



50
Late
Nov 92

IMP 8 SOLAR WIND PLASMA
NOVEMBER 1992



WORLD DATA CENTER A
FOR
SOLAR-TERRESTRIAL PHYSICS

The ICSU Panel on WDCs has recommended that it would be appropriate courtesy to acknowledge in publications that data were obtained from the originating station or investigator through the intermediary of the WDCs. The following statement is suggested:

"Data used in this study were provided by WDC-A for Solar-Terrestrial Physics, NOAA E/GC2, 325 Broadway, Boulder Colorado 80303, USA."