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SOLAR-GEOPHYSICAL DATA

Number 601

(Issued in Two Parts)

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Hα SOLAR FLARES

MARCH 1994

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
0001	HOLL	01	1951	1954	2004	S13	E41	7680	03	4.9	13	SF		3	E		36		F
0002	HOLL	01	2220	2226	2253	S12	E40	7680	03	4.9	33	1F		3	E		113		F
0003	LEAR	02	0359	0359	0405	S12	E36	7680	03	4.9	6	SF		3	E		11		
0004	RAMY	02	1605	1609	1616	S19	W23	7682	02	28.9	11	SF		3	E		14		F
0005	RAMY	02	1647	1648	1705	S19	W26	7682	02	28.7	18	SF		3	E		17		F
		02	1922		1930	No Flare Patrol													
		02	2000		2009	No Flare Patrol													
		02	2017		2236	No Flare Patrol													
0006	RAMY	02	2102E	2104	2108D	S19	W26	7682	02	28.9	6D	SF		3	E		13		
0007	HOLL	02	2205	2211	2214	S17	W27	7682	02	28.9	9	SF		2	E		16		
0008	LEAR	02	2306	2306	2317	S19	W26	7682	03	1.0	11	SF		3	E		46		F
0009	LEAR	03	0208	0209	0225	S20	W28	7682	02	28.9	17	SF		3	E		69		EF
0010		03	0337	0338	0342	S18	W30	7682	02	28.9	5	SN					34	0.4	DF
	MITK	03	0337	0338	0339	S17	W31	7682	02	28.8	2	SN			C	0338	33	0.4	D
	LEAR	03	0337	0338	0346	S19	W29	7682	02	28.9	9	SF		3	E		34		F
0011	ISTA	03	0709		0735	S11	E34	7684	03	5.8	26	SF							E
0012	ISTA	03	0725		0738	S13	E20	7680	03	4.8	13	SN							E
0013	ISTA	03	0750		0804	S19	W32	7682	02	28.9	14	1F							F
0014		03	08545	0902	0912	S18	W32	7682	02	28.9	18	SN					10	0.1	DE
	ISTA	03	0854		0914D	S18	W31	7682	03	1.0	20D	SN							D
	HTPR	03	0859	0902	0912	S19	W33	7682	02	28.8	13	SF			C	0902	10	0.1	E
0015	KANZ	03	0920	0920	0936	S18	W30	7682	03	1.1	16	SF		2	C				
0016	KANZ	03	1032	1044	1056	S20	W34	7682	02	28.8	24	SF		2	C				
0017		03	1136*	1220*	1248	S20	W34	7682	02	28.9	72	SF					63		F
	RAMY	03	1136	1233	1252	S19	W34	7682	02	28.9	76	SF		3	E		63		F
	KANZ	03	1212	1220	1244	S20	W34	7682	02	28.9	32	SF		2	C				
0018		03	13071	13081	1312	S20	W36	7682	02	28.8	5	SF					57		E
	RAMY	03	1307	1309	1313	S19	W36	7682	02	28.8	6	SF		3	E		57		E
	KANZ	03	1308	1308	1312	S20	W35	7682	02	28.9	4	SF		2	C				
0019		03	1416*	1420*	1430	S20	W36	7682	02	28.8	14	SF							
	KANZ	03	1416	1420	1424	S20	W35	7682	02	28.9	8	SF		2	C				
	KANZ	03	1432	1432	1436	S20	W36	7682	02	28.8	4	SF		2	C				
0020	KANZ	03	1506	1506	1506	S20	W36	7682	02	28.9	4	SF		2	C				
0021	RAMY	03	1749	1749	1757	S13	E17	7680	03	5.0	8	SF		3	E		27		F
0022	RAMY	03	1800	1801	1806	S19	W38	7682	02	28.8	6	SF		3	E		17		F
0023	RAMY	03	1809	1824	1828	S19	W37	7682	02	28.9	19	SF		3	E		21		F
		03	1950		2005	No Flare Patrol													
0024	HOLL	03	2102	2106	2123	S18	W42	7682	02	28.7	21	SF		3	E		23		H
		03	2147		2233	No Flare Patrol													
0025		03	2257*	23061	2310	S18	W42	7682	02	28.7	13	SF					14		
	HOLL	03	2257	2306	2310	S18	W41	7682	02	28.8	13	SF		3	E		14		
	LEAR	03	2307	2307	2311	S19	W42	7682	02	28.7	4	SF		3	E		14		

Hα SOLAR FLARES

MARCH 1994

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
0026	LEAR	03	2258	2258	2306	S17	W39	7682	03	1.0	8	SF			3	E		36		
0027		03	2318	23183	2332	S17	W43	7682	02	28.7	14	SF						32		H
	HOLL	03	2318	2318	2326	S17	W44	7682	02	28.6	8	SF			3	E		47		H
	LEAR	03	2318	2321	2337	S17	W42	7682	02	28.8	19	SF			3	E		17		
0028	LEAR	04	0139	0208	0221	S18	W41	7682	02	28.9	42	SF			3	E		38		F
0029	LEAR	04	0238	0238	0247	S18	W42	7682	02	28.9	9	SF			3	E		12		
0030	LEAR	04	0301	0315U	0423	S18	W42	7682	02	28.9	82	1F			3	E		116		F
0031	LEAR	04	0425	0427	0446	S18	W45	7682	02	28.7	21	SF			3	E		33		
0032	LEAR	04	0504	0504	0507	S12	E11	7680	03	5.0	3	SF			3	E		18		F
0033	LEAR	04	0609	0611	0617	S18	W47	7682	02	28.7	8	SF			3	E		14		
0034	LEAR	04	0644	0649	0712	S18	W46	7682	02	28.8	28	1F			3	E		102		F
0035	KANZ	04	0750	0802	0818	S20	W45	7682	02	28.9	28	SF			2	C				
0036	HTPR	04	0915	0919	0926	S17	W48	7682	02	28.7	11	SF				C	0919	30	0.5	T
0037	HTPR	04	1017	1018	1028	S11	E08	7680	03	5.0	11	SF				C	1018	30	0.3	E
0038	HTPR	04	1048	1049	1142	S17	W48	7682	02	28.8	54	SN				C	1049	50	0.8	KT
0039		04	1048	1127	1142	S18	W48	7682	02	28.8	54	SF						36	0.3	EFHKT
	HTPR	04	1048	1127	1142	S17	W48	7682	02	28.8	54	SF				C	1127	20	0.3	EKT
	SVTO	04	1053E	1128U	1146D	S19	W47	7682	02	28.9	53D	SF			2	E		52		FH
0040	RAMY	04	1218	1249	1259	S18	W50	7682	02	28.7	41	SF			3	E		24		F
0041	HTPR	04	1311	1312	1317	S17	W48	7682	02	28.9	6	SF				C	1312	30	0.5	T
0042		04	14143	14162	1422	S18	W50	7682	02	28.8	8	SF						23	0.6	T
	HTPR	04	1414	1416	1421	S17	W48	7682	02	28.9	7	SF				C	1416	40	0.6	T
	RAMY	04	1417	1418	1424	S19	W51	7682	02	28.7	7	SF			3	E		20		
	SVTO	04	1419E	1419U	1430D	S19	W51	7682	02	28.7	11D	SF			1	E		10		
0043	KANZ	04	1502	1506	1510	S21	W51	7682	02	28.7	8	SF			2	C				
0044	KANZ	04	1514	1522	1526	S21	W52	7682	02	28.6	12	SF			2	C				
0045	HTPR	04	1543	1545	1550	S17	W48	7682	03	1.0	7	SF				C	1545	30	0.5	T
0046	RAMY	04	1626	1627	1631	S19	W52	7682	02	28.7	5	SF			3	E		19		
0047	RAMY	04	1635	1636	1646	S19	W53	7682	02	28.6	11	SF			3	E		27		F
0048	HOLL	04	1842E	1843U	1846	S18	W52	7682	02	28.8	4D	SF			2	E		14		
0049		04	1902	19031	1906	S18	W56	7682	02	28.5	4	SF						22		
	HOLL	04	1902	1903	1906	S17	W55	7682	02	28.6	4	SF			3	E		25		
	RAMY	04	1902	1904	1906	S19	W56	7682	02	28.5	4	SF			3	E		19		
		04	1917		2006	No Flare Patrol														
0050	RAMY	04	2003	2003	2006	S19	W55	7682	02	28.6	3	SF			3	E		11		
0051	HOLL	04	2047	2053	2059	S17	W55	7682	02	28.7	12	SF			3	E		23		
		04	2110		2223	No Flare Patrol														
0052	HOLL	04	2118	2121	2132	S18	W54	7682	02	28.8	14	SF			3	E		36		
		04	2233		2237	No Flare Patrol														

Hα SOLAR FLARES

MARCH 1994

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
0053	HOLL	04	2241	2243	2245	S18	W57	7682	02	28.6	4	SF		3	E		20		
0054	MITK	05	0127	0127	0130	S15	W56	7682	02	28.8	3	SN			C	0127	41	0.7	D
0055	KANZ	05	1201	1201	1205	S17	W63	7682	02	28.7	4	SF		2	C				
0056		05	12171	12183	1228	S18	W65	7682	02	28.6	11	SF					19		
	KANZ	05	1217	1221	1229	S20	W64	7682	02	28.6	12	SF		2	C				
	SVTO	05	1218	1218	1226	S17	W66	7682	02	28.5	8	SF		3	E		19		
0057		05	13492	13512	1400	S12	W08	7680	03	5.0	11	SF					12		
	KANZ	05	1349	1353	1401	S12	W07	7680	03	5.0	12	SF		2	C				
	SVTO	05	1351	1351	1358	S13	W08	7680	03	5.0	7	SF		3	E		12		
		05	2033		2037	No Flare Patrol													
		05	2041		2229	No Flare Patrol													
0058	HOLL	05	2229	2230	2235	S11	W14	7680	03	4.9	6	SF		3	E		17		
0059	SVTO	06	0639	0640	0650	N09	W36	7686	03	3.6	11	SF		2	E		29		
0060	SVTO	06	0653	0656	0705	N17	E26	7687	03	8.3	12	SF		2	E		37		
0061		06	0815	0817	0824	N17	E26	7687	03	8.3	9	SF					14		H
	LEAR	06	0815	0817	0823	N17	E25	7687	03	8.2	8	SF		3	E		13		
	SVTO	06	0815	0817	0824	N17	E26	7687	03	8.3	9	SF		3	E		16		H
0062	KANZ	06	1023	1027	1043	N17	E25	7687	03	8.3	20	SF		2	C				
0063	SVTO	06	1233	1233	1246	N17	E23	7687	03	8.3	13	SF		3	E		18		
0064		06	15522	1553*	1613	S09	E14	7685	03	7.7	21	SF					19		F
	SVTO	06	1552	1553	1604	S09	E14	7685	03	7.7	12	SF		3	E		11		
	RAMY	06	1553	1605	1622	S09	E15	7685	03	7.8	29	SF		4	E		26		F
	HOLL	06	1554	1606	1613	S09	E14	7685	03	7.7	19	SF		3	E		21		
0065		06	1603	1603	1614	S12	W23	7680	03	4.9	11	SF					28		F
	SVTO	06	1603	1603	1609	S11	W23	7680	03	4.9	6	SF		3	E		16		
	HOLL	06	1603	1603	1615	S12	W23	7680	03	4.9	12	SF		3	E		32		
	RAMY	06	1603	1603	1618	S12	W23	7680	03	4.9	15	SF		4	E		36		F
0066	RAMY	06	1628	1629	1638	N17	E21	7687	03	8.3	10	SF		4	E		20		
0067	RAMY	06	1711	1714	1722	S09	E13	7685	03	7.7	11	SF		3	E		20		F
0068	RAMY	06	1752	1752	1801	N18	E21	7687	03	8.3	9	SF		4	E		11		
0069		06	18059	18172	1832	S09	E14	7685	03	7.8	27	SF					21		F
	RAMY	06	1805	1817	1834	S09	E13	7685	03	7.7	29	SF		4	E		18		F
	HOLL	06	1814	1819	1829	S09	E14	7685	03	7.8	15	SF		3	E		24		
0070	HOLL	06	1937	1940	1948	S09	E12	7685	03	7.7	11	SF		3	E		14		
		07	1813		1910	No Flare Patrol													
0071	RAMY	07	1938	1938	1944	S11	W39	7680	03	4.9	6	SF		3	E		11		F
		07	2123		2142	No Flare Patrol													
		07	2216		2223	No Flare Patrol													
		07	2235		2239	No Flare Patrol													
		08	0039		0052	No Flare Patrol													
		08	1804		1825	No Flare Patrol													
		08	1846		1915	No Flare Patrol													
		08	2010		2040	No Flare Patrol													
		08	2130		2139	No Flare Patrol													
		08	2211		2232	No Flare Patrol													
0072	HTPR	09	0705E		0724	N07	W76	7686	03	3.6	19D	SF			C				

MARCH 1994

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
0073		09	08564	08573	0906	N07	W78	7686	03	3.5	10	SF					19		
	SVTO	09	0856	0857	0906	N08	W80	7686	03	3.4	10	SF		3	E		19		
	KANZ	09	0900	0900	0907	N06	W77	7686	03	3.6	7	SF		2	C				
0074	KANZ	09	1020	1024	1028	N06	W76	7686	03	3.7	8	SF		2	C				
		09	2135		2152	No Flare Patrol													
		09	2159		2214	No Flare Patrol													
		11	0024		0110	No Flare Patrol													
		11	2207		2226	No Flare Patrol													
		11	2251		2322	No Flare Patrol													
		11	2334		2350	No Flare Patrol													
		11	2352		2400	No Flare Patrol													
		12	0000		0059	No Flare Patrol													
0075	KANZ	12	0745E	0745U	0752	N16	E53	7688	03	16.3	7D	SF		2	C				
0076		12	08341	08356	0849	N18	E49	7688	03	16.1	15	1F					75	1.3	E
	HTPR	12	0834	0841	0849	N20	E50	7688	03	16.2	15	SF			C	0841	10	0.2	E
	CATA	12	0835	0835	0854D	N16	E48	7688	03	16.0	19D	1F		1	C	0835	140	2.4	
0077	KANZ	12	1000	1004	1016	S11	W63	7685	03	7.7	16	SF		2	C				
0078		12	11152	1117	1124	N18	E50	7688	03	16.3	9	SF					10	0.2	
	HTPR	12	1115	1117	1124	N20	E50	7688	03	16.3	9	SF			C	1117	10	0.2	
	KANZ	12	1117	1117	1125	N16	E51	7688	03	16.3	8	SF		2	C				
0079	RAMY	12	1256	1300	1310	N17	E53	7688	03	16.6	14	SF		3	E		28		
0080		13	1107	1112	1124	S14	W62	7690	03	8.8	17	SF					36		F
	SVTO	13	1107	1112	1124	S14	W62	7690	03	8.8	17	SF		3	E		33		
	RAMY	13	1108E	1108U	1124	S14	W62	7690	03	8.8	16D	SF		3	E		39		F
0081	SVTO	13	1322	1322	1335	N16	E39	7688	03	16.5	13	SF		2	E		17		
		13	2129		2133	No Flare Patrol													
		13	2148		2157	No Flare Patrol													
		13	2214		2218	No Flare Patrol													
		13	2244		2253	No Flare Patrol													
		14	1833		2051	No Flare Patrol													
		14	2110		2226	No Flare Patrol													
		14	2252		2253	No Flare Patrol													
0082		15	1451	14511	1459	N16	E08	7688	03	16.2	8	SF					15		F
	KANZ	15	1451	1451	1459	N17	E08	7688	03	16.2	8	SF		2	C				
	SVTO	15	1451	1452	1459	N16	E07	7688	03	16.1	8	SF		2	E		15		F
0083		16	07222	07222	0729	N16	E01	7688	03	16.4	7	SF					21		
	SVTO	16	0722	0722	0729	N16	E01	7688	03	16.4	7	SF		3	E		21		
	KANZ	16	0724	0724	0728D	N15	E01	7688	03	16.4	4D	SF		2	C				
		18	2350		2400	No Flare Patrol													
		19	0000		0009	No Flare Patrol													
		19	2058		2137	No Flare Patrol													
		19	2152		2237	No Flare Patrol													
		19	2339		2346	No Flare Patrol													
		20	0013		0200	No Flare Patrol													
		20	0216		0239	No Flare Patrol													
		20	0445		0459	No Flare Patrol													
		20	1625		1714	No Flare Patrol													
		20	1811		2124	No Flare Patrol													
		21	0012		0037	No Flare Patrol													
0084		21	0713	0711U	0728	N08	W32	7693	03	18.9	15	SN							E
	KANZ	21	0711E	0711U	0731	N08	W33	7693	03	18.8	20D	SF		2	C				
	ISTA	21	0713		0724	N08	W32	7693	03	18.9	11	SN							E
0085	ISTA	21	0743E		0753	N08	W33	7693	03	18.8	10D	SN							E

Hα SOLAR FLARES

MARCH 1994

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
0086		21	10542	1114	1123	N07	W36	7693	03	18.7	29	SF						25		F
	KANZ	21	1054	1114	1120	N07	W36	7693	03	18.7	26	SF			2	C				
	SVTO	21	1056	1114	1126	N07	W36	7693	03	18.7	30	SF			3	E		25		F
0087	SVTO	21	1130	1130	1134	N07	W36	7693	03	18.8	4	SF			3	E		18		F
0088	SVTO	21	1151	1153	1155	N19	W66	7688	03	16.4	4	SF			2	E		76		F
0089	SVTO	21	1551	1553	1555	N19	W66	7688	03	16.6	4	SF			2	E		76		F
0090		21	16153	16183	1624	N20	W67	7688	03	16.5	9	SF						22		F
	HOLL	21	1615	1621	1628	N21	W68	7688	03	16.5	13	SF			3	E		17		
	SVTO	21	1618	1618	1621	N19	W66	7688	03	16.6	3	SF			2	E		27		F
0091	HOLL	21	1752	1753	1758	N10	W39	7693	03	18.8	6	SF			3	E		12		
		21	1805		1820	No Flare Patrol														
		21	1844		2355	No Flare Patrol														
0092		21	19103	19141	1926	N08	W40	7693	03	18.8	16	SF						33		
	RAMY	21	1910	1914	1931	N08	W40	7693	03	18.8	21	SF			4	E		35		
	HOLL	21	1913	1915	1920	N09	W40	7693	03	18.8	7	SF			3	E		31		
0093	HOLL	21	2149	2152	2159	N09	W41	7693	03	18.8	10	SF			3	E		22		
		22	0024		0354	No Flare Patrol														
		22	0601		0612	No Flare Patrol														
		22	2002		2051	No Flare Patrol														
		22	2102		2125	No Flare Patrol														
		22	2130		2150	No Flare Patrol														
		22	2206		2238	No Flare Patrol														
		23	0025		0338	No Flare Patrol														
		23	0408		0432	No Flare Patrol														
0094	SVTO	23	1119	1126	1136	N18	W24	7692	03	21.6	17	SF			3	E		14		F
0095		23	11541	11561	1208	N17	W24	7692	03	21.7	14	SF						12		F
	RAMY	23	1154	1157	1209	N18	W23	7692	03	21.7	15	SF			4	E		10		F
	SVTO	23	1155	1156	1206	N16	W25	7692	03	21.6	11	SF			3	E		13		F
0096		23	12161	1219	1225	N18	W24	7692	03	21.7	9	SF						12		F
	RAMY	23	1216	1219	1227	N18	W23	7692	03	21.7	11	SF			4	E		14		F
	SVTO	23	1217	1219	1223	N18	W24	7692	03	21.7	6	SF			3	E		11		F
0097	HTPR	23	1304	1308	1318	N06	E67	7694	03	28.5	14	SF				C	1308	220		
0098	RAMY	23	1305	1305	1311	N08	W64	7693	03	18.7	6	SF			4	E		10		
		24	0049		0111	No Flare Patrol														
		24	0546		0629	No Flare Patrol														
0099	HTPR	24	0630E	0656	0759	N08	W86	7693	03	17.8	89D	SN				C	0656	80		DT
0100	HTPR	24	0630E	0650	0733	S16	E76	7695	03	30.0	63D	SF				C	0650	60		D
0101	HTPR	24	1624		1708D	N12	W90	7693	03	17.9	44D	N				C	1708	190		ET
		25	0229		0353	No Flare Patrol														
0102	HTPR	25	0627E	0637	0652	N08	W90	7693	03	18.5	25D	F				C	0637	80		
		25	2243		2247	No Flare Patrol														
		25	2304		2400	No Flare Patrol														
		26	0000		0343	No Flare Patrol														
		26	0419		0519	No Flare Patrol														
		26	0532		0559	No Flare Patrol														
0103		28	0936	09371	0944	S18	E13	7695	03	29.4	8	SF						44		F
	LEAR	28	0936	0937	0943	S17	E13	7695	03	29.4	7	SF			3	E		42		F
	SVTO	28	0936	0938	0944	S19	E13	7695	03	29.4	8	SF			3	E		45		F

Hα SOLAR FLARES

MARCH 1994

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
		28	1037		1052	No Flare Patrol													
		28	1104		1114	No Flare Patrol													
		28	1125		1130	No Flare Patrol													
0104		28	1725E	1732	1748	S16	E24	7698	03	30.5	23D	SF					31		FH
	HOLL	28	1725E	1732	1740	S15	E25	7698	03	30.6	15D	SF		3	E		31		H
	RAMY	28	1738E	1741U	1755	S16	E24	7698	03	30.5	17D	SF		3	E		31		F
		28	1734		1838	No Flare Patrol													
0105	RAMY	28	1818	1825	1907	N09	E23	7697	03	30.5	49	SF		3	E		40		F
		28	1917		1929	No Flare Patrol													
		28	2022		2030	No Flare Patrol													
		28	2236		2256	No Flare Patrol													
		29	0000		0015	No Flare Patrol													
0106		29	0627	06263	0636	N10	E18	7697	03	30.6	9	SN					71	1.2	
	CATA	29	0626E	0626	0640	N11	E18	7697	03	30.6	14D	SN		1	C	0626	112	1.2	
	SVTO	29	0627	0629	0633	N10	E19	7697	03	30.7	6	SF		3	E		30		
0107	LEAR	29	0909	0911	0913	S18	W40	7696	03	26.3	4	SF		3	E		20		F
0108		29	15367	15482	1636	N09	E13	7697	03	30.6	60	SF					75	1.3	EFU
	HTPR	29	1536	1550	1627	N11	E14	7697	03	30.7	51	SN			C	1550	120	1.3	E
	SVTO	29	1540	1544U	1621D	N07	E12	7697	03	30.5	41D	SF		3	E		74		F
	RAMY	29	1543	1548	1644	N10	E13	7697	03	30.6	61	SF		3	E		32		UF
		29	1645		2311	No Flare Patrol													
0109		30	08014	08072	0848	N10	E04	7697	03	30.6	47	1N					102		FU
	KANZ	30	0801	0809	0849	N10	E04	7697	03	30.6	48	1N		2	C				U
	LEAR	30	0805	0807	0846	N10	E04	7697	03	30.6	41	1F		3	E		102		F
0110		30	0830E	0835	0910	N10	E04	7697	03	30.6	40D	SB					100	1.0	E
	CATA	30	0830E	0835	0836D	N10	E03	7697	03	30.6	6D	SB		1	C	0835	168	1.8	
	URUM	30	0846E	0846U	0910	N10	E04	7697	03	30.7	24D	SN			C		32	0.3	E
		30	1713		2312	No Flare Patrol													
0111	RAMY	30	1737	1749	1758	S17	W59	7696	03	26.2	21	SF		3	E		16		
		31	1111		1112	No Flare Patrol													
		31	1535		2400	No Flare Patrol													

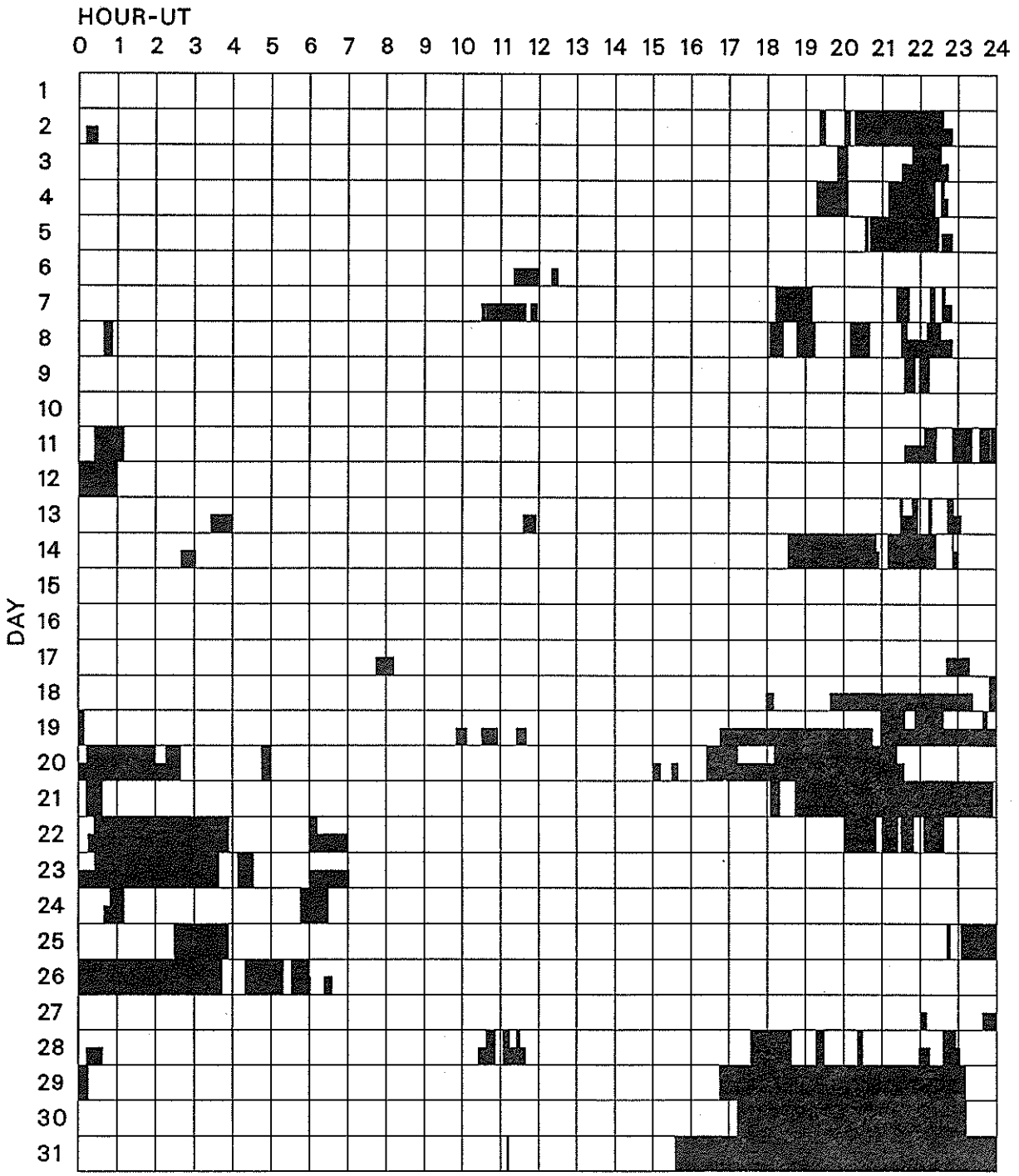
"Remarks"

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

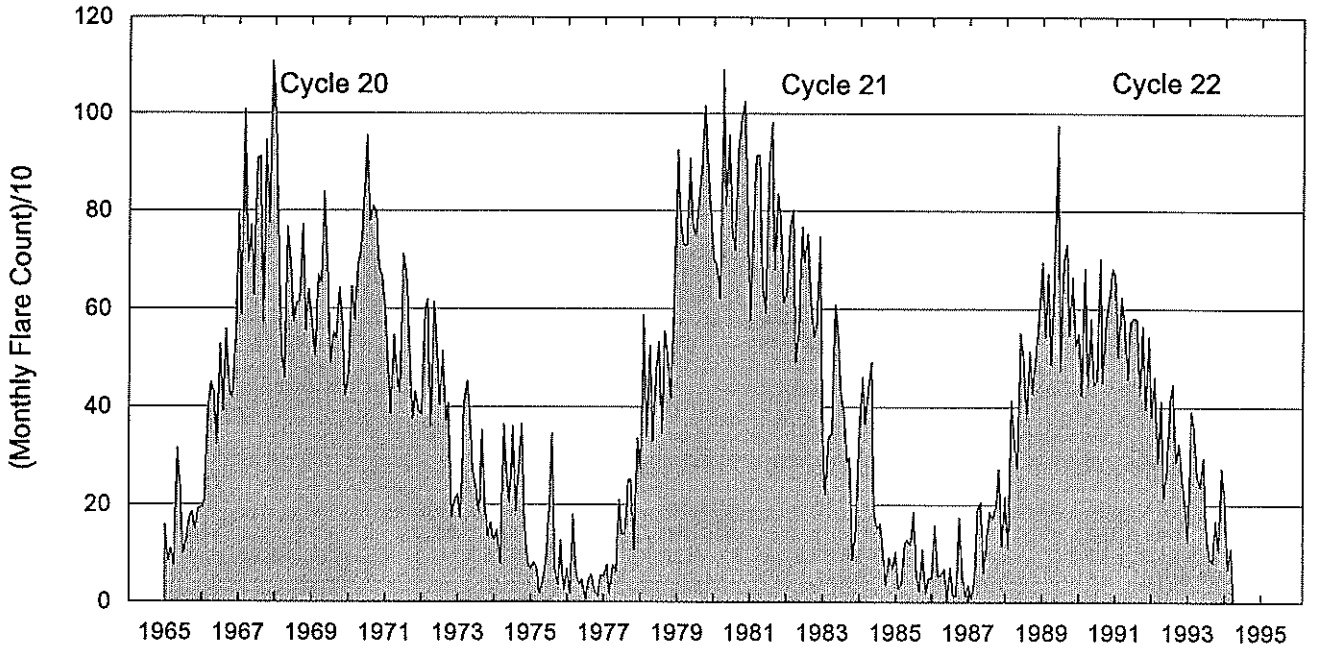
MARCH 1994



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.

Athens	Istanbul	Mitaka	Tashkent
Catania	Kanzelhoehe	Ramey	Urumqi
Haute Province	Learmonth	San Vito	Yunnan
Holloman			

Monthly Counts of Grouped Solar Flares
Jan 1965 - Mar 1994



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
1993	123	392	357	262	237	296	154	92	82	167	104	275	2541
1994	217	67	111										395

Monthly totals for the last 6 months may change significantly, as more stations submit their reports. The term 'grouped' means observations of the same event by different sites were lumped together and counted as one.
NOTE: Counts for 1993 were updated to reflect the addition of Catania data.

SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 1994

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	1337.0E		453.0D		10.0		
	280	CUBA	44	NS	1337.0E		460.0D		15.0		
	2800	HIRA	21	GRF	2214.5	2224.6	37.0	11.0	4.0		O
	2800	PENT	22	GRF	2215.8	2222.5	63.0	7.4	3.0		
	2800	PENT	3	S	2223.3	2226.3	6.1	22.6	6.0		
	500	HIRA	41	F	2224.3	2224.6	2.5	3.0			O
	2800	HIRA	3	S	2225.2	2226.1	2.5	16.0	8.0		O
03	2800	HIRA	45	C	0208.3	0208.6	1.0	7.0	4.0		O
	410	PALE	8	S	2106.0	2106.0	U	190.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	2106.0	2106.0	U	170.0			QL=2 ST=2 TYP=3
	500	HIRA	42	SER	2317.8	2318.8	2.0	48.0			O
	2800	HIRA	8	S	2318.0	2318.0	0.3	8.0			O
04	235	CUBA	44	NS	1420.0E		450.0D		8.0		
	280	CUBA	44	NS	1420.0E		450.0D		13.0		
	245	PALE	8	S	0339.0	0339.0	U	120.0			QL=2 ST=2 TYP=3
	950	GORK	46	C	0643.4	0644.2	4.7	14.0			
	2950	GORK	46	C	0644.5	0646.5	7.3	16.0			
	9100	GORK	1	S	0646.4	0646.6	1.6	7.7			
	3013	IZMI	42	SER	0741.5	0755.0	25.0	4.0			
	2950	GORK	2	S/F	1050.3	1051.9	3.7	11.0			
	3013	IZMI	5	S	1050.5	1051.0	5.0	9.0	5.0		
	9100	GORK	1	S	1051.0	1051.5	6.0	6.0			
	2800	PENT	4	S/F	1902.3	1903.3	1.9	9.6	3.0		
05	235	CUBA	44	NS	1940.0E		110.0D		15.0		
	280	CUBA	44	NS	1940.0E		110.0D		19.0		
	260	ONDR	45	C	1241.5	1242.5	3.0	160.0			
	536	ONDR	8	S	1242.0	1242.0	0.5	50.0			
	410	SGMR	8	S	1242.0	1242.0	2.0	200.0			QL=4 ST=3 TYP=3
	410	SGMR	8	S	1436.0	1436.0	2.0	170.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2336.0	2337.0	8.0	50.0			QL=2 ST=3 TYP=3
06	235	CUBA	44	NS	1535.0E		325.0D		11.0		
	280	CUBA	44	NS	1610.0E		321.0D		14.0		
	500	HIRA	46	C	0537.0	0537.4	1.0	7.0	5.0		WL
	204	IZMI	8	S	0819.2	0819.3	0.1	12.0	10.0		
	260	ONDR	42	SER	0900.0E	0935.0	240.0D	40.0			UNCERTN
07	235	CUBA	44	NS	1430.0E		420.0D		9.0		
	280	CUBA	44	NS	1430.0E		420.0D		15.0		
	204	IZMI	41	F	1041.0	1041.5	1.5	33.0			
08	204	IZMI	43	NS	0800.0		240.0D		5.0		
	235	CUBA	44	NS	1507.0E		353.0D		10.0		
	280	CUBA	44	NS	1507.0E		353.0D		15.0		
	204	IZMI	41	F	0913.0	0913.8	1.0	33.0			
09	235	CUBA	44	NS	1330.0E		365.0D		10.0		
	280	CUBA	44	NS	1330.0E		415.0D		16.0		
	33	UPIC	2	S/F	1337.4	1337.6	0.5				
10	235	CUBA	44	NS	1430.0E		420.0D		10.0		
	280	CUBA	44	NS	1430.0E		420.0D		15.0		
11	410	SVTO	8	S	0806.0	0806.0	1.0	100.0			QL=4 ST=2 TYP=3
12	245	LEAR	4	S/F	0010.0	0012.0	7.0	60.0			QL=4 ST=2 TYP=3
	500	HIRA	46	C	0012.3	0012.5	1.0	45.0	7.0		O
	950	GORK	1	S	0738.4	0740.0	4.3	1.5			
	2800	HIRA	1	S	0738.5	0740.6	3.0	10.0	4.0		O
	2950	GORK	1	S	0739.0	0740.8	3.0	6.4			
	3013	IZMI	5	S	0739.8	0740.8	4.0	8.0	4.0		
	9100	GORK	1	S	0740.4	0740.9	1.9	6.9			
	245	SGMR	8	S	1541.0	1541.0	1.0	390.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1541.0	1541.0	1.0	51.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1541.0	1541.0	1.0	390.0			QL=4 ST=2 TYP=3

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

MARCH 1994

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	127	TORN	8	S	1309.1	1309.7	1.0	20.0	10.0		
14	204	IZMI	43	NS	0700.0		300.0D		10.0		
	245	SVTO	43	NS	1347.0	1355.0	68.0	110.0			QL=2 ST=2 TYP=1
	280	CUBA	44	NS	1420.0E		433.0D		15.0		
	235	CUBA	44	NS	1430.0E		470.0D		9.0		
	260	ONDR	42	SER	0900.0E	1155.5	240.0D	50.0			UNCERTN
	204	IZMI	41	F	1127.5	1127.7	0.5	119.0			
	245	SGMR	8	S	1314.0	1314.0	U	75.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1314.0	1314.0	U	75.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2153.0	2153.0	2.0	120.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2335.0	2337.0	3.0	64.0			QL=2 ST=2 TYP=3
15	235	CUBA	44	NS	1341.0E		469.0D		10.0		
	280	CUBA	44	NS	1341.0E		469.0D		16.0		
	245	LEAR	4	S/F	0203.0	0203.0	1317.0	130.0			QL=2 ST=1 TYP=3
	500	HIRA	8	S	0353.1	0353.1	0.5	8.0			WR
	260	ONDR	42	SER	0900.0E	1220.0	240.0D	50.0			UNCERTN
	410	SVTO	4	S/F	1448.0	1449.0	8.0	40.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1449.0	1450.0	2.0	55.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1449.0	1450.0	2.0	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1858.0	1900.0	2.0	62.0			QL=4 ST=2 TYP=3
16	204	IZMI	43	NS	0916.0		120.0D		10.0		
	127	TORN	43	NS	0924.0		276.0		1.0		V=1
	260	ONDR	43	NS	1015.0	1200.0	165.0D	160.0			
	245	SVTO	44	NS	1306.0E	1359.0	63.0D	110.0			QL=2 ST=2 TYP=1
	245	SGMR	43	NS	1307.0	1329.0	45.0	150.0			QL=4 ST=3 TYP=1
	500	HIRA	46	C	0721.6	0721.8	1.0	32.0	15.0		O
	260	ONDR	42	SER	0900.0E	1002.0	75.0D	50.0			
	127	TORN	45	C	0936.0	0938.0	2.6	50.0	10.0		
	245	SVTO	8	S	0956.0	0957.0	1.0	83.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1146.5	1147.0	4.5	67.0			
	245	SGMR	8	S	1147.0	1147.0	1.0	92.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1328.0	1329.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1719.0	1719.0	U	54.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1838.0	1839.0	1.0	68.0			QL=4 ST=2 TYP=3
17	235	CUBA	44	NS	1715.0E		225.0D		9.0		
	280	CUBA	44	NS	1715.0E		225.0D		17.0		
	410	LEAR	4	S/F	0457.0	0503.0	8.0	50.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0458.0	0500.0	5.0	66.0			QL=4 ST=3 TYP=3
	500	HIRA	41	F	0500.0	0509.6	11.0	45.0			O
	245	LEAR	8	S	0509.0	0509.0	1.0	81.0			QL=4 ST=2 TYP=3
	260	ONDR	42	SER	0900.0E	1042.5	240.0D	50.0			
18	245	SGMR	8	S	1413.0	1413.0	1.0	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1414.0	1414.0	U	50.0			QL=4 ST=2 TYP=3
20	280	CUBA	44	NS	1450.0E		263.0D		19.0		
	235	CUBA	44	NS	1700.0E		145.0D		12.0		
21	280	CUBA	44	NS	1510.0E		280.0D		17.0		
	235	CUBA	44	NS	1510.0E		380.0D		11.0		
22	280	CUBA	44	NS	1600.0E		110.0D		16.0		
	235	CUBA	44	NS	1600.0E		170.0D		10.0		
24	235	CUBA	44	NS	1400.0E		305.0D		10.0		
	280	CUBA	44	NS	1400.0E		305.0D		18.0		
	410	SVTO	8	S	1209.0	1209.0	1.0	190.0			QL=4 ST=2 TYP=3
25	235	CUBA	44	NS	1410.0E		139.0D		11.0		
	280	CUBA	44	NS	1410.0E		138.0D		17.0		
	33	UPIC	45	C	1230.5	1230.7	0.8				
28	235	CUBA	44	NS	1400.0E		140.0D		9.0		
	280	CUBA	44	NS	1400.0E		430.0D		15.0		
	2950	GORK	1	S	0935.5	0936.6	5.5	2.2			

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

MARCH 1994

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
28	950	GORK	1	S	0935.6	0936.9					
	33	UPIC	45	C	1341.3	1342.4	1.5				
29	235	CUBA	44	NS	1505.0E		455.0D		9.0		
	280	CUBA	44	NS	1710.0E		270.0D		14.0		
30	235	CUBA	44	NS	1320.0E		415.0D		9.0		
	280	CUBA	44	NS	1734.0E		236.0D		15.0		
	2840	PEKG	45	C	0133.0	0136.5	5.0	105.1			
	3013	IZMI	5	S	0805.5	0807.0	3.0	7.0			
	2950	GORK	1	S	0806.0	0806.5	1.3	3.1			
	950	GORK	1	S	0806.0	0806.6	1.3U	1.5			
31	235	CUBA	44	NS	1417.0E		433.0D		9.0		
	280	CUBA	44	NS	1417.0E		433.0D		14.0		

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:

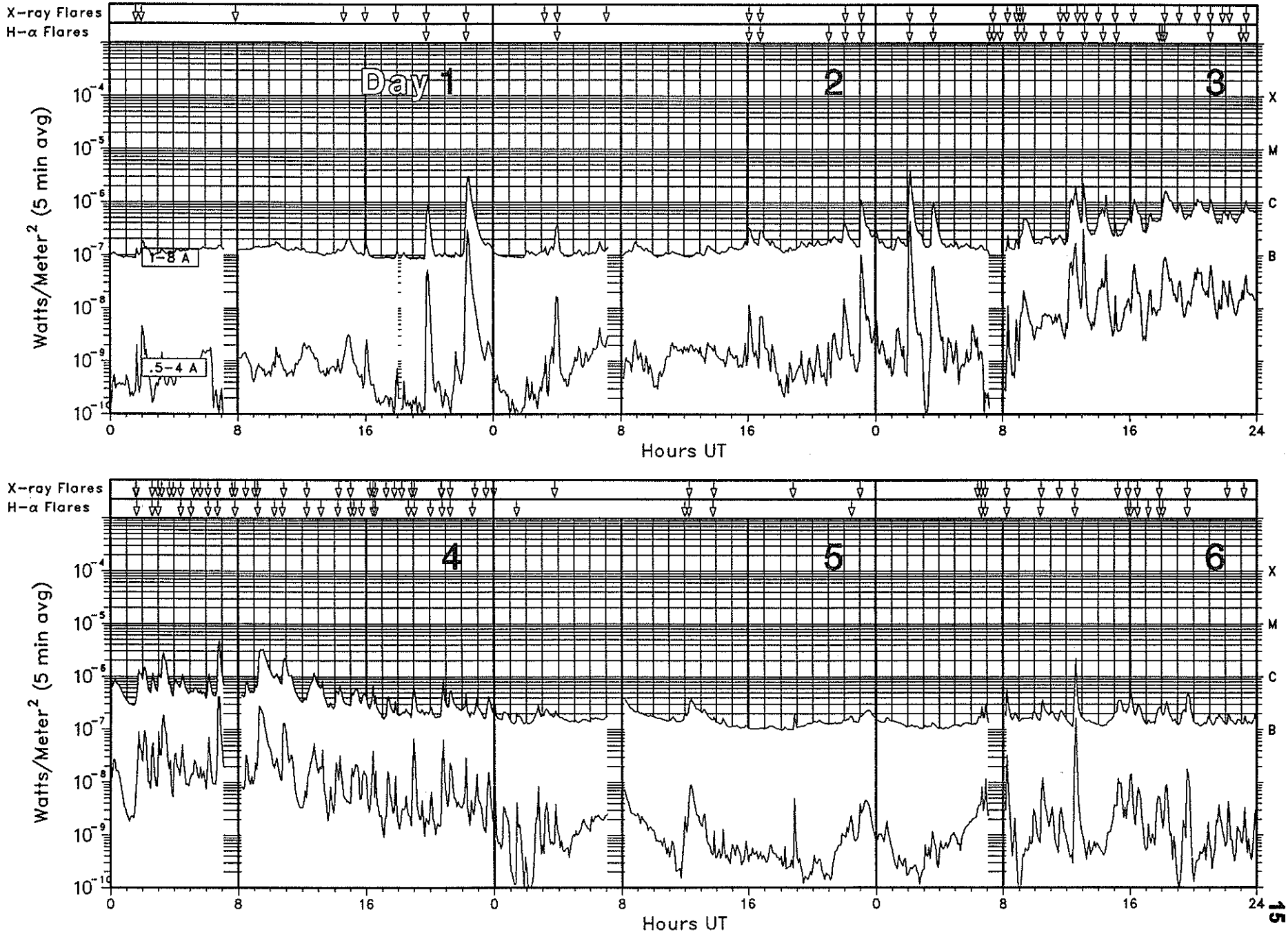
1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 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.

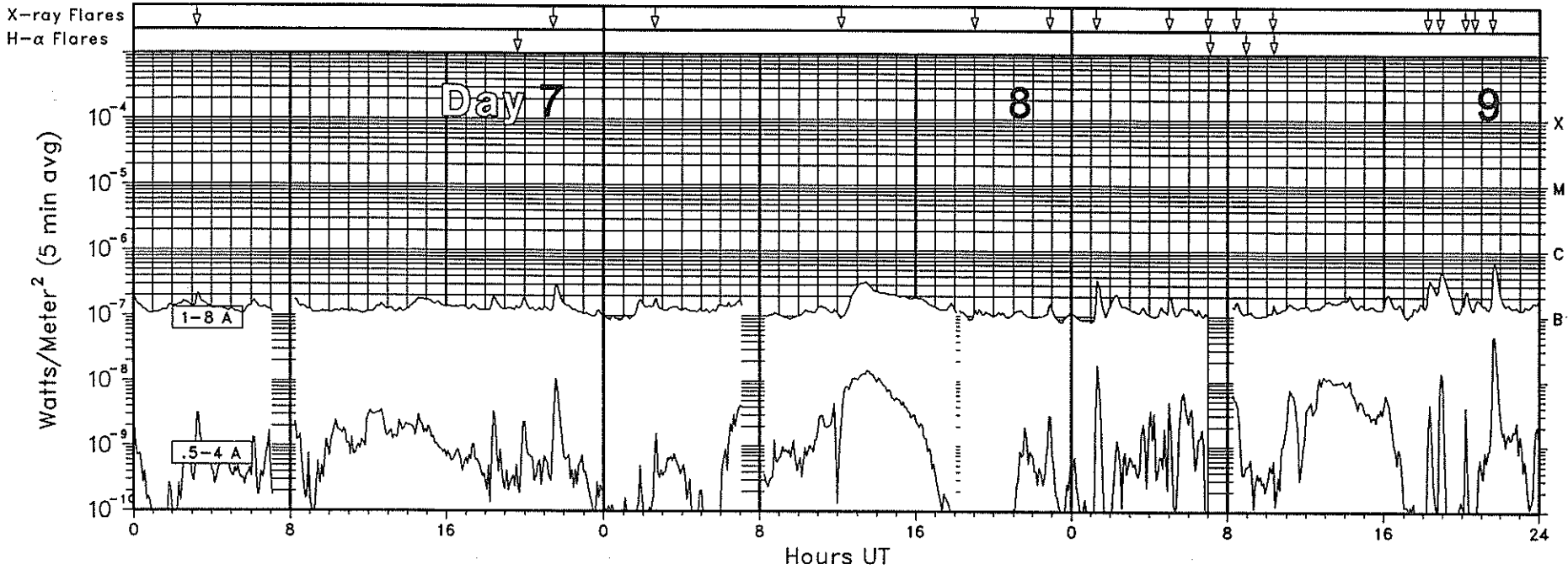
GOES-7 X-RAY DETECTOR

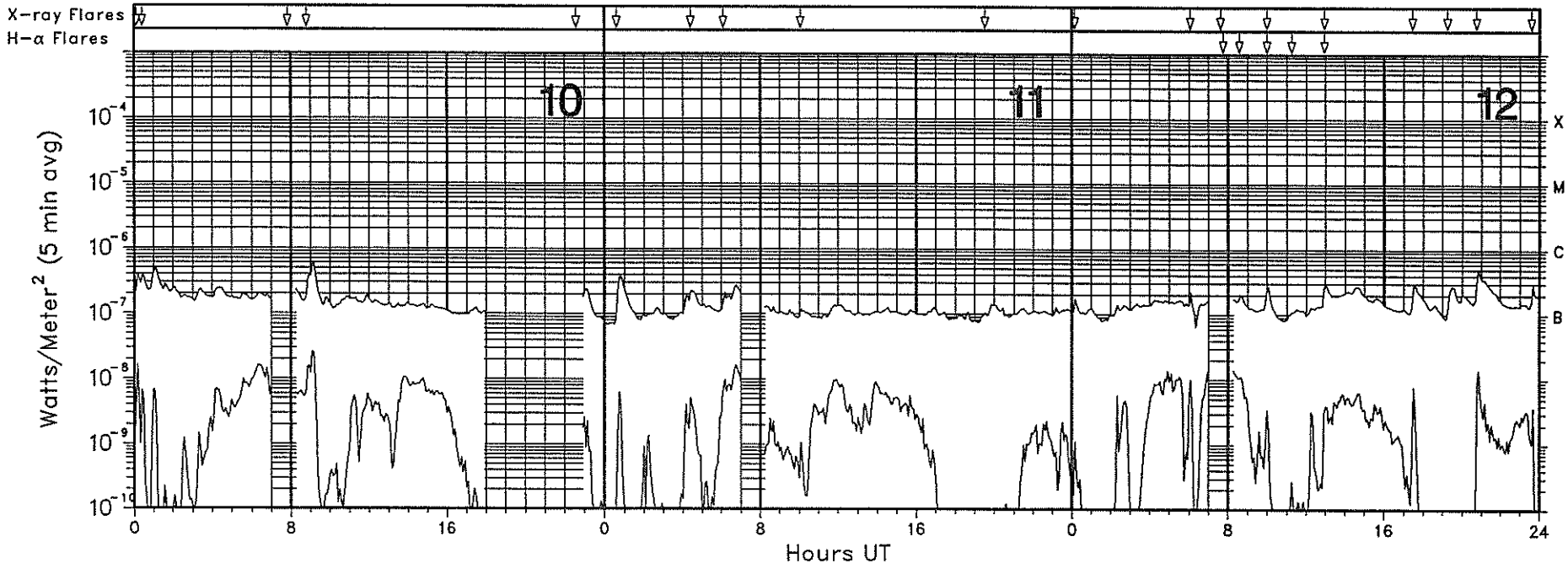
March 1994



GOES-7 X-RAY DETECTOR

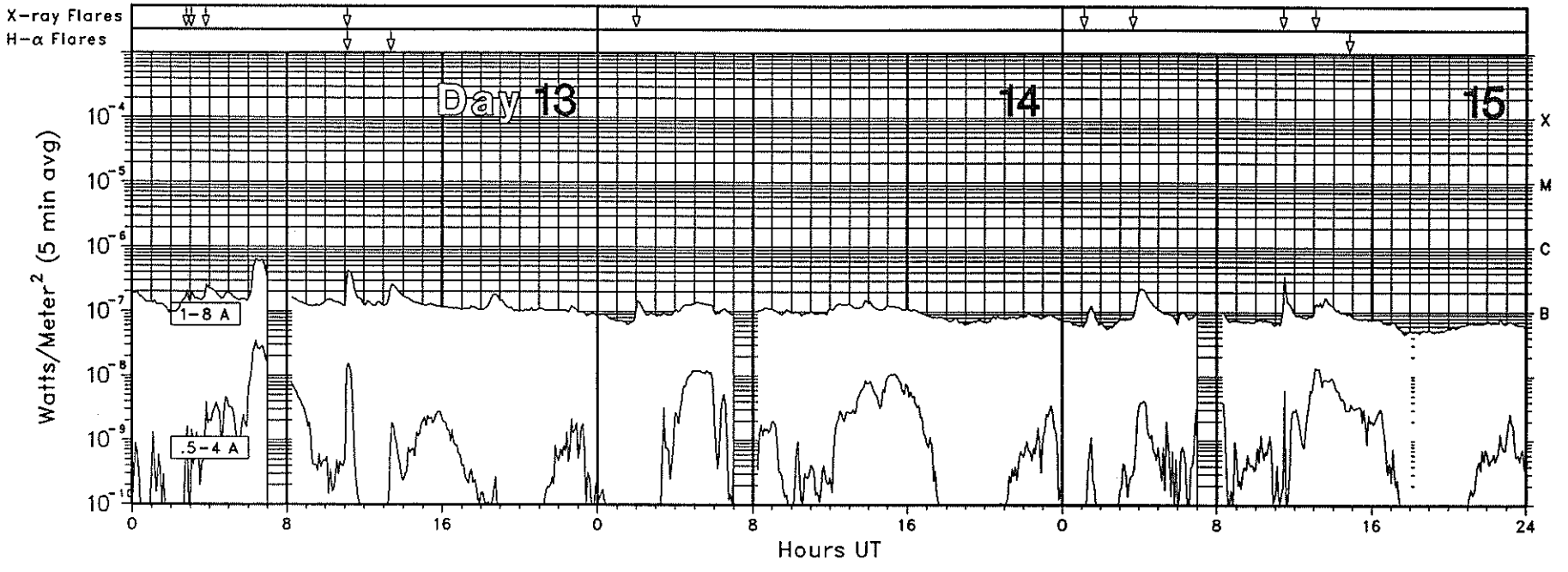
March 1994

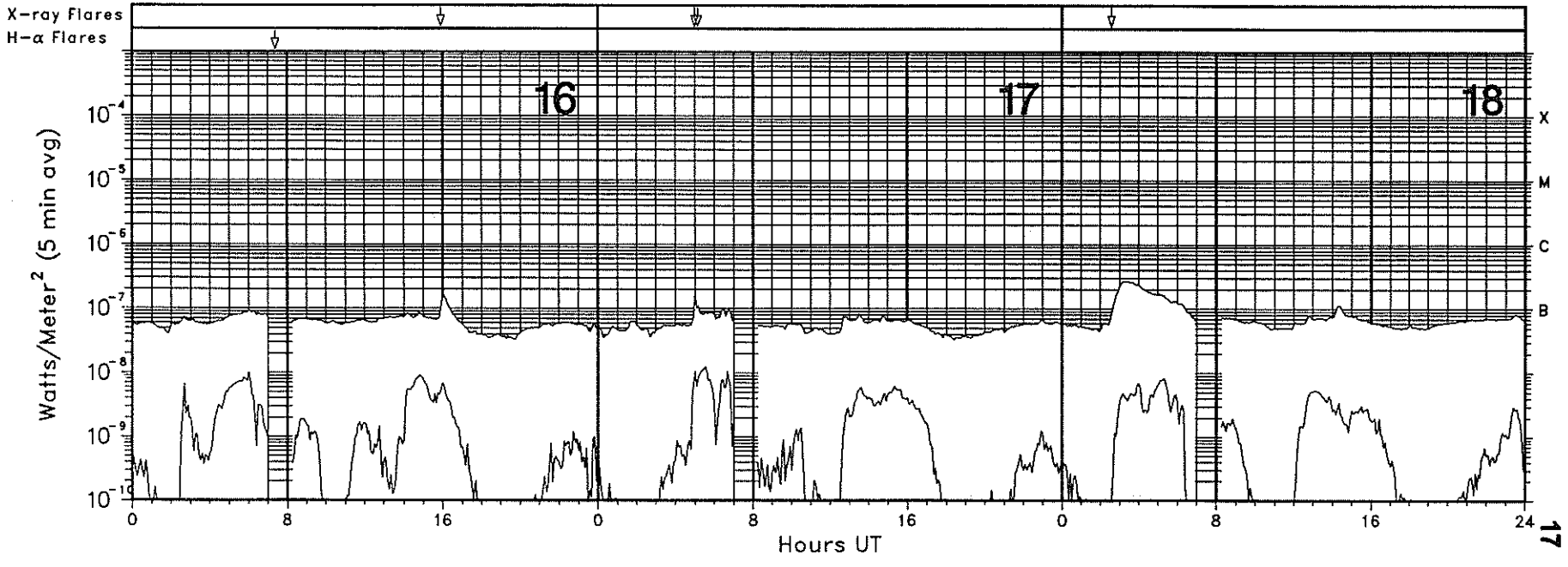




GOES-7 X-RAY DETECTOR

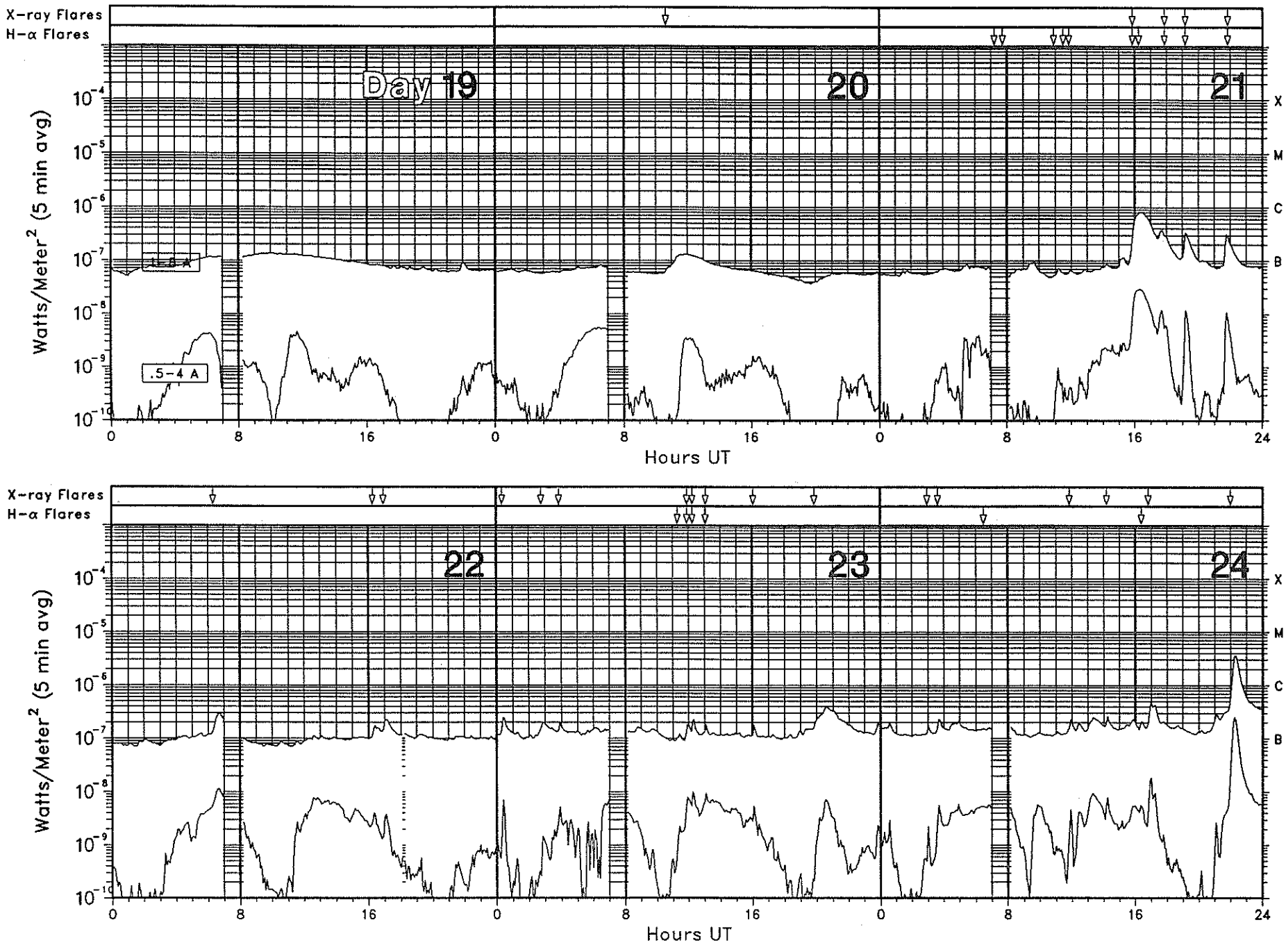
March 1994





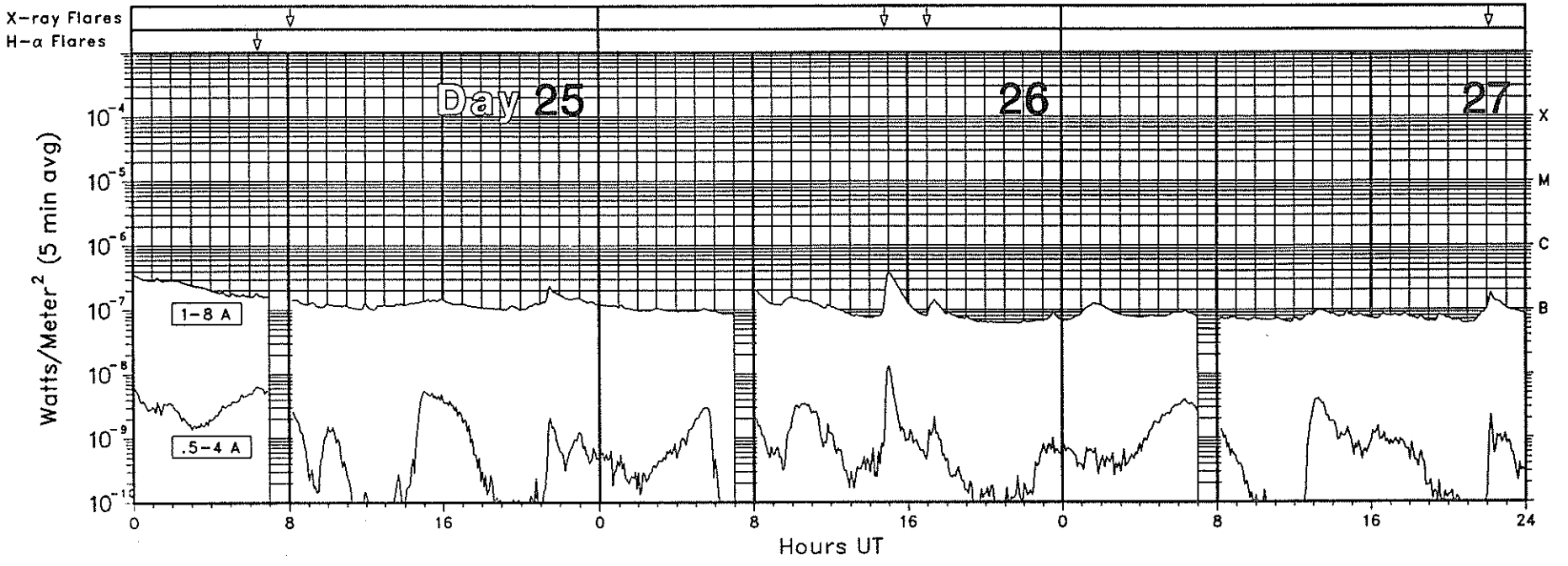
GOES-7 X-RAY DETECTOR

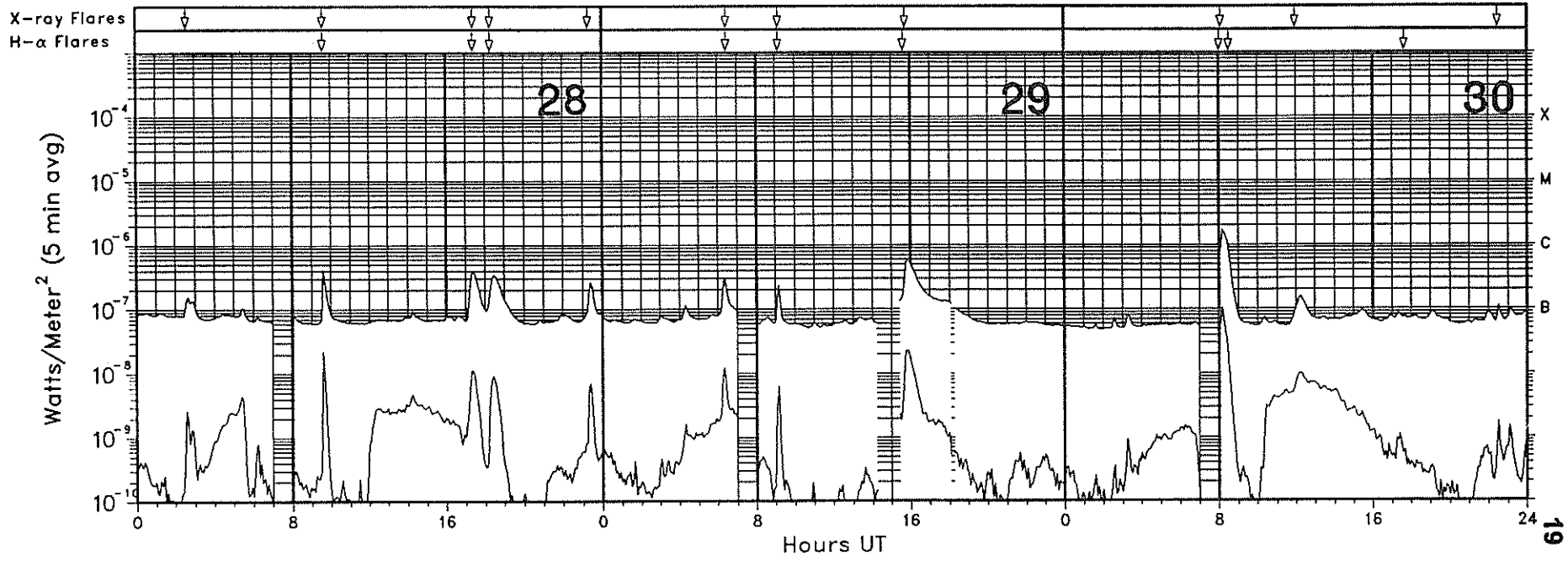
March 1994



GOES-7 X-RAY DETECTOR

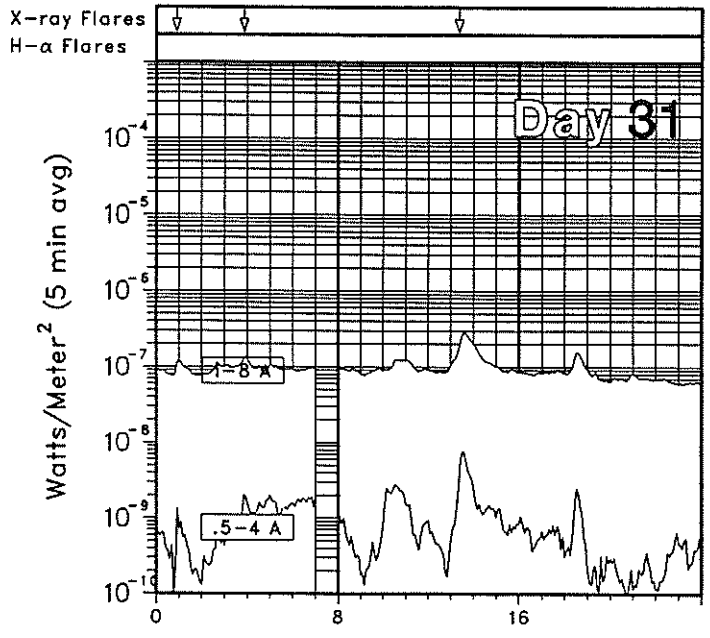
March 1994





GOES-7 X-RAY DETECTOR

March 1994



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

March 1994

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region
01	0139	0143	0145				B1.7	
01	0200	0204	0207				B2.8	
01	0755	0758	0802				B2.6	
01	1439	1454	1510				B2.0	
01	1559	1605	1610				B1.7	
01	1757	1801	1805				B1.3	
01	1951	1954	2004	S13	E41	SF	B9.9	7680
01	2220	2226	2253	S12	E40	1F	C3.6	7680
02	0312	0315	0318				B1.6	
02	0359	0359	0405	S12	E36	SF	B4.5	7680
02	0706	0710	0714				B1.6	
02	1605	1609	1616	S19	W23	SF	B3.7	7682
02	1647	1648	1705	S19	W26	SF	B3.8	7682
02	2205	2211	2214	S17	W27	SF	B4.5	7682
02	2306	2306	2317	S19	W26	SF	C1.7	7682
03	0208	0209	0225	S20	W28	SF	C6.2	7682
03	0337	0338	0346	S19	W29	SF	C1.3	7682
03	0723	0728	0733				B2.6	
03	0817	0821	0823				B3.9	
03	0850	0854	0856				B3.3	
03	0904	0911	0915				B2.7	
03	0915	0924	0942				B5.1	
03	1136	1233	1252	S19	W34	SF	C3.2	7682
03	1200	1204	1206				B2.3	
03	1241	1243	1245				C1.2	
03	1307	1309	1313	S19	W36	SF	C6.4	7682
03	1359	1416	1424				B8.7	
03	1502	1506	1508				B5.9	
03	1610	1615	1619				C1.5	
03	1809	1824	1828	S19	W37	SF	C1.6	7682
03	1905	1910	1917				C1.0	
03	2012	2016	2019				C1.2	
03	2102	2106	2123	S18	W42	SF	C1.2	7682
03	2147	2155	2157				B9.1	
03	2214	2219	2221				C1.1	
03	2318	2321	2337	S17	W42	SF	C1.2	7682
04	0135	0148	0201				C1.5	
04	0139	0208	0221	S18	W41	SF	C1.8	7682
04	0238	0238	0247	S18	W42	SF	C1.3	7682
04	0301	0315	0423	S18	W42	1F	C1.6	7682
04	0313	0321	0324				C3.6	
04	0343	0346	0348				B9.7	
04	0358	0406	0419				B9.3	
04	0425	0427	0446	S18	W45	SF	C1.1	7682
04	0516	0519	0521				B8.0	
04	0540	0543	0545				B6.4	
04	0609	0611	0617	S18	W47	SF	C1.1	7682
04	0644	0649	0712	S18	W46	1F	C5.8	7682
04	0738	0742	0745				B8.0	
04	0749	0800	0803				C1.3	
04	0829	0834	0839				B9.8	
04	0904	0907	0909				B7.7	
04	0914	0924	0948				C3.6	
04	1053	1128	1146	S19	W47	SF	C2.3	7682
04	1218	1249	1259	S18	W50	SF	C1.2	7682
04	1417	1418	1424	S19	W51	SF	B9.1	7682
04	1502	1507	1509				B6.4	
04	1616	1620	1622				B4.4	
04	1626	1627	1631	S19	W52	SF	C1.1	7682
04	1635	1636	1646	S19	W53	SF	B6.1	7682
04	1717	1723	1732				B4.7	
04	1748	1752	1754				B4.0	
04	1816	1819	1821				B2.5	
04	1853	1856	1858				B5.0	
04	1902	1904	1906	S19	W56	SF	C1.3	7682
04	2043	2046	2048				B9.5	
04	2047	2053	2059	S17	W55	SF	C1.7	7682
04	2118	2121	2132	S18	W54	SF	B6.2	7682
04	2251	2255	2257				B5.9	
04	2333	2343	2348				B4.8	
05	0001	0003	0006				B4.3	
05	0348	0352	0354				B2.5	
05	1218	1218	1226	S17	W66	SF	B3.7	7682
05	1351	1351	1358	S13	W08	SF	B1.6	7680
05	1848	1851	1853				B2.7	
05	2301	2304	2306				B2.4	
06	0626	0630	0633				B2.0	
06	0639	0640	0650	N09	W36	SF	B3.9	
06	0653	0656	0705	N17	E26	SF	B3.6	
06	0815	0817	0823	N17	E25	SF	B8.3	
06	1025	1030	1034				B4.4	
06	1135	1144	1149				B2.3	
06	1233	1233	1246	N17	E23	SF	C2.3	
06	1513	1519	1531				B3.8	
06	1553	1605	1622	S09	E15	SF	B5.7	7685
06	1628	1629	1638	N17	E21	SF	B3.2	
06	1752	1752	1801	N18	E21	SF	B2.9	7687
06	1937	1940	1948	S09	E12	SF	B6.1	7685
06	2208	2213	2219				B2.2	
06	2312	2316	2319				B2.0	
07	0315	0321	0326				B2.2	
07	2127	2138	2148				B3.2	
08	0236	0240	0243				B2.0	
08	1211	1328	1410				B3.5	
08	1901	1904	1908				B1.4	
08	2251	2254	2257				B1.7	
09	0116	0121	0130				B3.7	
09	0459	0504	0508				B2.6	
09	0659	0702	0704				B1.2	
09	0825	0828	0831				B1.9	
09	1018	1021	1025				B1.6	
09	1813	1822	1837				B3.7	
09	1851	1901	1908				B5.2	
09	2009	2014	2019				B2.9	
09	2038	2046	2103				B1.9	
09	2133	2140	2152				B7.7	
10	0007	0012	0019				B4.0	
10	0025	0028	0032				B4.3	
10	0749	0757	0805				B6.4	
10	0847	0909	0917				B7.0	
10	2234	2243	2257				B2.6	
11	0036	0048	0103				B3.8	
11	0424	0428	0441				B2.4	
11	0606	0612	0618				B2.1	
11	1003	1007	1013				B1.2	
11	1930	1933	1936				B1.2	
12	0009	0013	0015				B2.0	
12	0603	0609	0611				B2.7	
12	0736	0743	0747				C1.1	
12	1000	1004	1009				B2.9	
12	1256	1300	1310	N17	E53	SF	B3.0	7688
12	1726	1734	1744				B3.2	
12	1914	1934	1944				B3.0	

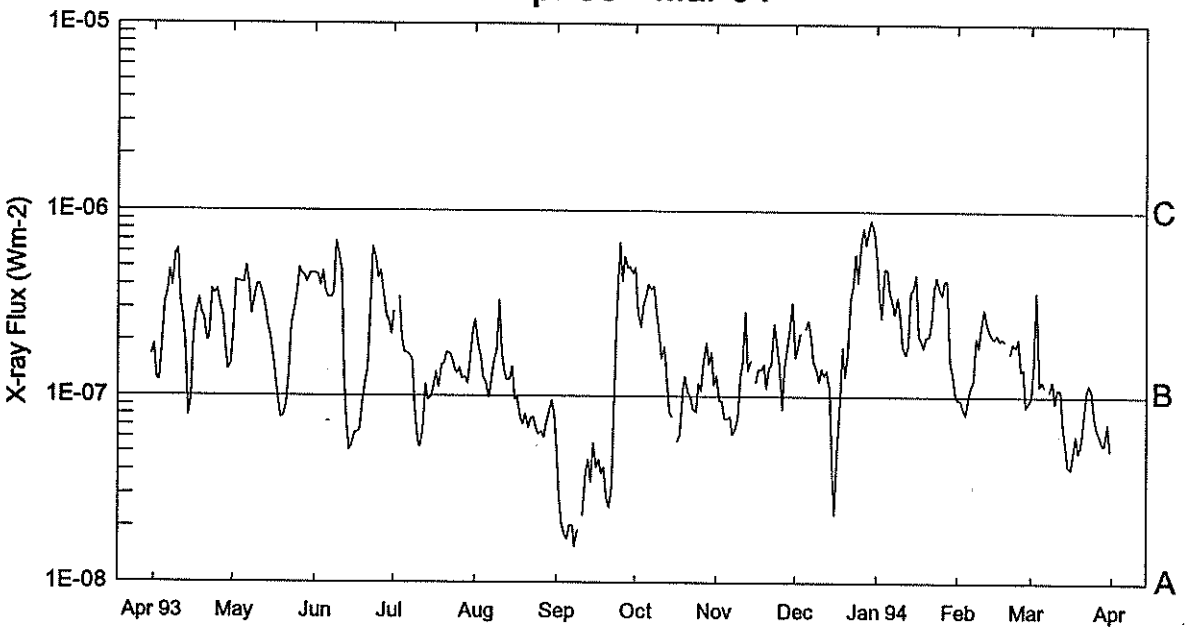
GOES S O L A R X-RAY F L A R E S
Preliminary Listing

March 1994

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region
12	2044	2050	2100				B5.4	
12	2336	2341	2347				B3.1	
13	0247	0250	0252				B2.9	
13	0304	0308	0311				B2.3	
13	0348	0352	0357				B2.9	
13	1107	1112	1124	S14	W62	SF	B4.8	7690
14	0200	0207	0220				B1.4	
15	0106	0131	0146				B1.2	
15	0341	0410	0432				B2.2	
15	1125	1132	1136				B4.0	
15	1305	1309	1313				B1.5	
16	1555	1605	1615				B1.6	
17	0459	0501	0512	N19	W13	SN	B2.3	7688
17	0508	0511	0513				B1.0	
18	0235	0320	0539				C2.7	
20	1039	1138	1315				B1.3	
21	1551	1621	1628	N21	W68	SF	B8.2	7688
21	1752	1753	1758	N10	W39	SF	B3.1	7693
21	1910	1914	1931	N08	W40	SF	B3.6	7693
21	2149	2152	2159	N09	W40	SF	B3.2	7693
22	0620	0643	0700				B3.0	
22	1617	1624	1634				B1.7	
22	1658	1709	1721				B2.2	
23	0023	0028	0033				B2.7	
23	0246	0253	0304				B2.0	
23	0353	0357	0401				B2.0	
23	1154	1157	1209	N18	W23	SF	B1.9	7692
23	1216	1219	1227	N18	W23	SF	B2.6	7692
23	1305	1305	1311	N08	W64	SF	B1.9	7693
23	1603	1607	1611				B2.0	
23	1952	2038	2119				B3.9	
24	0258	0301	0307				B1.8	
24	0337	0343	0351				B2.4	
24	1151	1155	1203				B2.4	
24	1412	1416	1421				B2.6	
24	1650	1700	1721				B5.6	
24	2200	2220	2233				C3.6	
25	0809	0821	0903				B1.4	
26	1448	1503	1526				B3.8	
26	1701	1720	1737				B1.4	
27	2206	2210	2217				B1.9	
28	0234	0239	0244				B1.7	
28	0936	0937	0943	S17	E13	SF	B6.2	7695
28	1725	1732	1740	S15	E85	SF	B3.9	
28	1818	1825	1907	N09	E23	SF	B3.4	7697
28	2318	2326	2335				B2.6	
29	0627	0629	0633	N10	E19	SF	B3.1	7697
29	0909	0911	0913	S18	W40	SF	B2.8	7696
29	1543	1548	1644	N10	E13	SF	B6.1	7697
30	0805	0807	0846	N10	E04	SF	C1.9	7697
30	1157	1213	1223				B1.5	
30	2226	2230	2236				B1.1	
31	0054	0058	0102				B1.4	
31	0351	0354	0359				B1.5	
31	1322	1335	1354				B2.8	

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 Daily X-Ray Background
Apr 93 - Mar 94



Day	Apr 93	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan 94	Feb	Mar
1	B1.6	B1.4	B4.6	B2.1	B2.3	A8.0	B4.6	B1.1	B3.2	B7.9	B1.0	A9.4
2	B1.9	B2.2	B4.5	B2.8	B2.5	A5.1	B4.9	B1.3	B1.6	B6.0	A9.7	A9.9
3	B1.2	B4.2	B4.5	---	B1.9	A2.8	B2.8	A9.5	B1.8	B3.6	A9.5	B1.5
4	B1.2	B4.1	B3.9	B3.4	B1.6	A2.1	B2.3	A9.5	B2.2	B2.6	A8.6	B3.7
5	B1.7	B4.1	B4.7	B2.0	B1.2	A1.7	B3.1	A7.5	---	B4.9	A8.0	B1.1
6	B3.2	B4.0	B3.6	B1.7	B1.1	A1.7	B3.4	A7.5	B2.3	B4.8	A9.6	B1.2
7	B3.6	B5.0	B3.4	B1.7	A9.8	A2.0	B4.0	A7.8	B2.5	B3.7	B1.1	B1.1
8	B4.7	B4.0	B3.4	B1.6	B1.1	A2.0	B3.7	A6.2	B2.1	B3.1	B1.2	---
9	B3.9	B2.7	B3.5	B1.5	B1.5	A1.5	B3.9	A6.6	B1.5	B2.7	B2.0	B1.0
10	B5.8	B3.4	B6.8	A8.5	B1.7	A1.9	B2.8	A7.7	B1.4	B3.4	B1.8	B1.2
11	B6.1	B4.0	B5.9	A5.7	B3.3	---	B2.2	B1.2	B1.2	B2.7	B2.3	A9.1
12	B3.2	B4.0	B4.7	A5.3	B1.7	A2.2	B1.6	B1.5	B1.4	B1.8	B2.9	B1.1
13	B2.7	B3.4	B1.3	A6.6	B1.3	A3.8	B1.8	B2.8	B1.2	B1.6	B2.5	B1.0
14	B1.9	B3.2	A7.2	B1.1	B1.2	A4.5	B1.2	B1.3	B1.3	B1.9	B2.3	A6.9
15	A7.8	B2.4	A5.1	A9.5	B1.2	A3.4	A8.2	B1.5	B1.1	B3.6	B2.1	A5.6
16	A9.5	B2.1	A5.4	A9.9	B1.4	A5.6	A7.7	---	A4.5	B3.8	B2.0	A4.2
17	B2.0	B1.7	A6.3	B1.1	A9.6	A4.1	---	B1.1	A2.3	B4.6	B2.1	A4.0
18	B2.8	B1.2	A6.3	B1.3	A9.9	A4.5	A5.7	B1.4	A5.7	B2.1	B2.0	A5.0
19	B3.3	A9.5	A6.5	B1.1	A7.6	A3.8	A6.2	B1.3	A8.2	B2.0	B2.0	A6.1
20	B2.8	A7.6	A9.5	B1.4	A7.1	A4.1	B1.0	B1.5	B1.8	B1.8	B1.9	A4.9
21	B2.6	A7.7	B1.2	B1.5	A7.9	A2.9	B1.2	B1.1	B1.2	B2.1	---	A5.4
22	B1.9	A9.0	B1.4	B1.7	A6.7	A2.5	B1.0	B1.4	B1.6	B2.1	B1.7	A7.7
23	B2.0	B1.3	B3.0	B1.7	A7.5	A3.2	A9.9	B1.4	B3.4	B2.5	B1.9	B1.0
24	B3.7	B2.4	B6.4	B1.6	A7.7	B1.0	A8.5	B2.4	B3.9	B3.8	B1.8	B1.1
25	B3.5	B2.8	B5.5	B1.4	A6.8	B3.0	A8.2	B1.9	B5.9	B4.4	B2.0	B1.0
26	B3.7	B3.3	B4.3	B1.3	A6.2	B6.8	B1.1	B1.4	B4.1	B3.8	B1.3	A7.5
27	B3.1	B4.9	B4.7	B1.4	A6.4	B4.2	B1.0	A8.5	B6.9	B3.5	B1.4	A6.7
28	B2.7	B4.6	B3.6	B1.2	A6.0	B5.7	B1.5	B1.4	B8.1	B4.2	A8.8	A6.2
29	B1.9	B4.4	B2.7	B1.2	A7.1	B4.9	B1.9	B1.8	B6.6	B4.2		A5.5
30	B1.3	B4.1	B2.5	B1.1	A8.1	B5.0	B1.4	B2.3	B7.8	B1.5		A5.5
31		B4.5		B1.6	A9.4		B1.7		B8.9	B1.3		A7.2

NOTE: Background levels below B1.0 are unreliable.

MASS EJECTIONS FROM THE SUN--PROXY DATA*

March 1994

Site	Mo	Day	Observed UT Start	Max	End	Location RA°	R/Ro	Freq or Wavelength	Kind of Event

No Reports

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

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

REPORTING STATIONS
- IZMI = Izmiran
- KHAR = Kharkov
- LEAR = Learmonth
- ONDR = Ondrejov
- POTS = Potsdam
- SGMR = Sagamore Hill
- SVTO = San Vito
- WROC = Wroclaw

*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.

Editor's Note: This is the final issue of the "Mass Ejections from the Sun" table. The table first appeared with the March 1980 data in response to a request by the IAU Commission 10. The table was not intended to be a list of Coronal Mass Ejections (CMEs) as we understand them today. However, some people have been using it as a current listing of CMEs. The IAU agreed to discontinue this table because of these misinterpretations. WDC-A for Solar-Terrestrial Physics thanks all the contributors for their efforts in supplying the routine data for many years. We will continue the archive at WDC-A. Please note that the solar radio spectral Type II and IVm data can be found in the SGD Part I.

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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	0545E	1034	S20	W05	02	29.8		03	9	9	E	LEAR	7682	
01	ADF	0840E	1034	S16	W08	02	29.7	1	11	8	8	E	LEAR	7682	
01	AFS	1017E	1604	S18	W05	03	1.0		01	9	9	E	SVTO	7682	
01	AFS	1018E	1604	S18	W07	02	29.9		02	9	9	E	SVTO	7682	
01	AFS	1018E	1604	S19	W09	02	29.7		01	9	9	E	SVTO	7682	
01	DSD	1022E	1604	S18	W08	02	29.8		02	9	9	E	SVTO	7682	
01	AFS	1029E	1604	S14	E49	03	5.1		02	9	9	E	SVTO	7680	
01	AFS	1030E	1604	S14	E45	03	4.8		02	9	9	E	SVTO	7680	
01	DSD	1118E	1731	S19	W06	03	1.0		02	9	9	E	RAMY	7682	
01	DSD	1121E	2147	S13	E46	03	4.9		03	9	9	E	RAMY	7680	
01	SSB	1122		196	W33	03	9.1			0	0	E	SVTO		211 W48
01	AFS	1200E	1547	S19	W41	02	27.5		05	9	9	E	SVTO		
01	AFS	1210E	1547	S19	W20	02	29.0		02	9	9	E	SVTO	7682	
01	DSD	1212	1604	S10	W42	02	27.4		03	9	9	E	SVTO	7675	
01	SSB	1219		199	W36	03	9.5			0	0	E	RAMY		211 W48
01	AFS	1235E	1547	S20	W23	02	28.9		01	9	9	E	SVTO	7682	
01	DSD	1420E	1604	S18	W15	02	29.4		06	9	9	E	SVTO	7682	
01	ADF	1439E	1735	S20	W15	02	29.5	1	03	9	9	E	HOLL	7682	
01	DSD	1451E	2220D	S11	E47	03	5.1		02	9	4	E	HOLL	7680	
01	ADF	1704E	1731	N08	W39	02	27.9	1	07	9	9	E	RAMY	7676	
01	DSD	1743E	1803	S16	E11	03	2.6		02	9	9	E	HOLL	7678	
01	ADF	1806E	0054	S14	E44	03	5.1	1	05	9	9	E	HOLL	7680	
01	AFS	2118E	0054	S18	W34	02	28.4		02	9	9	E	HOLL		
02	DSD	0200E	1036	S15	E41	03	5.2		02	9	9	E	LEAR	7680	
02	ADF	0445E	1036	S18	W15	03	1.0	1	05	9	9	E	LEAR	7682	
02	ADF	0445E	1036	S24	W16	03	1.0	1	09	5	3	E	LEAR	7682	
02	AFS	0455E	1036	S13	E36	03	4.9		03	7	8	E	LEAR	7680	
02	AFS	0500E	1036	S17	W38	02	28.4		02	7	7	E	LEAR		
02	AFS	1120E	2200	S13	E33	03	5.0		02	9	9	E	RAMY	7680	
02	DSD	1120E	2200	S13	E34	03	5.0		02	9	9	E	RAMY	7680	
02	AFS	1125E	2200	S19	W19	03	1.0		03	9	9	E	RAMY	7682	
02	AFS	1132E	2200	S18	W41	02	28.4		02	9	9	E	RAMY	7683	
02	SSB	1245		199	W49	03	10.9			0	0	E	SVTO		210 W60
02	APR	1248E	1421D	N02	W90	02	24.9	1		9	9	E	RAMY		
02	AFS	1408E	2346	S18	W22	02	29.9		02	9	9	E	HOLL	7682	
02	SSB	1424		192	W49	03	10.4			0	0	E	RAMY		212 W63
02	AFS	1425E	2346	S17	W44	02	28.3		02	9	9	E	HOLL	7683	
02	DSD	1519E	1735D	S10	E44	03	5.9		02	9	9	E	RAMY		
02	DSD	1602E	1631D	S20	W28	02	29.5		02	9	9	E	RAMY	7682	
02	APR	1630E	2200	S11	W90	02	25.0	1		9	9	E	RAMY		
02	DSD	1735E	2200	S17	W46	02	28.3		02	9	9	E	RAMY	7683	
02	AFS	1736E	2200	S10	E43	03	6.0		01	9	9	E	RAMY		
02	AFS	1826E	2346	S17	E43	03	6.0		01	9	9	E	HOLL		
02	AFS	2332E	1030	S18	W26	03	1.0		03	9	9	E	LEAR	7682	
02	AFS	2333E	1030	S11	E40	03	6.0		02	9	9	E	LEAR		
02	AFS	2334E	1030	S19	W49	02	28.3		02	9	9	E	LEAR	7683	
02	ADF	2335E	0750D	S18	W45	02	28.6	1	09	9	9	E	LEAR	7683	
03	ADF	0235E	1030	S12	E26	03	5.1	1	04	8	9	E	LEAR	7680	
03	ADF	0254E	1030	S14	E29	03	5.3	1	05	9	9	E	LEAR	7680	
03	DSD	0833E	0851D	S20	W32	02	28.9	1-				C	CATA		
03	BSL	1011E	1011D	N02	W90	02	24.8	1-				C	CATA		
03	AFS	1129E	2212	S20	W32	03	1.0		03	9	9	E	RAMY	7682	
03	AFS	1137E	2212	S18	W55	02	28.4		02	9	9	E	RAMY	7683	
03	AFS	1147E	2212	S10	E33	03	6.0		01	9	9	E	RAMY	7684	
03	SSB	1205		143	W06	03	6.7			0	0	E	RAMY		198 W61
03	BSL	1217	1229	S16	W90	02	24.8	1-				C	CATA		
03	AFS	1832E	2334	S18	W39	02	29.8		02	9	9	E	HOLL	7682	
03	DSD	2120E	2127D	S17	W42	02	29.7		04	9	9	E	HOLL	7682	Flare Associated
03	DSD	2321E	2334	S17	W44	02	29.6		03	9	9	E	HOLL	7682	Flare Associated
05	AFS	0020E	1024	S06	W06	03	4.6		02	9	9	E	LEAR	7680	
05	AFS	0542E	1615	S09	E33	03	7.7		02	9	9	E	SVTO		
05	DSD	0630E	0845D	S19	W60	02	29.7		03	9	9	E	SVTO	7682	
05	AFS	0652E	1615	S10	W05	03	4.9		02	9	9	E	SVTO	7680	
05	BSL	0725	0734	S80	W90	02	25.0	1-				C	CATA		
05	BSL	0739	0739D	S70	W90	02	25.2	1-				C	CATA		
05	AFS	0815E	1615	S06	W10	03	4.6		02	9	9	E	SVTO		
05	AFS	0845E	1615	S18	W59	02	29.9		02	9	9	E	SVTO	7682	

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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
05	AFS	0919E	1615	S10	E06	03	5.8		02	5	5	E	SVTO	7684	
05	ADF	1129E	1615	S08	W05	03	5.1	1	06	9	9	E	SVTO	7680	
05	BSL	1236	1240	N67	E90	03	13.6	1-				C	CATA		
05	DSD	1402E	1615	S20	W60	03	1.0		03	9	9	E	SVTO	7682	
05	DSD	1403E	1615	S20	W68	02	29.4		02	9	9	E	SVTO	7682	
05	AFS	1450E	0058	S09	E27	03	7.6		02	9	9	E	HOLL	7685	
05	ADF	1508E	0058	S08	W05	03	5.2	1	08	9	9	E	HOLL	7685	
05	AFS	1514E	0058	S05	W14	03	4.6		02	9	9	E	HOLL		
05	AFS	1530E	0000	S17	W64	02	29.8		02	9	9	E	HOLL	7682	
05	AFS	1530E	0058	S17	W64	02	29.8		02	9	9	E	HOLL	7682	
05	AFS	1810E	0058	N09	W29	03	3.6		01	9	9	E	HOLL		
06	ADF	0156E	0930D	N08	W34	03	3.5	1	03	9	8	E	LEAR		
06	AFS	0320E	1030	N09	W35	03	3.5		04	9	9	E	LEAR		
06	AFS	0520E	1030	N17	E25	03	8.1		02	8	8	E	LEAR		
06	AFS	0614E	1625	S07	W23	03	4.5		02	9	9	E	SVTO		
06	AFS	0620E	1625	S11	W17	03	5.0		03	9	9	E	SVTO	7680	
06	AFS	0621E	1625	S09	W06	03	5.8		02	9	9	E	SVTO	7684	
06	AFS	0624E	1625	N07	W36	03	3.6		01	9	9	E	SVTO		
06	AFS	0626E	1625	N15	E25	03	8.2		02	9	9	E	SVTO		
06	AFS	0648E	1625	S09	E19	03	7.7		02	9	9	E	SVTO	7685	
06	DSD	0820	0842D	N17	E26	03	8.3		03	9	9	E	SVTO		Flare Associated
06	DSD	0825	0831	N20	E25	03	8.3	1-				C	CATA		
06	BSL	0826E	0831D	S16	W90	02	27.6	1-				C	CATA		
06	ADF	0845E	1625	S13	W23	03	4.6	1	11	9	9	E	SVTO	7680	
06	BSL	0846	0855D	N06	W90	02	27.7	1-				C	CATA		
06	BSL	0855	0920D	S88	W90	02	26.0	1-				C	CATA		
06	BSL	0904	0909	N89	W90	02	26.0	1-				C	CATA		
06	ADF	0905E	1030	S09	W16	03	5.2	1	11	9	9	E	LEAR	7680	
06	AFS	1220E	1625	S18	W74	02	29.9		02	9	9	E	SVTO	7682	
06	DSD	1256E	1315D	N17	E23	03	8.3		02	9	9	E	SVTO		
06	DSD	1341E	1625	N07	W41	03	3.5		02	9	9	E	SVTO		
06	AFS	1500E	0050	N16	E21	03	8.2		04	9	9	E	HOLL	7687	
06	DSD	1500E	2242D	N17	E23	03	8.4		02	9	9	E	HOLL	7687	
06	AFS	1512E	0050	S08	E14	03	7.7		01	7	9	E	HOLL	7685	
06	AFS	1527E	2039	S10	E14	03	7.7		03	9	9	E	RAMY	7685	
06	DSD	1528E	2039	S09	E12	03	7.5		01	9	9	E	RAMY	7685	
06	DSD	1530E	1557D	S07	W13	03	5.7		01	8	8	E	RAMY	7684	
06	AFS	1530E	2039	S09	W12	03	5.7		02	9	9	E	RAMY	7684	
06	AFS	1532E	2039	S06	W28	03	4.5		01	9	9	E	RAMY		
06	AFS	1533E	2039	N09	W40	03	3.6		01	9	9	E	RAMY	7686	
06	AFS	1534E	2039	N17	E20	03	8.2		02	9	9	E	RAMY	7687	
06	DSD	1553E	1849D	N11	W40	03	3.6		02	9	9	E	RAMY	7686	
06	ADF	1554E	2039	S16	W48	03	3.0	1	04	9	9	E	RAMY	7678	
06	ADF	1557E	2039	S12	W21	03	5.1	1	05	9	9	E	RAMY	7680	
06	AFS	1628E	0050	N09	W42	03	3.5		02	9	9	E	HOLL	7686	
06	DSD	1633E	2039	S09	E24	03	8.5		02	9	9	E	RAMY		
06	SSB	1652		142	W47	03	10.2			0	0	E	RAMY		
06	ADF	1710E	0050	S08	W19	03	5.3	1	10	9	9	E	HOLL	7680	
06	ADF	1752	1818D	N17	E23	03	8.5	3	08	9	9	E	RAMY	7687	Flare Associated
06	DSF	1752	1818U	N17	E23	03	8.5	3	08	9	9	E	RAMY	7687	Flare Associated
06	DSF	2109U	1530	N23	W02	03	6.7		12	0	0	E	HOLL		
07	ADF	0345E	1025	S09	W25	03	5.3	1	03	9	9	E	LEAR	7680	
07	AFS	0350E	1025	S08	E07	03	7.7		01	8	9	E	LEAR	7685	
07	AFS	0550E	0839D	N15	E13	03	8.2		03	9	9	E	LEAR	7687	
07	AFS	0705E	1618	N15	E13	03	8.3		02	5	5	E	SVTO	7687	
07	AFS	0815E	1618	S09	E04	03	7.6		03	9	9	E	SVTO	7685	
07	ADF	0835E	1618	S09	W31	03	5.0	1	05	9	9	E	SVTO	7680	
07	BSL	0841	0845	S83	E90	03	15.7	1-				C	CATA		
07	BSL	0841	0845D	S77	E90	03	15.7	1-				C	CATA		
07	AFS	0845E	1025	N08	W51	03	3.5		02	9	9	E	LEAR	7686	
07	DSD	1118E	1618	S07	E05	03	7.8		02	9	9	E	SVTO	7685	
07	AFS	1130E	1618	N08	W52	03	3.6		02	9	9	E	SVTO	7686	
07	AFS	1139E	2044	S08	E03	03	7.7		03	9	9	E	RAMY	7685	
07	DSD	1139E	2044	S10	E07	03	8.0		02	9	9	E	RAMY	7685	
07	AFS	1150E	2044	N16	E10	03	8.2		02	9	9	E	RAMY	7687	
07	ASR	1201E	2044	S19	W90	02	29.6			9	9	E	RAMY	7682	
07	ASR	1205E	1618	S18	W90	02	29.6			9	9	E	SVTO	7682	
07	AFS	1209E	2044	S08	W24	03	5.7		01	9	9	E	RAMY	7684	

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
07	DSD	1222E	1255D	N09	W55	03	3.4		04	9	9	E	RAMY	7686	
07	ADF	1225E	2044	N13	E63	03	12.3	1	08	9	9	E	RAMY		
07	SSB	1231		143	W59	03	11.3			0	0	E	RAMY		
07	DSD	1309E	1618	N13	E07	03	8.1		02	9	9	E	SVTO	7687	
07	ADF	1419E	2044	S07	W32	03	5.2	1	08	9	9	E	RAMY	7680	
07	APR	1924E	2339	S20	W90	02	29.9	1		9	9	E	HOLL	7682	
07	ADF	1955E	2339	S08	W36	03	5.1	1	09	9	9	E	HOLL	7680	
08	AFS	0230E	1025	S09	W07	03	7.6		03	7	7	E	LEAR	7685	
08	APR	0650	0800	S05	E90	03	15.0						ATHN		
08	ADF	0710E	1025	S08	W44	03	5.0	1	08	9	9	E	LEAR	7680	
08	BSL	0713E	0713D	N15	E90	03	15.1	1-				C	CATA		
08	BSL	0729E	0740	S22	W90	03	1.4	1-				C	CATA		
08	AFS	0730E	1635	S09	W09	03	7.6		02	5	5	E	SVTO	7685	
08	ADF	0738E	1635	N09	W60	03	3.8	1	09	9	9	E	SVTO	7686	
08	BSL	0740	0757	N22	E90	03	15.2	1-				C	CATA		
08	BSL	0751	0807D	S22	W90	03	1.4	1-				C	CATA		
08	BSL	0751	0807D	S78	E90	03	16.6	1-				C	CATA		
08	BSL	0757	0800	S75	E90	03	16.6	1-				C	CATA		
08	BSL	0757	0807D	N17	W90	03	1.5	1-				C	CATA		
08	BSL	0836	0841	S22	W90	03	1.4	1-				C	CATA		
08	ADF	0848E	1635	S10	W36	03	5.7	1	08	9	9	E	SVTO	7684	
08	ADF	0848E	1635	S11	W47	03	4.8	1	09	9	9	E	SVTO	7680	
08	APR	0857E	1635	S09	E90	03	15.1	1		9	9	E	SVTO		
08	DSD	0908E	1410D	S08	W11	03	7.5		02	9	9	E	SVTO	7685	
08	SSB	0915		145	W73	03	12.5			0	0	E	SVTO		
08	BSL	0928E	0937	N19	W90	03	1.5	1-				C	CATA		
08	BSL	0930	0937D	N14	E90	03	15.2	1-				C	CATA		
08	BSL	1037	1100D	N15	E90	03	15.2	1-				C	CATA		
08	AFS	1103E	1708	S08	W10	03	7.7		02	6	7	E	RAMY	7685	
08	ADF	1110E	1708	S12	W45	03	5.1	1	05	9	9	E	RAMY	7680	
08	AFS	1111E	1708	N07	W63	03	3.7		02	9	9	E	RAMY	7686	
08	SSB	1115		446	W14	03	5.0			0	0	E	RAMY		143 W71
08	APR	1121E	1708	S08	E90	03	15.2	1		9	9	E	RAMY		
08	DSD	1124E	1704D	N03	E41	03	11.5		02	9	9	E	RAMY		
08	DSD	1156E	1419D	N14	W10	03	7.7		01	9	9	E	SVTO	7687	
08	BSL	1237	1241D	N24	E90	03	15.5	1-				C	CATA		
08	DSD	1404E	1635	N01	E41	03	11.6		01	9	9	E	SVTO		
08	DSD	1421E	1708	N07	W68	03	3.5		02	9	9	E	RAMY	7686	
08	DSD	1451E	1635	S05	W12	03	7.7		01	9	9	E	SVTO	7685	
08	AFS	1630E	1735	N08	W69	03	3.5		02	9	9	E	HOLL	7686	
08	SSB	1631		145	W77	03	12.8			0	0	E	HOLL		
09	AFS	0120E	1013	S06	W19	03	7.6		04	9	8	E	LEAR	7685	
09	AFS	0603E	1635	N16	W14	03	8.2		02	9	9	E	SVTO	7687	
09	AFS	0615E	1635	S10	W45	03	5.9		02	9	9	E	SVTO	7684	
09	BSL	0715E	0715D	N16	E90	03	16.1	1-				C	CATA		
09	BSL	0715E	0715D	N35	E90	03	16.5	1-				C	CATA		
09	AFS	0800E	1635	S07	W22	03	7.7		03	9	9	E	SVTO	7685	
09	AFS	0830E	1635	N01	E30	03	11.6		01	9	9	E	SVTO		
09	BSD	0856	1015D	N09	W79	03	3.4		02	9	9	E	SVTO	7686	Flare Associated
09	BSL	0903E	0911	S31	W90	03	2.3	1-				C	CATA		
09	BSL	0903E	0952	N26	E90	03	16.4	1-				C	CATA		
09	BSL	0920	0926	S55	W90	03	1.6	1-				C	CATA		
09	BSL	1051	1104	S78	W90	03	1.1	1-				C	CATA		
09	BSL	1051	1104	S85	E90	03	17.8	1-				C	CATA		
09	BSL	1051	1104	S88	E90	03	17.9	1-				C	CATA		
09	AFS	1105E	2059	S08	W23	03	7.7		02	9	9	E	RAMY	7685	
09	AFS	1110E	2059	S11	W59	03	5.0		02	9	9	E	RAMY	7680	
09	AFS	1113E	2059	N16	W17	03	8.2		02	6	5	E	RAMY	7687	
09	ASR	1115E	1635	N08	W88	03	2.9			9	9	E	SVTO	7686	
09	APR	1120E	2012D	S02	E90	03	16.2	1		9	9	E	RAMY		
09	APR	1125E	2008D	N06	W81	03	3.4	1		9	9	E	RAMY	7686	
09	ASR	1125E	2059	N08	W79	03	3.5			9	9	E	RAMY	7686	
09	APR	1137E	2059	S37	W90	03	2.2	1		9	9	E	RAMY		
09	DSD	1138E	1355D	S15	W24	03	7.7		01	9	9	E	SVTO	7685	
09	APR	1139E	2059	N12	E90	03	16.3	1		9	9	E	RAMY		
09	AFS	1157E	2059	S09	W50	03	5.7		02	9	9	E	RAMY	7684	
09	ADF	1200E	1635	N07	E29	03	11.7	1	08	9	9	E	SVTO		
09	APR	1400E	1635	S07	E90	03	16.3	1		9	9	E	SVTO		

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
09	ASR	1444E	1635	N10	W89	03	2.9			9	9	E	SVTO	7686	
09	ASR	1449E	1729D	S08	W89	03	2.9			9	9	E	RAMY	7678	
09	APR	2040E	0100	N09	W90	03	3.1			9	9	E	HOLL	7686	
09	AFS	2040E	0100	S07	W29	03	7.7		02	7	8	E	HOLL	7685	
09	AFS	2207E	0100	S08	W55	03	5.8		01	8	7	E	HOLL	7684	
09	ASR	2305E	0415D	N07	W89	03	3.3			9	9	E	LEAR	7686	
09	AFS	2310E	0610D	S08	W30	03	7.7		02	7	8	E	LEAR	7685	
10	DSF	0022U	1838U	N14	E23	03	11.7		08	0	0	E	HOLL		
10	ASR	0535E	0610D	N06	W88	03	3.6			9	9	E	LEAR	7686	
10	ASR	0539E	1145D	N08	W90	03	3.5			9	9	E	SVTO	7686	
10	AFS	0600E	1649	S09	W33	03	7.8		02	9	9	E	SVTO	7685	
10	AFS	0615E	1649	S08	W62	03	5.6		02	9	9	E	SVTO	7684	
10	ASR	0705E	1505D	N18	E85	03	16.8			9	9	E	SVTO		
10	BSL	0735E	0756D	N06	W90	03	3.6	1-				C	CATA		
10	BSL	0745	0750	S84	E90	03	18.7	1-				C	CATA		
10	ASR	0805E	1020	N06	W88	03	3.7			9	9	E	LEAR	7686	
10	ASR	0805E	1020	N06	W88	03	3.7			9	9	E	LEAR	7686	
10	BSL	0836E	0839D	N06	W90	03	3.6	1-				C	CATA		
10	BSL	1006E	1006D	N05	W90	03	3.7	1-				C	CATA		
10	BSL	1057E	1057D	N05	W90	03	3.7	1-				C	CATA		
10	AFS	1120E	1615D	S09	W63	03	5.7		02	9	9	E	RAMY	7684	
10	ASR	1123E	1419D	N07	W90	03	3.7			9	9	E	RAMY		
10	APR	1205E	2028	N06	E89	03	17.2	1		9	9	E	RAMY		
10	AFS	1620E	2028	S07	W40	03	7.7		02	9	9	E	RAMY	7685	
10	AFS	1628E	2028	N17	W34	03	8.1		01	9	8	E	RAMY	7687	
10	ADF	1629E	2028	N18	W33	03	8.2	1	05	8	8	E	RAMY	7687	
10	APR	1640E	2028	S45	W90	03	3.2	1		7	9	E	RAMY		
10	CAP	1652E	1807D	N08	E90	03	17.4		01	9	8	E	RAMY		
10	ASR	1718E	1835	N20	E90	03	17.6			9	9	E	HOLL	7688	
10	APR	1719E	0100	N05	E90	03	17.4	1		9	9	E	HOLL		
11	AFS	0015E	1025	S07	W45	03	7.6		02	5	6	E	LEAR	7685	
11	AFS	0540E	1650	N19	E73	03	16.8		02	9	9	E	SVTO	7688	
11	ADF	0630E	1120D	N11	E65	03	16.2	2	03	9	9	E	SVTO	7688	
11	BSL	0911	0922	N85	W90	03	3.0	1-				C	CATA		
11	BSL	0911	0932	N74	E90	03	19.6	1-				C	CATA		
11	BSL	0922	0932	N64	E90	03	19.4	1-				C	CATA		
11	AFS	1059E	2047	S09	W49	03	7.8		02	8	9	E	RAMY	7685	
11	AFS	1104E	1628D	S10	W74	03	5.9		01	9	9	E	RAMY	7684	
11	AFS	1109E	2047	N17	W43	03	8.2		02	9	9	E	RAMY	7687	
11	DSD	1110E	1308D	N20	W46	03	7.9		01	7	7	E	RAMY	7687	
11	AFS	1113E	2047	N17	E71	03	16.9		02	9	9	E	RAMY	7688	
11	AFS	1118E	2047	S11	W29	03	9.3		02	9	9	E	RAMY	7689	
11	BSL	1123	1123D	N64	E90	03	19.5	1-				C	CATA		
11	ADF	1206E	2047	N19	W62	03	6.8	1	11	7	8	E	RAMY	7688	
11	APR	1228E	1305E	N33	E90	03	18.7	1	06				VALA		
11	BSL	1241	1241D	S82	W90	03	3.1	1-				C	CATA		
11	ASR	1307E	1730D	N13	E90	03	18.3			9	9	E	RAMY		
11	ASR	1412E	1730D	N05	E90	03	18.3			9	9	E	RAMY		
11	AFS	1426E	2324	S10	W33	03	9.1		02	8	5	E	HOLL	7689	
11	DSD	1620E	0045	N16	E66	03	16.7		02	9	9	E	HOLL	7688	
11	AFS	1621E	2047	S13	W38	03	8.8		01	9	9	E	RAMY		
11	ADF	1900E	2047	N04	E78	03	17.6	1	25	9	8	E	RAMY		
11	ADF	2310E	0045	N21	E66	03	17.0	1	05	9	7	E	HOLL	7688	
12	ADF	0740E	0852D	N19	E58	03	16.7	2	04	9	9	E	SVTO	7688	
12	BSL	0751E	0758D	S86	E90	03	20.7	1-				C	CATA		
12	BSL	0846	0854D	N22	W90	03	5.4	1-				C	CATA		
12	BSL	0846	0854D	S68	E90	03	20.5	1-				C	CATA		
12	DSD	0939E	1220D	S15	W48	03	8.8		01	9	9	E	SVTO	7689	
12	BSL	1045	1050D	S38	W90	03	5.2	1-				C	CATA		
12	AFS	1057E	1846	S03	W65	03	7.6		02	9	9	E	RAMY	7685	
12	DSD	1108E	1413D	S06	W61	03	7.9		01	8	9	E	RAMY	7685	
12	BSL	1134	1145	S42	W90	03	5.1	1-				C	CATA		
12	BSL	1154	1200	N13	E90	03	19.3	1-				C	CATA		
12	AFS	1220E	1624	S16	W48	03	8.9		02	9	9	E	SVTO		
12	AFS	1222E	1624	N19	E56	03	16.8		02	9	9	E	SVTO	7688	
12	BSL	1225	1230	S37	W90	03	5.3	1-				C	CATA		
12	DSF	1241U	0658U	S34	E34	03	15.2	1				C	CATA		

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
12	AFS	1242E	1659D	N19	W58	03	8.1		01	9	9	E	RAMY	7687	
12	AFS	1244E	1846	N17	E57	03	16.9		02	9	9	E	RAMY	7688	
12	DSD	1245E	1846	N16	E56	03	16.8		02	9	9	E	RAMY	7688	
12	AFS	1255E	1846	S09	W46	03	9.1		02	9	9	E	RAMY	7689	
12	ASR	1257E	1710D	N09	E90	03	19.3			9	9	E	RAMY		
12	ASR	1259E	1417D	S08	W90	03	5.8			8	8	E	RAMY	7684	
12	AFS	1404E	1846	S14	W49	03	8.9		02	9	9	E	RAMY	7690	
12	ADF	1412E	1846	S01	W67	03	7.6	1	05	9	9	E	RAMY	7685	
12	SSB	1418		443	W66	03	8.7			0	0	E	RAMY		
12	DSD	1429E	1846	S15	W50	03	8.8		02	9	9	E	RAMY	7690	
12	AFS	1555E	0101	N17	E54	03	16.8		03	9	9	E	HOLL	7688	
12	AFS	1600E	2358D	S10	W48	03	9.0		01	9	9	E	HOLL	7689	
12	AFS	1605E	2358D	S14	W51	03	8.8		01	9	9	E	HOLL		
12	AFS	2330E	1022	N18	E49	03	16.7		03	6	9	E	LEAR	7688	
13	BSL	0948E	0951D	S52	W90	03	5.7	1-				C	CATA		
13	BSL	1031	1041	S16	E90	03	20.3	1-				C	CATA		
13	BSL	1046	1056	S30	W90	03	6.4	1-				C	CATA		
14	AFS	0652E	1620	S15	W72	03	8.8		02	9	9	E	SVTO	7690	
14	DSD	0653E	1620	S12	W74	03	8.7		01	9	9	E	SVTO	7690	
14	ADF	0730	0800	N05	E40	03	17.3						ATHN		
14	BSL	0805E	0815	N80	W90	03	6.0	1-				C	CATA		
14	BSL	0831E	0835	S74	W90	03	6.1	1-				C	CATA		
14	BSL	0847	0902	N62	W90	03	6.4	1-				C	CATA		
14	BSL	1010	1019	S57	W90	03	6.6	1-				C	CATA		
14	AFS	1056E	1530D	N06	E16	03	15.6		02	9	9	E	SVTO		
14	SSB	1138		370	W18	03	9.1			0	0	E	RAMY		
14	APR	1213E	1535D	N19	W90	03	7.6	1		9	9	E	RAMY	7687	
14	ADF	1240E	1620	N15	E43	03	17.8	1	08	9	9	E	SVTO		
14	APR	1310E	1530D	N18	W90	03	7.7	1		6	5	E	SVTO	7687	
14	ASR	1445E	1620	S08	W90	03	7.9			9	9	E	SVTO	7689	
14	ASR	1454E	1642D	S10	W90	03	7.8			9	9	E	HOLL	7689	
14	ADF	1858E	1947	N17	E23	03	16.5	1	02	9	9	E	HOLL	7688	
14	AFS	1942E	1947	N06	E13	03	15.8		01	7	9	E	HOLL		
15	BSL	0727	0802	S47	E90	03	22.8	1-				C	CATA		
15	AFS	0815E	1632	N17	E18	03	16.7		02	7	7	E	SVTO	7688	
15	DSD	0818E	0954	N06	E03	03	15.6		02	9	9	E	SVTO		
15	BSL	0935	0945	N42	E90	03	22.8	1-				C	CATA		
15	BSL	0945	0955	N86	W90	03	7.0	1-				C	CATA		
15	AFS	0955E	1632	N05	E02	03	15.6		02	9	9	E	SVTO		
15	BSL	1037E	1055D	N12	E90	03	22.2	1-				C	CATA		
15	BSL	1045	1050	N26	E90	03	22.4	1-				C	CATA		
15	BSL	1050	1055D	N87	W90	03	7.0	1-				C	CATA		
15	BSL	1055	1055D	N48	E90	03	23.0	1-				C	CATA		
15	APR	1101E	1131	S15	W90	03	8.6	1		9	9	E	SVTO	7690	
15	APR	1102E	1135D	S13	W90	03	8.7	3		9	9	E	RAMY	7690	
15	AFS	1110E	2201	N18	E17	03	16.7		02	8	8	E	RAMY	7688	
15	DSD	1113E	2201D	N18	E14	03	16.5		02	9	9	E	RAMY	7688	
15	SSB	1122		368	W29	03	10.1			0	0	E	RAMY		393 W54
15	EPL	1124E	1143	S15	W90	03	8.7	2				C	CATA		
15	EPL	1132	1151	S15	W90	03	8.7	3		9	9	E	SVTO	7690	
15	EPL	1135E	1200D	S13	W90	03	8.7	3		9	9	E	RAMY	7690	
15	AFS	1148E	1555D	N07	E02	03	15.6		02	9	9	E	RAMY	7691	
15	BSL	1231	1240D	S22	W90	03	8.6	1-				C	CATA		
15	ADF	1250E	2201	N07	E27	03	17.5	1	11	9	9	E	RAMY		
15	APR	1345E	1632	N24	E90	03	22.5	1		9	9	E	SVTO		
15	ASR	1550E	1632	N16	E90	03	22.5			9	9	E	SVTO	7692	
15	ASR	1553E	2201	N16	E88	03	22.3			9	9	E	RAMY	7692	
15	ASR	1559E	1855	N16	E90	03	22.5			8	9	E	HOLL	7692	
15	ASR	1702E	1820	S10	W90	03	8.9			7	7	E	HOLL	7690	
15	DSF	1742U	1847U	S06	W23	03	14.0	2	03	9	9	E	RAMY		
16	DSD	0630E	0914	N16	E65	03	21.2		02	9	9	E	SVTO	7692	
16	ADF	0634E	1316	N03	E14	03	17.3	1	15	9	9	E	SVTO		
16	AFS	0651E	1316	N05	W08	03	15.7		02	9	9	E	SVTO	7691	
16	DSD	0900E	1316	N19	W04	03	16.1		03	9	9	E	SVTO	7688	
16	AFS	0914E	1316	N17	E65	03	21.3		02	9	9	E	SVTO	7692	
16	BSL	0954	1005	S58	W90	03	8.5	1-				C	CATA		

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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
16	BSL	1016	1016D	S10	E90	03	23.2	1-				C	CATA		
16	BSL	1026E	1035	S10	E90	03	23.2	1-				C	CATA		
16	ADF	1128E	2204	N16	E02	03	16.6	1	03	9	9	E	RAMY	7688	
16	AFS	1128E	2204	N17	W01	03	16.4		01	6	7	E	RAMY	7688	
16	DSD	1128E	2204	N20	W02	03	16.3		01	9	9	E	RAMY	7688	
16	ADF	1128E	2204	N22	E04	03	16.8	1	04	9	9	E	RAMY	7688	
16	AFS	1130E	1316	N18	E03	03	16.7		03	7	7	E	SVTO	7688	
16	DSD	1711E	2204	N19	W09	03	16.0		02	9	9	E	RAMY	7688	
16	DSD	1715E	2204	N19	E66	03	21.7		01	9	9	E	RAMY	7692	
17	ADF	0700E	1502	N01	W03	03	17.1	1	07	8	9	E	SVTO		
17	SSB	0950		319	W05	03	16.0			0	0	E	SVTO		
17	DSD	1056E	2209	N19	W15	03	16.3		03	9	9	E	RAMY	7688	
17	CRN	1202E	1209E	N17	W90	03	10.7	2	10				VALA		
17	SSB	1232		319	W07	03	16.1			0	0	E	RAMY		334 W22 367 W55
17	SSB	1518		318	W08	03	16.3			0	0	E	HOLL		
17	ADF	1625E	0057	N19	E45	03	21.1	1	07	5	7	E	HOLL	7692	
17	DSD	1634E	2209	N17	E50	03	21.5		01	9	9	E	RAMY	7692	
18	SSB	0125		319	W14	03	16.6			0	0	E	LEAR		
18	ADF	0700E	0927	N21	E52	03	22.3	1	05	9	9	E	LEAR	7692	
18	SSB	0927		318	W18	03	17.0			0	0	E	SVTO		
18	DSD	0935E	1630	N19	E48	03	22.1		02	9	9	E	SVTO	7692	
18	DSD	1100E	2002D	N19	W29	03	16.2		02	9	8	E	RAMY	7688	
18	AFS	1109E	2152	N17	E41	03	21.6		01	9	9	E	RAMY	7692	
18	DSD	1110E	1400D	N16	E38	03	21.3		02	9	9	E	RAMY	7692	
18	ADF	1143E	1630	N03	W17	03	17.2	1	18	9	9	E	SVTO		
18	SSB	1200		313	W15	03	17.5			0	0	E	RAMY		331 W32
18	AFS	1215E	1630	N14	W03	03	18.3		02	9	9	E	SVTO		
18	BSL	1235	1240D	S20	E90	03	25.4	1-				C	CATA		
18	AFS	1307E	2152	N14	W04	03	18.2		02	9	9	E	RAMY		
18	APR	1313E	2000D	N28	W90	03	11.5	1		8	9	E	RAMY		
18	ADF	1318E	2152	N03	W20	03	17.0	1	16	9	9	E	RAMY		
18	DSD	1939E	2025	N12	W08	03	18.2		02	9	9	E	HOLL		
18	SSB	2055		322	W28	03	17.1			0	0	E	HOLL		
18	DSF	2125U	1141U	N09	W21	03	17.3	2	08	9	9	E	RAMY		
19	SSB	0003		320	W30	03	17.4			0	0	E	LEAR		
19	APR	0600	0730	N26	E90	03	26.2						ATHN		
19	ADF	0605	1200	S01	W36	03	16.6						ATHN		
19	AFS	0628E	1623	N16	E31	03	21.6		01	9	9	E	SVTO	7692	
19	EPL	0633E	0813	N21	E90	03	26.2	3		5	5	E	SVTO		
19	EPL	0751E	0840	N34	E90	03	26.5	3				C	CATA		
19	SSB	0843		318	W30	03	17.9			0	0	E	SVTO		
19	BSL	0847	0855	S76	W90	03	11.1	1-				C	CATA		
19	ADF	0859E	1623	N10	W25	03	17.5	1	19	9	9	E	SVTO		
19	BSL	0910	0925	S18	W90	03	12.5	1-				C	CATA		
19	BSL	0915	0925	S62	W90	03	11.4	1-				C	CATA		
19	BSL	0948	0950D	S24	E90	03	26.4	1-				C	CATA		
19	BSL	1055E	1111	S10	E90	03	26.2	1-				C	CATA		
19	DSD	1105E	1414D	N17	W41	03	16.3		02	9	9	E	RAMY	7688	
19	DSD	1112E	1950D	N16	E29	03	21.7		02	9	9	E	RAMY	7692	
19	ADF	1120E	2000	N03	W31	03	17.1	1	25	9	9	E	RAMY		
19	DSD	1131E	1432D	N14	W19	03	18.0		01	9	9	E	RAMY		
19	ADF	1139E	2000	N27	W32	03	17.0	1	10	9	9	E	RAMY	7688	
19	BSL	1200	1210D	S09	E90	03	26.2	1-				C	CATA		
19	SSB	1202		322	W36	03	17.7			0	0	E	RAMY		337 W51
19	DSF	1240U	0751U	N11	W13	03	18.5	1				C	CATA		
19	AFS	1417E	1623	N13	E19	03	21.0		01	9	9	E	SVTO		
19	AFS	1420E	1739D	N20	W15	03	18.4		02	9	9	E	RAMY		
19	DSD	1420E	1623	N18	W42	03	16.4		02	9	9	E	SVTO	7688	
19	APR	1619E	2247	N01	E90	03	26.4	1		6	6	E	HOLL		
19	ADF	1625E	2247	N24	W40	03	16.6	1	05	9	9	E	HOLL	7688	
19	ADF	1655E	2247	N00	W41	03	16.6	1	08	9	9	E	HOLL		
19	SSB	1700		327	W44	03	17.5			0	0	E	HOLL		
19	SSB	2330		321	W42	03	18.2			0	0	E	LEAR		
19	ADF	2350E	1020	N04	W37	03	17.2	1	14	6	8	E	LEAR		
20	ADF	0614E	1519	N05	W41	03	17.2	2	16	9	9	E	SVTO		
20	SSB	0623		322	W46	03	18.4			0	0	E	SVTO		

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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	BSL	0753	0753D	N73	W90	03	12.1	1-				C	CATA		
20	BSL	0857E	0915D	N45	E90	03	27.8	1-				C	CATA		
20	AFS	0915E	1519	S06	W05	03	20.0		01	9	9	E	SVTO		
20	BSL	0926E	0926D	N43	E90	03	27.8	1-				C	CATA		
20	BSL	0926E	0926D	N45	E90	03	27.9	1-				C	CATA		
20	DSD	1011E	1519	N21	E15	03	21.6		01	9	9	E	SVTO	7692	
20	ADF	1059E	2109	N03	W43	03	17.2	1	21	9	9	E	RAMY		
20	SSB	1104		321	W48	03	18.7			0	0	E	RAMY		
20	ADF	1111E	2109	N28	W49	03	16.6	1	04	9	9	E	RAMY	7688	
20	BSL	1125E	1138	N63	W90	03	12.5	1-				C	CATA		
20	APR	1336E	2109	S18	E90	03	27.4	1		7	9	E	RAMY		
20	APR	1404E	1519	S19	E90	03	27.4	1		7	7	E	SVTO		
20	ADF	1613E	2109	N16	W35	03	18.0	1	03	9	9	E	RAMY		
20	SSB	2115		325	W57	03	18.7			0	0	E	HOLL		
20	ADF	2203E	0108	N01	W56	03	16.7	1	12	9	9	E	HOLL		
21	ADF	0130E	1015	N05	W52	03	17.2	1	24	9	9	E	LEAR		
21	BSL	0830E	0859	N64	E90	03	29.4	1-				C	CATA		
21	AFS	0840E	1015	N09	W35	03	18.7		01	7	7	E	LEAR		
21	BSL	0924E	0930	S72	E90	03	29.6	1-				C	CATA		
21	AFS	1040E	1630	N07	E35	03	24.1		02	9	9	E	SVTO		
21	AFS	1055E	2124	N09	W35	03	18.8		01	9	9	E	RAMY	7693	
21	SSB	1110		325	W65	03	19.2			0	0	E	RAMY		
21	SSB	1115		318	W58	03	19.9			0	0	E	SVTO		
21	SSB	1419		327	W69	03	19.1			0	0	E	HOLL		
21	DSD	1451E	0109	N19	E02	03	21.8		03	8	8	E	HOLL	7692	
21	AFS	1603E	0109	N10	W38	03	18.8		02	9	9	E	HOLL	7693	
21	ADF	1648E	2124	S02	W68	03	16.6	1	19	9	9	E	RAMY		
21	DSD	1738E	0109	N09	W41	03	18.6		01	9	9	E	HOLL	7693	
21	AFS	2315E	1015	N09	W43	03	18.7		02	9	9	E	LEAR	7693	
22	SSB	0000		327	W74	03	19.5			0	0	E	LEAR		
22	AFS	0612E	1620	S03	W36	03	19.6		02	9	9	E	SVTO	7693	
22	BSL	0734E	0741D	N08	W90	03	15.6	1-				C	CATA		
22	DSD	0837E	1620	N17	W08	03	21.7		02	9	9	E	SVTO	7692	
22	BSL	0930	0938	S54	W90	03	14.6	1-				C	CATA		
22	BSL	1001	1012	N73	E90	03	30.6	1-				C	CATA		
22	DSD	1056E	1947D	N07	W50	03	18.7		03	9	9	E	RAMY	7693	
22	AFS	1056E	1947D	N08	W48	03	18.8		01	9	9	E	RAMY	7693	
22	SSB	1104		320	W73	03	20.6			0	0	E	RAMY		
22	DSD	1108E	1947D	N17	W10	03	21.7		01	9	9	E	RAMY	7692	
22	BSL	1116	1124D	N64	E90	03	30.5	1-				C	CATA		
22	APR	1130E	1717D	S12	E90	03	29.2	1		9	9	E	RAMY		
22	AFS	1647E	1947D	N09	E05	03	23.1		01	8	7	E	RAMY		
22	AFS	1650E	0110	N09	W52	03	18.8		02	8	8	E	HOLL	7693	
22	DSD	1714E	1947D	N16	W50	03	18.9		02	9	9	E	RAMY	7693	
22	SSB	1720		325	W82	03	20.4			0	0	E	HOLL		
22	ADF	1930E	1947D	N22	W12	03	21.9	1	05	9	8	E	RAMY	7692	
22	ADF	1945E	0110	N22	W10	03	22.0	1	06	9	9	E	HOLL	7692	
22	AFS	2257E	1012	N11	W53	03	19.0		02	7	7	E	LEAR	7693	
22	AFS	2315E	1015D	N09	W43	03	19.7		02	9	9	E	LEAR	7693	
23	BSL	0716E	0730	S67	E90	03	31.4	1-				C	CATA		
23	BSL	0806E	0815D	N82	E90	03	31.7	1-				C	CATA		
23	BSL	0915	0930	S32	E90	03	30.5	1-				C	CATA		
23	AFS	0935E	1352	N06	W63	03	18.7		02	9	9	E	SVTO	7693	
23	BSL	0936	0950	N84	W90	03	15.0	1-				C	CATA		
23	AFS	0936E	1352	N17	W22	03	21.7		02	9	9	E	SVTO	7692	
23	AFS	0937E	1352	S08	E52	03	27.3		02	9	9	E	SVTO		
23	AFS	1010E	1352	N08	W04	03	23.1		01	9	9	E	SVTO		
23	AFS	1050E	2015D	N18	W21	03	21.8		01	9	9	E	RAMY	7692	
23	ADF	1054E	1621D	N04	W66	03	18.5	1	03	9	9	E	RAMY	7693	
23	APR	1056E	1846D	N01	W84	03	17.2	1		9	9	E	RAMY		
23	SSB	1057		318	W84	03	21.8			0	0	E	RAMY		
23	DSD	1105E	1249D	N35	W32	03	20.9		02	9	9	E	RAMY		
23	DSD	1330E	1335	N10	W64	03	18.7		03	9	9	E	SVTO	7693	
23	DSD	1330E	1352	N10	W64	03	18.7		02	9	9	E	SVTO	7693	
23	DSD	1338	1352	N10	W64	03	18.7		03	9	9	E	SVTO	7693	
23	AFS	1620E	2015D	N08	W65	03	18.8		01	9	9	E	RAMY	7693	
23	AFS	1629E	2015D	N09	E60	03	28.2		01	7	9	E	RAMY		

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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	APR	1632E	2015D	S16	E90	03	30.5	1		9	9	E	RAMY		
23	DSD	1856E	1927D	N10	E60	03	28.3		02	9	9	E	RAMY		Flare Associated
23	DSD	1900E	2015D	S18	E75	03	29.5		02	9	9	E	RAMY		
23	ASR	1901E	2015D	N10	E90	03	30.5			9	9	E	RAMY		
23	APR	1919E	2005	S16	E90	03	30.6	1		9	9	E	HOLL		
23	DSD	1926E	2005	S18	E78	03	29.7		02	9	9	E	HOLL		
23	ADF	1930E	2015D	S11	E46	03	27.3	1	03	8	8	E	RAMY		
23	DSD	1935E	2005	N09	E59	03	28.2		02	9	9	E	HOLL		
23	AFS	2008E	2015D	N08	W08	03	23.2		01	9	9	E	RAMY		
24	AFS	0305E	1007	N10	E55	03	28.3		02	9	8	E	LEAR		
24	ADF	0430E	0000	N20	W22	03	22.5	1	06	9	8	E	LEAR	7692	
24	AFS	0525E	1630	N05	W73	03	18.8		03	9	9	E	SVTO	7693	
24	AFS	0605E	1630	N10	E54	03	28.3		02	9	9	E	SVTO		
24	AFS	0641E	1630	S17	E72	03	29.7		02	9	9	E	SVTO		
24	BSL	0732E	0743	S15	E90	03	31.1	1-				C	CATA		
24	AFS	0805E	1007	S16	E68	03	29.5		04	9	9	E	LEAR		
24	BSL	0845	0853	N11	E90	03	31.1	1-				C	CATA		
24	AFS	1005E	1156D	N21	W35	03	21.7		03	9	9	E	SVTO	7692	
24	DSD	1055E	1856	N17	W40	03	21.4		02	9	9	E	RAMY	7692	
24	ADF	1059E	1856	N07	W73	03	19.0	1	03	9	9	E	RAMY	7693	
24	DSD	1102E	1856	S17	E67	03	29.5		02	9	9	E	RAMY	7695	
24	ADF	1105E	1856	S09	E36	03	27.2	1	05	9	9	E	RAMY		
24	AFS	1107E	1856	N09	E51	03	28.3		02	9	9	E	RAMY	7694	
24	AFS	1109E	1856	S18	E25	03	26.4		01	9	9	E	RAMY		
24	ADF	1113E	1856	S17	E66	03	29.5	1	12	9	9	E	RAMY	7695	
24	DSF	1118U	0546U	S16	E63	03	29.2		09	0	0	E	SVTO		
24	BSL	1156E	1159D	N64	E90	04	1.5	1-				C	CATA		
24	DSD	1156E	1630	N17	W42	03	21.3		02	9	9	E	SVTO	7692	
24	DSD	1158E	1715D	N08	E50	03	28.2		02	9	9	E	RAMY	7694	
24	SSB	1200		244	W24	03	27.9			0	0	E	RAMY		
24	BSD	1226E	1606D	N08	W77	03	18.7		02	7	8	E	RAMY	7693	
24	AFS	1348E	1630	S18	E24	03	26.4		02	9	9	E	SVTO		
24	AFS	1358E	1701D	S18	E24	03	26.4		02	9	9	E	HOLL		
24	ASR	1716E	1856	N13	W85	03	18.3			9	9	E	RAMY	7693	
24	ADF	2212E	2315	N24	W37	03	22.1	1	06	8	6	E	HOLL	7692	
24	AFS	2340E	1010	N09	E43	03	28.2		02	9	9	E	LEAR	7694	
24	AFS	2345E	1010	S18	E18	03	26.4		02	9	9	E	LEAR		
25	AFS	0558E	1601	N08	W41	03	22.2		02	9	9	E	SVTO	7694	
25	AFS	0558E	1601	S18	E15	03	26.4		03	9	9	E	SVTO		
25	ASR	0615	1517D	N06	W90	03	18.5			9	9	E	SVTO	7693	
25	ASR	0640E	1010	N05	W89	03	18.6			9	9	E	LEAR	7693	
25	ADF	0758E	1601	N21	W47	03	21.7	1	02	9	9	E	SVTO	7692	
25	BSL	0808	0813	N65	E90	04	2.4	1-				C	CATA		
25	BSL	0842	0854	N66	E90	04	2.4	1-				C	CATA		
25	BSL	0949E	1003D	N68	E90	04	2.5	1-				C	CATA		
25	BSL	1035	1106	N59	E90	04	2.3	1-				C	CATA		
25	AFS	1051E	1405D	N18	W52	03	21.5		01	8	8	E	RAMY	7692	
25	BSL	1056	1106	N88	E90	04	2.9	1-				C	CATA		
25	AFS	1057E	2208	N09	E37	03	28.2		02	8	9	E	RAMY	7694	
25	DSD	1058E	1256D	N11	E38	03	28.3		01	6	7	E	RAMY	7694	
25	DSD	1103E	1423D	S17	E49	03	29.2		01	9	9	E	RAMY	7695	
25	AFS	1114E	2208	N08	E66	03	30.4		01	9	9	E	RAMY		
25	ASR	1128E	1425D	N09	W89	03	18.8			8	9	E	RAMY	7693	
25	ADF	1253E	2208	N25	W43	03	22.2	1	12	9	9	E	RAMY	7692	
25	SSB	1300		216	W10	03	26.7			0	0	E	RAMY		
25	ADF	1302E	1955D	N10	E69	03	30.7	1	03	9	8	E	RAMY		
25	AFS	1414E	2208	S18	E10	03	26.3		02	8	9	E	RAMY	7696	
25	DSD	1415E	1702D	S16	E09	03	26.3		01	6	6	E	RAMY		
25	AFS	1426E	2208	S18	E50	03	29.4		01	9	9	E	RAMY	7695	
25	AFS	1545E	2159D	S21	E55	03	29.9		01	9	9	E	HOLL	7695	
25	AFS	1545E	2330	N08	E35	03	28.3		01	9	9	E	HOLL	7694	
25	AFS	2335E	1008	S18	E50	03	29.8		04	9	9	E	LEAR	7695	
26	AFS	0410E	1008	N10	E28	03	28.3		04	9	9	E	LEAR	7694	
26	AFS	0630E	1640	N10	E26	03	28.2		01	9	9	E	SVTO	7694	
26	AFS	0632E	1640	S18	E43	03	29.5		03	9	9	E	SVTO	7695	
26	AFS	0634E	1448D	S18	E00	03	26.3		03	9	9	E	SVTO	7696	
26	ASR	0717E	0810D	N12	W90	03	19.5			9	9	E	SVTO		

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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
26	ASR	0717E	0810D	N12	W90	03	19.5			9	9	E	SVTO		
26	BSL	0719E	0743D	N10	W90	03	19.5	1				C	CATA		
26	BSL	1019	1026	N03	E90	04	2.1	1-				C	CATA		
26	AFS	1057E	2001	N09	E24	03	28.2		02	8	7	E	RAMY	7694	
26	AFS	1101E	1938D	S18	W01	03	26.4		02	8	9	E	RAMY	7696	
26	DSD	1103E	1640D	S16	W01	03	26.4		01	9	9	E	RAMY	7696	
26	DSD	1109E	1310D	N19	W60	03	21.9		02	7	9	E	RAMY	7692	
26	ADF	1113E	2001	S17	E38	03	29.3	1	07	9	9	E	RAMY	7695	
26	BSL	1116E	1126	S70	W90	03	18.3	1-				C	CATA		
26	ADF	1121E	2001	N12	E61	03	31.1	1	09	9	9	E	RAMY		
26	SSB	1129		216	W22	03	27.7			0	0	E	RAMY		
26	ADF	1209E	1640	N10	E23	03	28.2	1	03	9	9	E	SVTO	7694	
26	DSD	1449E	1640	N11	E20	03	28.1		01	9	9	E	SVTO	7694	
26	DSD	1459E	1640	S18	W02	03	26.5		02	9	9	E	SVTO	7696	
26	AFS	1638E	2001	S17	E37	03	29.5		02	9	9	E	RAMY	7695	
26	ADF	1723E	2001D	N18	E37	03	29.5	1	11	9	9	E	RAMY		
26	AFS	2009E	2217	S17	E35	03	29.5		03	9	9	E	HOLL	7695	
26	AFS	2320E	1012	S18	E32	03	29.4		02	9	9	E	LEAR	7695	
27	AFS	0040E	0353	S17	E35	03	29.7		02	9	9	E	PALE	7695	
27	SSB	0107		216	W30	03	28.3			0	0	E	PALE		
27	ADF	0330E	1012	S24	E33	03	29.7	1	11	9	9	E	LEAR	7695	
27	AFS	1059E	2045	S17	E26	03	29.4		01	9	9	E	RAMY	7695	
27	ADF	1107E	2045	N12	E47	03	31.0	1	05	9	9	E	RAMY		
27	AFS	1116E	2045	N09	E11	03	28.3		01	9	9	E	RAMY	7694	
27	ASR	1127E	1302D	S17	E90	04	3.3			9	9	E	RAMY		
27	DSD	1303E	2045	S17	E26	03	29.5		01	9	9	E	RAMY	7695	
27	DSD	1551E	2045	S12	W21	03	26.1		01	9	9	E	RAMY	7696	
27	APR	1556E	2045	S17	E90	04	3.5	1		9	9	E	RAMY		
27	AFS	1653E	0015	S17	E23	03	29.4		02	9	9	E	HOLL	7695	
27	APR	1739E	0015	S18	E90	04	3.6	1		8	6	E	HOLL		
27	DSF	2041U	1132U	S02	W11	03	27.0	2	08	0	0	E	RAMY		
27	DSF	2041U	1132U	S16	W58	03	23.5	2	16	0	0	E	RAMY		
27	AFS	2310E	1010	S17	E18	03	29.3		02	9	9	E	LEAR	7695	
27	AFS	2310E	1013	S17	E18	03	29.3		02	9	9	E	LEAR	7695	
27	DSF	2322U	1415U	N01	W14	03	26.9		09	0	0	E	HOLL		
27	DSF	2322U	1415U	N06	W79	03	22.1		39	0	0	E	HOLL		
27	DSD	2353E	0145D	S16	E18	03	29.4		02	9	9	E	LEAR	7695	
28	APR	0547E	0836D	S20	E90	04	4.1	1		9	9	E	SVTO		
28	DSD	0600E	1350D	S18	E14	03	29.3		02	9	9	E	SVTO	7695	
28	AFS	0840E	1645	S17	E17	03	29.6		02	9	9	E	SVTO	7695	
28	ADF	0900E	1645	N35	E11	03	29.2	1	12	9	9	E	SVTO		
28	ADF	1100E	1737D	N10	E29	03	30.6	1	05	9	9	E	RAMY		
28	ADF	1100E	1737D	N10	E29	03	30.6	1	05	9	9	E	RAMY		
28	AFS	1105E	0000	S17	E14	03	29.5		02	9	9	E	RAMY	7695	
28	AFS	1105E	2144	S17	E14	03	29.5		02	9	9	E	RAMY	7695	
28	DSD	1112E	1221D	S12	W32	03	26.0		02	9	9	E	RAMY	7696	
28	DSD	1421E	1605D	N13	W08	03	28.0		02	9	9	E	RAMY	7694	
28	ADF	1713E	0115	N08	E23	03	30.4	1	09	9	9	E	HOLL		
28	AFS	1713E	0155	S17	E12	03	29.6		02	8	8	E	HOLL	7695	
28	ADF	1737E	2144	N10	E29	03	30.9	1	34	9	9	E	RAMY		
28	DSF	2141U	1051U	S37	W34	03	26.2	2	11	0	0	E	RAMY		
28	DSF	2141U	1051U	S37	W34	03	26.2	2	11	0	0	E	RAMY		
28	DSF	2322U	1415U	N01	W14	03	27.9		09	0	0	E	HOLL		
28	DSF	2322U	1415U	N06	W79	03	23.1		39	0	0	E	HOLL		
29	BSL	0703E	0712D	N14	E90	04	5.1	1-				C	CATA		
29	BSL	0919	0921D	N04	W90	03	22.7	1-				C	CATA		
29	ADF	0925E	1007	S21	W35	03	26.7	1	03	9	9	E	LEAR	7696	
29	ADF	1121E	2128	S15	E13	03	30.4	1	04	9	9	E	RAMY		
29	ADF	1123E	2128	S20	W38	03	26.6	1	05	9	9	E	RAMY	7696	
29	ADF	1145E	2128	N11	E20	03	31.0	1	44	9	9	E	RAMY		
29	AFS	1200E	2128	S16	E00	03	29.5		02	8	8	E	RAMY	7695	
29	AFS	1712E	2128	S16	W44	03	26.4		02	8	7	E	RAMY	7696	
29	DSD	1716E	2128	N09	W19	03	28.3		02	9	9	E	RAMY	7694	
29	AFS	1724E	2128	S17	E18	03	31.1		02	9	9	E	RAMY		
29	ADF	1827E	0115	N09	E09	03	30.4	1	15	9	9	E	HOLL	7697	
29	AFS	1827E	0115	S16	E18	03	31.1		01	7	7	E	HOLL		
29	AFS	2220E	0115	S15	W48	03	26.3		01	9	9	E	HOLL	7696	

ACTIVE PROMINENCES AND FILAMENTS

MARCH 1994

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
29	AFS	2325E	1008	S16	W48	03	26.3		02	9	9	E	LEAR	7696	
29	AFS	2328E	1008	S16	E16	03	31.2		03	9	9	E	LEAR		
30	ADF	0345E	1008	N29	W08	03	29.5	1	26	0	0	E	LEAR		
30	SSB	0350		145	W06	04	2.5			0	0	E	LEAR		
30	AFS	0659E	1700	S16	W53	03	26.3		02	9	9	E	SVTO	7696	
30	AFS	0701E	1700	S16	E11	03	31.1		02	9	9	E	SVTO		
30	DSD	0702E	1700	S15	E09	03	31.0		01	9	9	E	SVTO		
30	AFS	0704E	1700	S15	W11	03	29.5		02	7	8	E	SVTO	7695	
30	SSB	0715		198	W54	04	7.7			0	0	E	SVTO		
30	BSL	0914E	0920	S24	E90	04	6.3	1-				C	CATA		
30	ADF	1050E	2033	S17	W10	03	29.7	1	05	9	9	E	RAMY	7695	
30	AFS	1055E	2033	S16	E08	03	31.1		02	9	9	E	RAMY		
30	AFS	1104E	2033	S16	W55	03	26.3		02	9	9	E	RAMY	7696	
30	DSF	1104U	1255U	S21	W53	03	26.4	3	04	9	9	E	RAMY	7696	
30	AFS	1110E	2033	S19	E38	04	2.4		01	8	8	E	RAMY		
30	ADF	1207E	1505D	S22	W54	03	26.3	2	10	9	9	E	SVTO	7696	
30	AFS	1326E	1400	S17	W56	03	26.3		01	9	9	E	HOLL	7696	
30	AFS	1332E	1400	S17	W08	03	29.9		01	9	9	E	HOLL		
30	ADF	1607E	2033	N10	E04	03	31.0	1	20	8	9	E	RAMY	7697	
30	DSD	1618E	1940D	S14	E06	03	31.1		03	9	9	E	RAMY		
30	APR	1931E	2033	N28	W89	03	23.8	1		8	9	E	RAMY		
31	AFS	0010E	1005	S15	W62	03	26.3		04	9	9	E	LEAR	7696	
31	SSB	0035		144	W10	04	3.3			0	0	E	LEAR		
31	ASR	0425E	1005	S20	W90	03	24.3			9	8	E	LEAR	7696	
31	AFS	0528E	1658	S16	W01	03	31.1		02	9	9	E	SVTO	7698	
31	APR	0538E	0828D	S16	W90	03	24.4	1		6	4	E	SVTO		
31	ADF	0540E	1005	N11	W04	03	30.9	1	08	6	7	E	LEAR	7697	
31	AFS	0545E	1658	S17	W65	03	26.3		04	9	9	E	SVTO	7696	
31	AFS	0550E	1005	S16	W02	03	31.1		02	8	8	E	LEAR	7698	
31	EPL	0601	0735	S16	W90	03	24.4	3		9	9	E	SVTO		
31	EPL	0629E	0729D	S23	W90	03	24.3	3				C	CATA		
31	EPL	0635E	0650D	S11	W90	03	24.5	3		5	5	E	LEAR		
31	EPL	0717E	0718D	S16	W90	03	24.5	3	34				VALA		
31	EPL	0742E	0805D	S01	W90	03	24.6	1				C	CATA		
31	BSL	0800E	0805D	N39	E90	04	7.6	1-				C	CATA		
31	SSB	0857		145	W16	04	3.8			0	0	E	SVTO		
31	BSL	0956E	1010	N69	E90	04	8.6	1				C	CATA		
31	AFS	1042E	1633D	S16	W04	03	31.1		02	9	9	E	RAMY	7698	
31	ADF	1048E	1656D	N10	W06	03	31.0	1	17	9	9	E	RAMY	7697	
31	AFS	1053E	2041	S16	W26	03	29.5		02	8	8	E	RAMY	7695	
31	DSD	1054E	1637D	S18	W28	03	29.3		02	6	7	E	RAMY	7695	
31	AFS	1058E	2041	S16	W68	03	26.3		02	9	9	E	RAMY	7696	
31	BSL	1100	1110D	N28	E90	04	7.5	1-				C	CATA		
31	AFS	1101E	2041	S19	E24	04	2.3		01	9	9	E	RAMY		
31	DSD	1113E	1313D	S20	E25	04	2.4		01	9	9	E	RAMY		
31	DSD	1130E	1455D	N08	W16	03	30.3		01	9	9	E	SVTO	7697	
31	DSD	1148E	1658	N11	W14	03	30.4		02	9	9	E	SVTO	7697	
31	DSD	1206E	1454D	S15	W06	03	31.0		01	9	9	E	SVTO	7698	
31	ADF	1256E	2041	N00	W25	03	29.7	1	35	7	8	E	RAMY		
31	SSB	1420		191	W65	04	8.7			0	0	E	RAMY		
31	DSD	1517E	1658	S18	E23	04	2.4		01	9	9	E	SVTO		
31	ADF	1625E	2041	S20	W69	03	26.4	1	04	9	9	E	RAMY	7696	
31	AFS	1645E	2041	N11	W49	03	28.0		01	9	9	E	RAMY	7694	
31	SSB	1946		152	W29	04	4.9			0	0	E	PALE		

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."