

JULY 2001 NUMBER 683 - Part II

Solar-Geophysical Data comprehensive reports



Data for January 2001 and Miscellaneous
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NATIONAL ENVIRONMENTAL SATELLITE,
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Number 683

(Issued in Two Parts)

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JANUARY 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
								Region	Day							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0001	LEAR	01	0347	0349	0352	N25	E45	9292	01	4.6	5	SF		3	E		13		F	
0002		01	0735	0735	0742	S09	E13	9289	01	2.3	7	SF					31	0.3	D	
	LEAR	01	0735	0735	0738	S09	E13	9289	01	2.3	3	SF		3	E		30			
	URUM	01	0736E	0736	0746	S09	E13	9289	01	2.3	10D	SF			P		32	0.3	D	
0003		01	09415	0954	1014	S12	W46	9283	12	29.0	33	SF					15			
	KANZ	01	0941	0954	1014	S12	W46	9283	12	29.0	33	SF		2	E					
	LEAR	01	0946	0954	1015D	S11	W46	9283	12	29.0	29D	SF		2	E		15			
		01	1100		1104	No Flare Patrol														
0004	KANZ	01	1231	1231	1236	S09	E10	9289	01	2.3	5	SF			2	E				
0005	RAMY	01	1641	1643	1659	S12	W52	9283	12	28.9	18	SF			3	E		17		F
		01	2110		2252	No Flare Patrol														
		02	1327		1506	No Flare Patrol														
0006	URUM	03	0444	0451	0500	S07	W15	9289	01	2.1	16	SF				C		129	1.4	E
0007	LEAR	03	0931	0933	0940	S03	W16	9289	01	2.2	9	SF			3	E		15		F
		03	1031		1127	No Flare Patrol														
		03	1418		1422	No Flare Patrol														
		03	1503		1517	No Flare Patrol														
0008		03	1802	1802	1812	N30	W52	9290	12	30.8	10	SF						28		F
	HOLL	03	1802	1802	1809	N30	W51	9290	12	30.8	7	SF		3	E			19		F
	RAMY	03	1802	1804	1816	N29	W52	9290	12	30.8	14	SF		3	E			37		F
0009	HOLL	03	1920	1921	1927	N27	E52	9294	01	7.8	7	SF			3	E		25		F
0010		04	12052	1207	1210	N06	E80	9301	01	10.5	5	SF						38		H
	SVTO	04	1205	1207	1210	N05	E80	9301	01	10.5	5	SF		3	E			41		
	RAMY	04	1207	1207	1210	N06	E81	9301	01	10.6	3	SF		3	E			36		H
0011		04	19191	1920	1926	N06	E75	9301	01	10.4	7	SF						33		
	HOLL	04	1919	1920	1926	N06	E76	9301	01	10.5	7	SF		3	E			31		
	RAMY	04	1920	1922	1926	N06	E74	9301	01	10.3	6	SF		3	E			35		
0012		04	2007	2007	2011	S08	W42	9289	01	1.7	4	SF						50		FS
	RAMY	04	2007	2007	2010	S09	W44	9289	01	1.5	3	SF		3	E			51		
	HOLL	04	2007	2007	2012	S08	W41	9289	01	1.8	5	SF		3	E			50		FS
		04	2137		2201	No Flare Patrol														
		04	2216		2241	No Flare Patrol														
0013	LEAR	05	0705	0714	0716	N19	E76	9302	01	11.1	11	SF			3	E		30		F
0014	LEAR	05	0717	0718	0723	N19	E74	9302	01	10.9	6	SF			3	E		20		F
0015	URUM	05	0749E	0749	0759	S09	W43	9289	01	2.1	10D	SF				P		32	0.4	E
0016	LEAR	05	0821	0823	0831	N10	E42	9296	01	8.5	10	SF			3	E		25		
		05	1337		1414	No Flare Patrol														
0017	HOLL	05	1827	1836	1917	N20	E72	9302	01	11.3	50	SF			3	E		197		FH
		05	2055		2140	No Flare Patrol														
		05	2228		2246	No Flare Patrol														
		05	2250		2310	No Flare Patrol														
		05	2351		2400	No Flare Patrol														
		06	0000		0000	No Flare Patrol														
0018	VORO	06	0101	0102	0105	S04	W37	9303	01	3.3	4	SF			3	C	0102	72	0.9	
0019	LEAR	06	0626	0628	0632	N25	E64	9302	01	11.2	6	SF			3	E		10		F

JANUARY 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
						Lat	CMD	Region						Mo	Day	
			06 1345		1421	No Flare Patrol										
0020			06 15021	15225	1556	S11	W68	9291	01	1.5	54	SF			32	
	HOLL		06 1502	1527	1549	S11	W70	9291	01	1.4	47	SF	3	E	29	
	RAMY		06 1503	1522	1602	S11	W67	9291	01	1.6	59	SF	3	E	35	
0021	HOLL		06 1530	1533	1541	N21	E58	9302	01	11.1	11	SF	3	E	42	
			06 1753		1804	No Flare Patrol										
			06 1842		1936	No Flare Patrol										
			06 1956		2400	No Flare Patrol										
			07 0000		0156	No Flare Patrol										
			07 0756		0908	No Flare Patrol										
			07 0958		1133	No Flare Patrol										
0022	LEAR		08 0633	0634	0639	S04	W68	9289	01	3.2	6	SF	3	E	18	
0023	RAMY		08 1359	1359	1404	N10	E62	9306	01	13.2	5	SF	3	E	33	
0024	RAMY		08 1521	1532	1537	N10	E63	9306	01	13.4	16	SF	3	E	40	F
0025	RAMY		08 1609	1610	1614	N09	E61	9306	01	13.2	5	SF	3	E	25	F
			08 2205		2252	No Flare Patrol										
0026	URUM		09 0647	0651	0659	N11	E34	9304	01	11.8	12	SB		C	16	0.2 D
0027	LEAR		09 0648	0650	0657	N10	E50	9306	01	13.0	9	1N	3	E	104	EF
0028			09 10041	1009	1012	N10	E46	9306	01	12.9	8	SF			34	H
	KANZ		09 1004	1009	1013	N11	E46	9306	01	12.9	9	SF	2	E		
	LEAR		09 1005	1009	1012	N10	E47	9306	01	12.9	7	SF	3	E	34	H
0029	KANZ		09 1054	1055	1059	N11	E46	9306	01	12.9	5	SF	2	E		
0030	KANZ		09 1204	1205	1214U	N11	E46	9306	01	13.0	10U	SF	2	E		
0031	RAMY		09 1331	1331	1345	N09	E53	9306	01	13.5	14	SF	3	E	11	F
0032	RAMY		09 1703	1705	1712	N27	W16	9295A	01	8.5	9	SF	3	E	12	
			09 1719		2058	No Flare Patrol										
0033	LEAR		10 0034	0058	0138	N13	E36	9306	01	12.7	64	1N	3	E	245	F
0034	LEAR		10 0208	0209	0212	N11	E41	9306	01	13.2	4	SF	3	E	11	
0035	KANZ		10 0913	0916	0924	N25	W26		01	8.4	11	SF	2	E		
0036	KANZ		10 0950	0951	0956	N12	E45	9306	01	13.8	6	SF	2	E		
0037	KANZ		10 1005	1006	1012	N10	E24	9304	01	12.2	7	SF	2	E		
0038			10 1015	1015	1025	N18	E06	9302	01	10.9	10	1N			103	H
	SVTO		10 1015	1015	1023	N19	E06	9302	01	10.9	8	1N	3	E	103	H
	KANZ		10 1015	1015	1027	N18	E05	9302	01	10.8	12	1F	2	E		
0039	LEAR		10 1018E	1022U	1032D	N17	E08	9302	01	11.0	14D	1N	1	E	110	F
0040	KANZ		10 1016	1016	1030	N18	W03	9302	01	10.2	14	SF	2	E		
			10 1146		1159	No Flare Patrol										
0041	RAMY		10 1419	1419	1423	N10	E38	9306	01	13.4	4	SF	3	E	22	
			10 1646		1704	No Flare Patrol										
			10 1743		1754	No Flare Patrol										
0042	RAMY		10 1803	1804	1813	N17	E02	9302	01	10.9	10	SN	3	E	48	H

6
Jan 01

H α SOLAR FLARES

JANUARY 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0043	RAMY	10	1946	1947	1950	N09	E35	9306	01	13.4	4	SF		3	E		13		
0044	LEAR	11	0016	0016	0022	N10	W01	9301	01	10.9	6	SF		3	E		14		F
0045	LEAR	11	0212	0212	0217	N13	E51	9308	01	14.9	5	SF		3	E		17		
			11 1456		1505														No Flare Patrol
			11 1519		1624														No Flare Patrol
0046	HOLL	11	2154	2155	2158	N11	E17	9306	01	13.2	4	SF		3	E		20		
0047	LEAR	12	0003	0004	0015	N14	E39	9308	01	14.9	12	SF		2	E		18		F
0048	LEAR	12	0041	0045	0049	N18	W15	9302	01	10.9	8	SF		2	E		12		F
0049	URUM	12	0554E	0554	0555D	N12	E13	9306	01	13.2	1D	SF			P		80	0.9	E
0050	URUM	12	0810E	0810	0821	N12	E10	9306	01	13.1	11D	SF			P		64	0.7	E
			12 0846		0903														No Flare Patrol
0051	KANZ	12	0915	0916	0920	N11	E11	9306	01	13.2	5	SF		2	E				
0052	KANZ	12	0933	0933	0940D	N09	W21	9309	01	10.8	7D	SF		2	E				
0053	RAMY	12	1355	1357	1429	S13	W51	9295	01	8.7	34	SF		3	E		35		
			12 1429		1433														No Flare Patrol
			12 1447		1448														No Flare Patrol
			12 1457		1514														No Flare Patrol
			12 1520		1531														No Flare Patrol
			13 0025		0101														No Flare Patrol
			13 0224		0300														No Flare Patrol
0054	URUM	13	0602	0606	0606D	N09	W03	9306	01	13.0	4D	SF			P		32	0.3	E
			13 0958		1213														No Flare Patrol
0055	RAMY	13	1356	1356	1400	N18	W36	9302	01	10.8	4	SF		4	E		15		F
0056		13	1657	1658	1702	N18	W36	9302	01	11.0	5	SF					29		
	HOLL	13	1657	1658	1701	N18	W37	9302	01	10.9	4	SF		3	E		25		
	RAMY	13	1657	1658	1703	N17	W36	9302	01	11.0	6	SF		3	E		33		
0057		13	19431	19461	1953	N12	W12	9306	01	12.9	10	SF					35		F
	RAMY	13	1943	1947	1954	N11	W12	9306	01	12.9	11	SF		3	E		46		F
	HOLL	13	1944	1946	1952	N12	W11	9306	01	13.0	8	SF		3	E		24		F
0058	RAMY	13	1956	1957	2000	N11	W09	9306	01	13.1	4	SF		3	E		24		
0059	RAMY	13	2011	2012	2031	N13	E13	9308	01	14.8	20	SF		3	E		14		F
			14 0026		0040														No Flare Patrol
0060		14	02493	02502	0300	N10	W18	9306	01	12.8	11	SN					74	0.7	EF
	LEAR	14	0249	0250	0306	N10	W17	9306	01	12.8	17	SF		4	E		90		F
	MITK	14	0252	0252	0253	N11	W18	9306	01	12.8	1	SN			C	0252	59	0.7	E
0061	LEAR	14	0435	0442	0446	N08	W74	9296	01	8.6	11	SF		3	E		17		
0062	KANZ	14	1025	1029	1034D	N10	W23	9306	01	12.7	9D	SF		2	E				
0063	KANZ	14	1031	1033	1034D	N14	W14	9306	01	13.4	3D	SF		2	E				
0064	RAMY	14	1556	1558	1605	N14	W19	9306	01	13.2	9	SF		3	E		53		
0065	LEAR	15	0103	0106	0116	N12	W29	9306	01	12.8	13	SF		4	E		29		
0066	URUM	15	0347	0351	0355	N13	W37	9306	01	12.4	8	SF			C		32	0.4	E

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JANUARY 2001

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
							USAF Region	CMP Mo Day						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0067		15 0850*	09022	0908	N12	W34	9306	01	12.8	18	SF			16	0.2	D		
	URUM	15 0850	0902	0910	N13	W34	9306	01	12.8	20	SF		C	16	0.2	D		
	LEAR	15 0902	0904	0907	N11	W34	9306	01	12.8	5	SF	3	E	15				
0068	KANZ	15 1133	1135	1137	N11	W35	9306	01	12.8	4	SF		2	E				
0069	KANZ	15 1307	1309	1327	N11	W35	9306	01	12.9	20	SF		2	E				
		15 1405		1421	No Flare Patrol													
		15 1424		1455	No Flare Patrol													
		15 1549		1604	No Flare Patrol													
0070	HOLL	15 1602	1602	1618	N12	W37	9306	01	12.9	16	SF		3	E	88	F		
0071	HOLL	15 1846	1848	1854	N13	W37	9306	01	13.0	8	SF		3	E	13	F		
		15 1930		2214	No Flare Patrol													
		15 2238		2400	No Flare Patrol													
		16 0000		0059	No Flare Patrol													
		16 0122		0124	No Flare Patrol													
0072	LEAR	16 0608	0609	0619	N12	W44	9306	01	12.9	11	SF		4	E	41	F		
		16 0729		0752	No Flare Patrol													
		16 0757		0832	No Flare Patrol													
		16 0846		0852	No Flare Patrol													
		16 1012		1203	No Flare Patrol													
		16 1225		1601	No Flare Patrol													
		16 2145		2156	No Flare Patrol													
0073	LEAR	17 0303	0305	0310	N12	W56	9306	01	12.9	7	SF		3	E	34	F		
0074	LEAR	17 0351	0351	0356	N14	W53	9306	01	13.1	5	SF		3	E	22	F		
0075		17 11321	1134	1136	N10	W66	9304	01	12.5	4	SF				13			
	KANZ	17 1132	1134	1136	N07	W66	9304	01	12.5	4	SF		2	E				
	SVTO	17 1133	1134	1137	N12	W66	9304	01	12.5	4	SF		3	E	13			
		17 1456		1700	No Flare Patrol													
		17 1738		1747	No Flare Patrol													
0076	RAMY	17 2047	2051	2057	N16	W64	9306	01	13.0	10	SF		3	E	41			
		17 2145		2400	No Flare Patrol													
		18 0000		0033	No Flare Patrol													
		18 0555		0717	No Flare Patrol													
		18 0829		0954	No Flare Patrol													
		18 1532		1621	No Flare Patrol													
		18 2048		2400	No Flare Patrol													
		19 0000		0010	No Flare Patrol													
		19 0031		0051	No Flare Patrol													
		0077	LEAR	19 0310	0311	0314	N05	W59	9306	01	14.7	4	SF		3	E	24	
		0078	LEAR	19 0317	0317	0319	N05	W60	9306	01	14.6	2	SF		3	E	19	
19 0850				0855	No Flare Patrol													
19 0900				0905	No Flare Patrol													
0079	KANZ	19 1103	1103	1104	S08	E58	9313	01	23.8	1	SF		2	E				
		19 1108		1257	No Flare Patrol													
0080	HOLL	19 1639	1640	1643	S06	E62	9313	01	24.3	4	SF		3	E	14	FS		
0081	HOLL	19 1644	1651	1654	S06	E62	9313	01	24.3	10	SF		3	E	14	F		
0082	HOLL	19 1655	1706	1710	S05	E62	9313	01	24.3	15	SF		3	E	26			

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H α S O L A R F L A R E S

JANUARY 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
						Lat	Cmd	Region						Mo	Day	Time (UT)	
0083		19	17148	17263	1807	S06	E61	9313	01	24.3	53	SF			28		F
	RAMY	19	1714	1726	1807	S07	E61	9313	01	24.3	53	SF	3	E	23		F
	HOLL	19	1722	1729	1807	S06	E61	9313	01	24.3	45	SF	3	E	33		F
0084	HOLL	19	1933	1934	1937	S07	E61	9313	01	24.4	4	SF	3	E	20		
		19	2353		2355	No Flare Patrol											
		20	0014		0405	No Flare Patrol											
		20	0526		0808	No Flare Patrol											
		20	0830		0834	No Flare Patrol											
		20	0846		1106	No Flare Patrol											
		20	1433		1456	No Flare Patrol											
		20	1708		1838	No Flare Patrol											
0085		20	1834E	1844U	1950	S08	E41	9313	01	23.8	76D	2F			306		FU
	RAMY	20	1834E	1844U	1938	S08	E42	9313	01	23.9	64D	1F	3	E	226		U
	HOLL	20	1840E	1853U	2002	S07	E40	9313	01	23.8	82D	2F	3	E	386		F
0086		20	2108	2119	2226	S07	E46	9313	01	24.3	78	2B			414		FU
	HOLL	20	2108	2119	2226	S07	E46	9313	01	24.3	78	2B	3	E	434		UF
	RAMY	20	2120E	2120U	2132D	S07	E47	9313	01	24.4	12D	2N	3	E	395		U
		21	0016		0059	No Flare Patrol											
		21	0111		0122	No Flare Patrol											
		21	0201		0539	No Flare Patrol											
		21	0550		0600	No Flare Patrol											
		21	0640		0644	No Flare Patrol											
		21	1050		1111	No Flare Patrol											
		21	1114		1233	No Flare Patrol											
0087	RAMY	21	1450	1450	1454	S19	W37	9319	01	18.8	4	SF	4	E	13		H
0088		21	19191	1923	1951	S08	E36	9313	01	24.5	32	SF			60		FSU
	HOLL	21	1919	1923	1956	S08	E36	9313	01	24.5	37	SF	3	E	71		UF
	RAMY	21	1920	1923	1946	S09	E37	9313	01	24.6	26	SF	3	E	50		S
0089		21	2114	21172	2126	N06	W32	9311	01	19.5	12	SF			30		EF
	RAMY	21	2114	2117	2122	N06	W32	9311	01	19.5	8	SF	3	E	23		E
	HOLL	21	2114	2119	2130	N05	W33	9311	01	19.4	16	SF	3	E	37		F
0090	HOLL	21	2235	2238	2254	S09	E27	9313	01	24.0	19	SF	3	E	15		F
0091	HOLL	21	2245	2245	2251	N06	W34	9311	01	19.4	6	SF	3	E	13		F
0092	HOLL	21	2254	2256	2303	N06	W35	9311	01	19.3	9	SF	3	E	16		F
0093		21	2307	23116	2338	N05	W33	9311	01	19.5	31	SF			52		F
	HOLL	21	2307	2311	2338	N05	W32	9311	01	19.6	31	SF	3	E	42		F
	LEAR	21	2308E	2317	2337	N05	W34	9311	01	19.4	29D	SF	3	E	62		
		22	0103		0259	No Flare Patrol											
0094	LEAR	22	0542	0545	0550	N07	W38	9311	01	19.4	8	SF	3	E	13		F
0095	LEAR	22	0642	0646	0707	S05	E24	9313	01	24.1	25	SF	3	E	62		F
0096	LEAR	22	0934	0935	0942	N06	W39	9311	01	19.5	8	SF	3	E	18		
		22	1026		1112	No Flare Patrol											
		22	1119		1141	No Flare Patrol											
		22	1253		1527	No Flare Patrol											
		22	1604		1607	No Flare Patrol											
		22	2034		2055	No Flare Patrol											
		22	2104		2304	No Flare Patrol											
		22	2322		2400	No Flare Patrol											
0097	LEAR	23	0443	0444	0449	S06	E13	9313	01	24.2	6	SF	3	E	13		
0098	LEAR	23	0936	0936	0940	S06	E49	9321	01	27.1	4	SF	3	E	16		

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H α SOLAR FLARES

JANUARY 2001

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks	
												Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
		26 0143		0203			No Flare Patrol									
0125	LEAR	26 0558	0607	0630	N10	E63	9325	01 31.0	32	1B	3	E		163		
0126	LEAR	26 0853	0853	0907	S07	W28	9313	01 24.3	14	SF	3	E		11		
		26 1055		1137			No Flare Patrol									
0127	RAMY	26 1153E	1154U	1219	S27	W57	9320	01 22.0	26D	1F	3	E		149		
0128	RAMY	26 1220	1222	1226	S23	W57	9320	01 22.1	6	SF	3	E		11		
0129	RAMY	26 1424	1425	1429	S04	W32	9313	01 24.2	5	SF	3	E		16	U	
0130		26 1454I	1458	1504	S27	W35	9323	01 23.9	10	SF				18	FHU	
	RAMY	26 1454	1458	1505	S27	W35	9323	01 23.9	11	SF	3	E		20	UH	
	HOLL	26 1455	1458	1502	S27	W35	9323	01 23.9	7	SF	3	E		17	F	
0131	HOLL	26 2010	2012	2017	S05	W35	9313	01 24.2	7	SF	3	E		51	F	
		26 2224		2304			No Flare Patrol									
		26 2310		2319			No Flare Patrol									
		27 0003		0037			No Flare Patrol									
0132	LEAR	27 0555	0555	0604	N11	E48	9325	01 30.8	9	SF	3	E		12	F	
0133	LEAR	27 0746	0747	0800	S05	W04	9321	01 27.0	14	SF	3	E		17	FH	
		27 1257		1317			No Flare Patrol									
		27 1359		1502			No Flare Patrol									
		27 1516		2250			No Flare Patrol									
0134	LEAR	28 0026	0028	0040	S05	W49	9313	01 24.3	14	SF	4	E		28		
0135	LEAR	28 0458	0459	0515	S12	E76	9329	02 2.9	17	SF	3	E		38	F	
0136		28 0711	0711E	0714	S04	W18	9321	01 26.9	3	SF				28	0.3	
	LEAR	28 0711	0711	0714	S04	W16	9321	01 27.1	3	SF	3	E		24	F	
	URUM	28 0717E	0717	0717D	S04	W19	9321	01 26.9	3D	SF		P		32	0.3	
0137	LEAR	28 0727	0727	0735	N11	E31	9325	01 30.6	8	SF	2	E		17		
		28 1027		1117			No Flare Patrol									
		28 1140		1145			No Flare Patrol									
		28 1333		1336			No Flare Patrol									
		28 1401		1406			No Flare Patrol									
		28 1439		1440			No Flare Patrol									
		28 1444		1451			No Flare Patrol									
		28 1459		1506			No Flare Patrol									
0138	RAMY	28 1508	1546	1730	S04	W59	9313	01 24.2	142	1N	3	E		187	FH	
0139	RAMY	28 1714	1716	1727	S05	W23	9321	01 27.0	13	SF	3	E		21		
		28 1818		1843			No Flare Patrol									
0140	RAMY	28 1846	1846U	2016D	S14	E67	9329	02 2.8	90D	SF	3	E		14		
		28 1848		2201			No Flare Patrol									
0141	LEAR	29 0422	0423	0448	S10	E60	9329	02 2.7	26	SF	4	E		70	F	
		29 1033		1503			No Flare Patrol									
		29 1511		1532			No Flare Patrol									
0142	HOLL	29 1525E	1539U	1604	S09	E57	9329	02 2.9	39D	SF	3	E		47	FH	
		29 1902		1913			No Flare Patrol									
		29 2048		2114			No Flare Patrol									
		29 2132		2143			No Flare Patrol									

JANUARY 2001

Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
							Region	Mo Day							Apparent (10-6 Disk)	Corr (Sq Deg)	
		29	2148	2154			No Flare Patrol										
0143	LEAR	30	0605	0611	N24	E78	9330	02	5.3	8	SF	3	E		24		
0144	URUM	30	0644	0648	N07	E31	9332	02	1.6	8	SF		C		32	0.4	D
		30	1028	1117			No Flare Patrol										
		30	1138	1226			No Flare Patrol										
		30	1232	1250			No Flare Patrol										
0145	RAMY	30	1432	1433U	S04	W48	9321	01	27.0	15	SF	3	E		23		
		30	1435	1440			No Flare Patrol										
0146	RAMY	30	1903	1904	N23	E74	9330	02	5.5	3	SF	3	E		23		
		31	0204	0329			No Flare Patrol										
0147	URUM	31	0624E	0624	S01	E18	9327B	02	1.6	3D	SF		P		32	0.3	D
		31	0931	0950			No Flare Patrol										
		31	1013	1058			No Flare Patrol										
		31	2322	2326			No Flare Patrol										
		31	2341	2400			No Flare Patrol										

"Remarks"

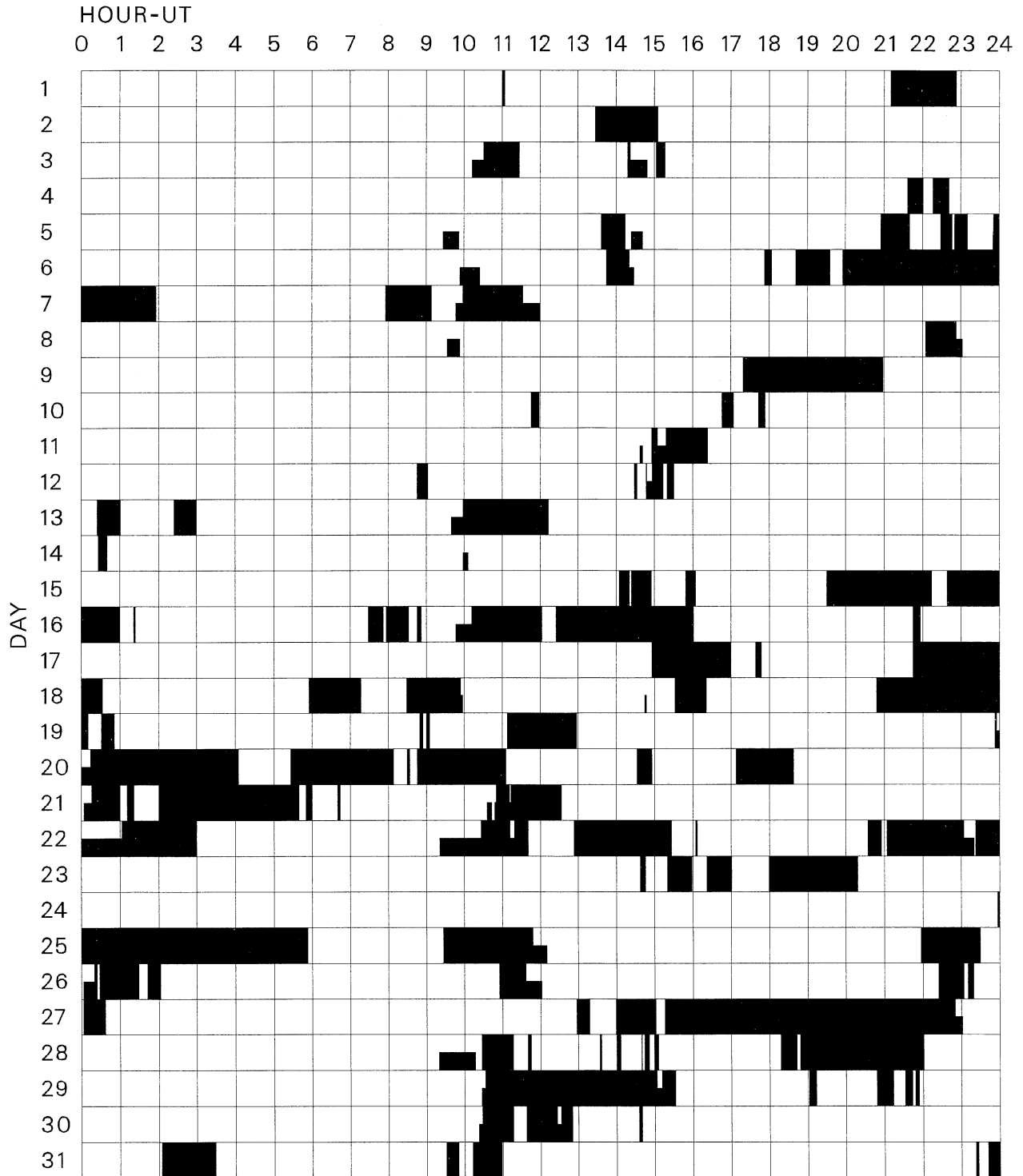
- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>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.</p> | <p>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.</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

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Jan 01

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

JANUARY 2001

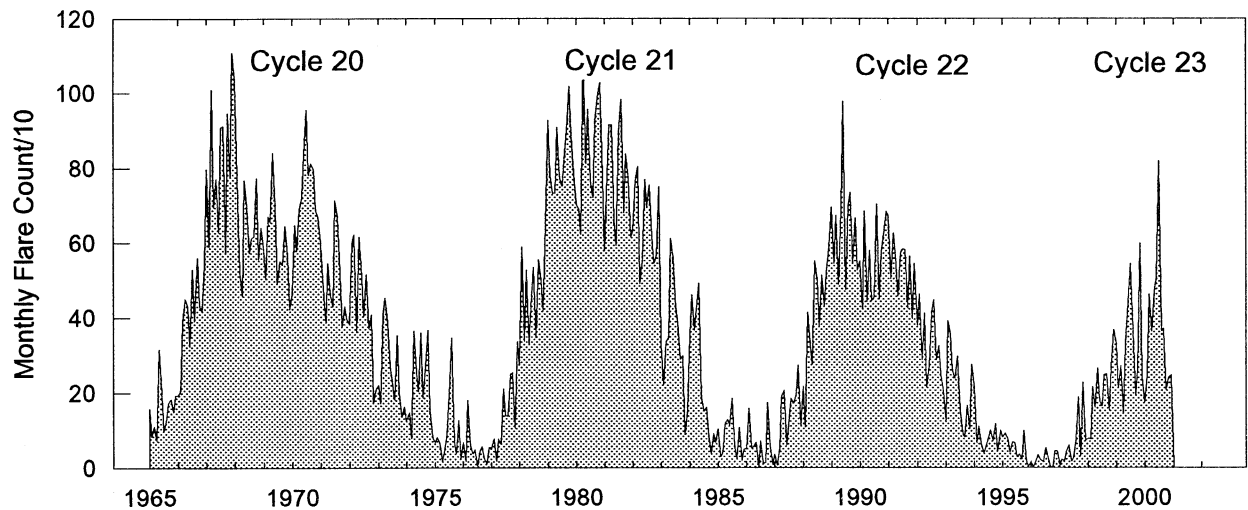


Times of no flare patrol, shown here as shades areas, combine reports from the stations listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind (neither visual or cinematographic): portions of a panel with only the bottom half shaded mark times of only visual patrol.

Holloman	Urumqi	Learmonth	Ramey	San Vito
Kanzelhoehe	Mitaka			

Monthly Counts of Grouped Solar Flares

Jan 1965 - Jan 2001



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	60	40	56	81	101	72	117	45	99	1066
1995	82	95	77	42	69	66	29	37	23	99	14	6	639
1996	14	3	15	34	21	16	54	31	3	0	44	45	280
1997	8	22	18	43	59	18	26	75	188	31	228	74	790
1998	78	76	216	161	264	177	164	248	249	155	268	367	2423
1999	330	212	271	145	330	466	544	368	192	264	598	243	3963
2000	175	248	462	362	473	505	818	364	372	208	241	246	4474
2001	147												147

The term 'grouped' means observations of the same event by different sites were 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

JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
01	245	LEAR	43 NS	0322.0	0334.0	158.0	68.0			QL=4 ST=2 TYP=1	
	204	IZMI	44 NS	0700.0E		124.0D		5.0			
	127	TORN	44 NS	0820.0E		340.0D		2.0		V=0,DISTURBED	
	280	CUBA	44 NS	1350.0E		480.0D		75.0			
	235	CUBA	44 NS	1350.0E		480.0D		20.0			
	2804	VORO	20 GRF		0015.0		38.5	7.3			
	245	PALE	8 S	0339.0	0339.0		U	52.0			QL=4 ST=2 TYP=3
	2840	PEKG	1 S	0732.0	0734.8	6.0		8.1			
	204	IZMI	7 C	0837.8	0837.9	0.3		51.0			
	245	SGMR	8 S	1612.0	1612.0	1.0		75.0			QL=4 ST=3 TYP=3
	6700	CUBA	21 GRF	1634.0	1657.0	70.0		12.0	6.0		7R
	6700	CUBA	2 S/F	1653.8	1654.0	1.2		10.0	5.0		36R
	245	SGMR	8 S	1954.0	1954.0	1.0		120.0			QL=4 ST=3 TYP=3
	245	SGMR	8 S	2003.0	2004.0	2.0		64.0			QL=4 ST=3 TYP=3
02	245	PALE	43 NS	0058.0	0100.0	12.0	88.0			QL=4 ST=2 TYP=1	
	204	IZMI	43 NS	0831.0		64.0		10.0			
	280	CUBA	44 NS	1300.0E		530.0D		81.0			
	235	CUBA	44 NS	1300.0E		530.0D		17.0			
	245	PALE	4 S/F	0050.0	0053.0	3.0	120.0			QL=4 ST=2 TYP=3	
	200	HIRA	42 SER	0535.0	0539.0	10.0		60.0			
	245	LEAR	8 S	0538.0	0538.0		U	70.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0646.0	0646.0	2.0		110.0			
	204	IZMI	42 SER	0646.0	0647.0	2.2		48.0			
	245	LEAR	8 S	0646.0	0646.0		U	94.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0807.9	0809.6	7.3		37.0			
6700	CUBA	20 GRF	1807.0	1913.0	202.0		13.0	6.0		OR	
03	204	IZMI	43 NS	1138.0		22.0U		5.0			
	235	CUBA	44 NS	1300.0E		530.0D		17.0			
	280	CUBA	44 NS	1300.0E		530.0D		82.0			
	245	SGMR	43 NS	1721.0	1804.0	44.0		67.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	1731.0	1731.0	127.0		77.0			QL=4 ST=2 TYP=1
	200	HIRA	42 SER	0212.0	0223.0	11.0		230.0			
	245	LEAR	4 S/F	0221.0	0222.0	3.0		93.0			QL=4 ST=2 TYP=3
	245	PALE	4 S/F	0221.0	0222.0	3.0		140.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0407.0	0408.0	1.0		50.0			
	245	LEAR	4 S/F	0647.0	0648.0	4.0		70.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0719.5	0720.0	2.3		95.0			
	204	IZMI	7 C	0738.1	0738.1	0.2		17.0			
	2950	GORK	2 S/F	1039.0	1040.2	4.9		13.0			
	3000	IZMI	20 GRF	1039.2	1040.2	2.6		14.0	8.0		
	410	SVTO	8 S	1146.0	1146.0		U	53.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1157.6	1158.5	21.0		69.0			
	245	SVTO	8 S	1158.0	1158.0		U	470.0			QL=4 ST=2 TYP=3
	127	TORN	47 GB	1158.1	1158.7	2.1		510.0	90.0		
	245	SVTO	8 S	1227.0	1229.0	2.0		67.0			QL=4 ST=2 TYP=3
	33	UPIC	42 SER	1229.0	1229.5	7.5					
	127	TORN	46 C	1353.3	1354.0	2.7		190.0	70.0		
	245	SVTO	8 S	1356.0	1356.0		U	57.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1359.0	1359.0	1.0		49.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1423.0	1424.0	2.0		97.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1424.0	1424.0		U	82.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1508.0	1509.0	2.0		77.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1508.0	1509.0	1.0		100.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1540.0	1540.0		U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1614.0	1615.0	1.0		53.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1627.0	1629.0	2.0		53.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1659.0	1659.0		U	61.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	1711.0	1712.0	1.0		50.0			QL=4 ST=2 TYP=3	
2695	LEAR	4 S/F	2345.0	2348.0	5.0		50.0			QL=4 ST=2 TYP=3	
4995	LEAR	4 S/F	2345.0	2347.0	5.0		58.0			QL=4 ST=2 TYP=3	
2695	PALE	4 S/F	2346.0	2348.0	9.0		48.0			QL=4 ST=2 TYP=3	
8800	LEAR	8 S	2347.0	2347.0	1.0		41.0			QL=4 ST=2 TYP=3	
4995	PALE	8 S	2347.0	2347.0	1.0		31.0			QL=4 ST=2 TYP=3	
04	280	CUBA	44 NS	1320.0E		500.0D		71.0			
	235	CUBA	44 NS	1330.0E		500.0D		15.0			
	200	HIRA	4 S/F	0112.0	0115.0	5.0		50.0			

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

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Jan 01

JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
04	245	SVTO	8 S	0813.0	0813.0	2.0	93.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0814.0	0815.0	1.0	31.0			QL=4 ST=2 TYP=3
	2950	GORK	20 GRF	0851.1	0852.7	114.9	12.0			
	3000	IZMI	20 GRF	0851.4	0852.6	3.1	10.0	5.0		
	245	SVTO	8 S	1129.0	1130.0	1.0	79.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	1129.7	1129.9	1.1	235.0			
	204	IZMI	42 SER	1131.6	1131.8	0.7	39.0			
	245	SGMR	8 S	1319.0	1320.0	1.0	170.0			QL=4 ST=3 TYP=3
	245	SVTO	8 S	1320.0	1320.0	U	130.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1628.0	1628.0	U	150.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1656.0	1656.0	U	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1727.0	1727.0	1.0	57.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	1907.0	1912.0	25.0U	16.0			
	610	PALE	8 S	1911.0	1911.0	1.0	96.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1911.0	1911.0	U	86.0			QL=4 ST=2 TYP=3
	9600	CUBA	2 S/F	1911.5	1911.8	1.5	6.0	3.0		
	6700	CUBA	2 S/F	1911.6	1912.4	2.2	11.0	5.0		7L
	245	SGMR	8 S	2006.0	2007.0	2.0	190.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	2006.0	2007.0	2.0	95.0			QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	2006.2	2007.2	3.8	61.0	30.0		0L
	8800	PALE	8 S	2007.0	2007.0	U	81.0			QL=4 ST=2 TYP=3
4995	PALE	8 S	2007.0	2007.0	U	36.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2007.0	2007.0	U	250.0			QL=4 ST=2 TYP=3	
4995	SGMR	8 S	2007.0	2007.0	1.0	36.0			QL=4 ST=2 TYP=3	
05	235	CUBA	44 NS	1300.0E		530.0D		14.0		
	280	CUBA	44 NS	1300.0E		530.0D		72.0		
	2840	PEKG	1 S	0057.0	0100.9	6.0	5.6			
	2804	VORO	2 S/F	0100.0	0100.7	2.5	6.8			
	2804	VORO	29 PBI	0102.5	0120.0	72.5	5.3			
	200	HIRA	8 S	0423.0	0426.0	3.0	80.0			0
	204	IZMI	42 SER	0739.0	0747.8	10.6	77.0			
	2950	GORK	1 S	0747.2	0747.8	3.2	4.3			
	245	LEAR	8 S	0749.0	0749.0	U	57.0			QL=4 ST=2 TYP=3
	2950	GORK	1 S	0801.4	0803.6	2.6	4.3			
	245	LEAR	8 S	0805.0	0805.0	1.0	78.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0805.8	0806.8	1.1	11.0			
	204	IZMI	42 SER	0809.1	0809.5	0.9	72.0			
	2950	GORK	1 S	0853.4	0908.1	14.7	8.5			
	204	IZMI	46 C	1012.0	1013.7	2.6	164.0			
	410	SVTO	8 S	1013.0	1013.0	U	88.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1013.0	1013.0	1.0	30.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1026.0	1027.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1047.0	1048.0	2.0	99.0			QL=4 ST=3 TYP=3
	410	SVTO	8 S	1049.0	1049.0	U	100.0			QL=4 ST=2 TYP=3
33	UPIC	45 C	1145.5	1146.0	1.5					
610	SVTO	8 S	1148.0	1148.0	1.0	110.0			QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	1831.0E	1831.0	38.0U					
06	204	IZMI	43 NS	0718.0		99.0		5.0		
	127	TORN	43 NS	1030.0		22.0		8.0		V=1
	280	CUBA	44 NS	1400.0E		470.0D		93.0		
	235	CUBA	44 NS	1400.0E		470.0D		23.0		
	2804	VORO	3 S	0414.8	0416.4	3.7	3.9			
	204	IZMI	42 SER	0737.1	0756.9	29.4	141.0			
	204	IZMI	25 R	0957.0		117.0D		72.0		
	245	SVTO	8 S	1000.0	1001.0	1.0	66.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1357.0	1357.0	1.0	69.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1357.0	1357.0	1.0	66.0			QL=4 ST=2 TYP=3
	127	TORN	4 S/F	1358.0	1358.7	1.4	960.0	310.0		
	2695	PALE	4 S/F	1757.0	1802.0	11.0	31.0			QL=4 ST=2 TYP=3
	2695	PALE	46 C	1757.0	1802.0	11.0	31.0			QL=4 ST=2 TYP=8
	245	PALE	8 S	1808.0	1808.0	U	73.0			QL=4 ST=2 TYP=3
	245	PALE	48 C	1808.0	1808.0	U	73.0			QL=4 ST=2 TYP=8
	245	SGMR	8 S	1808.0	1808.0	U	63.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	2247.0	2247.0	2.0	120.0			0
	245	LEAR	8 S	2247.0	2247.0	U	140.0			QL=4 ST=2 TYP=3
	2804	VORO	20 GRF	2334.0	2412.0	126.0	8.8			

S O L A R R A D I O E M I S S I O N
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JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
07	127	TORN	44 NS	0700.0E		430.0D		20.0		V=2
	204	IZMI	43 NS	1047.0		167.0D		10.0		
	280	CUBA	44 NS	1323.0E		507.0D		85.0		
	235	CUBA	44 NS	1323.0E		507.0D		16.0		
	2804	VORO	21 GRF	0430.0	0443.4	35.0		8.2		
	204	IZMI	41 F	0711.4	0711.9	5.3		160.0		
	3000	IZMI	7 C	0834.4	0836.4	2.5		19.0	5.0	
	9100	GORK	1 S	0835.4	0836.1	1.8		12.0		
	2950	GORK	1 S	0835.4	0836.3	1.6		13.0		
	600	GORK	46 C	0835.5	0836.1			29.0		
	600	GORK	46 C	0835.5	0835.9	1.7		51.0		
	9100	GORK	24 R	0930.0	1100.0U	90.0D		15.0		
	245	SVTO	8 S	1140.0	1140.0	1.0		110.0		QL=4 ST=2 TYP=3
	204	IZMI	45 C	1140.5	1140.6	0.6		188.0		
	245	SGMR	8 S	1336.0	1336.0	1.0		73.0		QL=4 ST=3 TYP=3
	245	SVTO	8 S	1336.0	1336.0	1.0		75.0		QL=4 ST=2 TYP=3
	245	SGMR	8 S	1439.0	1439.0	1.0		55.0		QL=4 ST=3 TYP=3
	245	SVTO	8 S	1439.0	1439.0	1.0		56.0		QL=4 ST=2 TYP=3
	245	SGMR	8 S	1525.0	1526.0	1.0		70.0		QL=4 ST=2 TYP=3
	245	SGMR	8 S	1651.0	1652.0	1.0		62.0		QL=4 ST=2 TYP=3
245	SGMR	8 S	1937.0	1939.0	2.0		83.0		QL=4 ST=2 TYP=3	
245	PALE	8 S	2033.0	2034.0	1.0		390.0		QL=4 ST=2 TYP=3	
245	SGMR	8 S	2034.0	2034.0		U	190.0		QL=4 ST=2 TYP=3	
08	245	SVTO	43 NS	0648.0	0833.0	150.0		110.0		QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0649.0	0651.0	207.0		89.0		QL=4 ST=2 TYP=1
	204	IZMI	44 NS	0700.0E		300.0D		2.0		
	127	TORN	44 NS	1200.0E		130.0D		15.0		V=2
	280	CUBA	44 NS	1300.0E		530.0D		78.0		
	235	CUBA	44 NS	1300.0E		530.0D		13.0		
	245	LEAR	8 S	0018.0	0018.0	1.0		65.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0032.0	0032.0	1.0		89.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0117.0	0118.0	1.0		53.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0136.0	0136.0	1.0		62.0		QL=4 ST=2 TYP=3
	245	PALE	8 S	0136.0	0137.0	2.0		60.0		QL=4 ST=2 TYP=3
	245	PALE	8 S	0148.0	0149.0	1.0		70.0		QL=4 ST=2 TYP=3
	245	PALE	8 S	0152.0	0154.0	2.0		140.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0153.0	0154.0	1.0		150.0		QL=4 ST=2 TYP=3
	2804	VORO	21 GRF	0320.0	0324.0	50.0		7.0		
	410	SVTO	8 S	0804.0	0804.0		U	58.0		QL=4 ST=2 TYP=3
	3000	IZMI	45 C	1040.6	1052.2	16.8		42.0	1.0	
	610	SGMR	4 S/F	1312.0	1313.0	3.0		350.0		QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1312.0	1313.0	3.0		210.0		QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1312.0	1313.0	3.0		590.0		QL=4 ST=2 TYP=6
	1415	SVTO	8 S	1312.0	1313.0	1.0		220.0		QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1313.0	1313.0	2.0		770.0		QL=4 ST=2 TYP=6
	410	SGMR	8 S	1340.0	1340.0		U	66.0		QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1503.0	1503.0	2.0		72.0		QL=4 ST=2 TYP=3
	610	SGMR	8 S	1503.0	1503.0	2.0		48.0		QL=4 ST=2 TYP=3
	245	SGMR	8 S	1503.0	1503.0	2.0		460.0		QL=4 ST=2 TYP=3
410	SGMR	49 GB	1503.0	1503.0	2.0		1200.0		QL=4 ST=2 TYP=6	
1415	SVTO	8 S	1503.0	1503.0	1.0		98.0		QL=4 ST=2 TYP=3	
6700	CUBA	1 S	2042.3	2043.0	1.7		8.0	4.0	OL	
09	235	CUBA	44 NS	1430.0E		440.0D		5.0		
	280	CUBA	44 NS	1430.0E		440.0D		65.0		
	410	LEAR	4 S/F	0016.0	0020.0	8.0		53.0		QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0017.0	0019.0	4.0		42.0		QL=4 ST=2 TYP=3
	2804	VORO	2 S/F	0017.5	0019.5	2.5		8.0		
	610	SVTO	4 S/F	0647.0	0650.0	7.0		93.0		QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0647.0	0648.0	2.0		27.0		QL=2 ST=2 TYP=3
	410	SVTO	4 S/F	0647.0	0648.0	7.0		62.0		QL=4 ST=2 TYP=3
	2840	PEKG	45 C	0647.0	0648.5	5.0		43.7		
	500	HIRA	8 S	0648.0	0650.0	3.0		70.0		0
	610	LEAR	8 S	0648.0	0649.0	2.0		120.0		QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0648.0	0648.0		U	21.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0648.0	0648.0		U	73.0		QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0648.0	0648.0		U	17.0		QL=2 ST=2 TYP=3
	2695	SVTO	8 S	0648.0	0648.0	1.0		32.0		QL=2 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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JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
09	204	IZMI	42 SER	1011.3	1011.3	0.5	56.0			
	245	SVTO	8 S	1047.0	1047.0	1.0	68.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1127.0	1127.0	1.0	120.0			QL=4 ST=3 TYP=3
	410	SVTO	8 S	1153.0	1154.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1207.0	1208.0	1.0	110.0			QL=4 ST=2 TYP=3
	9500	CUBA	20 GRF	1534.0	1546.0	273.0	32.0	16.0		
10	280	CUBA	44 NS	1300.0E		530.0D		161.0		
	235	CUBA	44 NS	1300.0E		530.0D		38.0		
	2800	HIRA	1 S	0022.0	0042.0	29.0	40.0			0
	500	HIRA	7 C	0024.0	0046.0	30.0	30.0			0
	1415	LEAR	4 S/F	0029.0	0030.0	5.0	78.0			QL=4 ST=2 TYP=3
	1415	PALE	4 S/F	0029.0	0030.0	5.0	89.0			QL=4 ST=2 TYP=3
	200	HIRA	7 C	0029.0	0034.0	12.0	50.0			0
	245	LEAR	8 S	0034.0	0034.0		32.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0034.0	0034.0		22.0			QL=4 ST=2 TYP=3
	1415	LEAR	48 C	0037.0	0041.0	10.0	64.0			QL=4 ST=2 TYP=8
	1415	PALE	48 C	0037.0	0041.0	13.0	70.0			QL=4 ST=3 TYP=8
	2804	VORO	3 S	0037.5	0042.5	17.5	36.0			
	610	PALE	20 GRF	0038.0	0045.0	11.0	49.0			QL=4 ST=3 TYP=2
	2695	LEAR	4 S/F	0040.0	0043.0	5.0	38.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	0041.0	0041.0		40.0			QL=4 ST=3 TYP=3
	4995	PALE	8 S	0042.0	0043.0	1.0	25.0			QL=4 ST=3 TYP=3
	610	LEAR	8 S	0044.0	0045.0	2.0	28.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0050.0	0050.0		34.0			QL=4 ST=3 TYP=3
	200	HIRA	8 S	0203.0	0203.0	2.0	40.0			ML
	204	IZMI	42 SER	0809.5	0809.5	6.6	107.0			
	204	IZMI	7 C	0924.9	0925.0	0.5	51.0			
	245	LEAR	8 S	0925.0	0925.0		120.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0925.0	0925.0		130.0			QL=4 ST=3 TYP=3
	2950	GORK	4 S/F	0950.2	0950.9	2.3	24.0			
	3000	IZMI	7 C	0950.3	0950.9	1.0	20.0			
	4995	LEAR	4 S/F	1014.0	1015.0	3.0	280.0			QL=2 ST=2 TYP=3
	8800	LEAR	49 GB	1014.0	1015.0	3.0	610.0			QL=2 ST=2 TYP=6
	15400	LEAR	49 GB	1014.0	1015.0	3.0	860.0			QL=2 ST=2 TYP=6
	1415	LEAR	4 S/F	1014.0	1015.0	6.0	250.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	1014.0	1015.0	5.0	250.0			QL=2 ST=2 TYP=3
	410	LEAR	49 GB	1014.0	1015.0	3.0	730.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	1014.0	1016.0	2.0	620.0			QL=4 ST=2 TYP=6
	610	LEAR	4 S/F	1014.0	1015.0	3.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	49 GB	1014.0	1015.0	3.0	650.0			QL=4 ST=2 TYP=6
	245	SVTO	49 GB	1014.0	1016.0	2.0	580.0			QL=4 ST=2 TYP=6
	4995	SVTO	4 S/F	1014.0	1015.0	3.0	290.0			QL=4 ST=2 TYP=3
	15400	SVTO	49 GB	1014.0	1015.0	2.0	850.0			QL=4 ST=2 TYP=6
	1415	SVTO	4 S/F	1014.0	1015.0	6.0	250.0			QL=4 ST=2 TYP=3
	410	SVTO	49 GB	1014.0	1014.0	4.0	700.0			QL=4 ST=2 TYP=6
	2695	SVTO	4 S/F	1014.0	1015.0	3.0	210.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	1014.0	1015.0	11.0	150.0			QL=4 ST=2 TYP=3
	9100	GORK	46 C	1014.2	1015.3	8.3	420.0			
204	IZMI	45 C	1014.4	1015.1	3.3	97.0				
3000	IZMI	45 C	1014.4	1015.4	6.7	240.0	30.0			
900	GORK	3 S	1014.4	1015.6	3.7	200.0				
33	UPIC	45 C	1014.5	1015.5	1.5					
600	GORK	46 C	1014.6	1016.0		90.0				
600	GORK	46 C	1014.6	1015.3		130.0				
600	GORK	46 C	1014.6	1014.8	15.4	130.0				
127	TORN	42 SER	1015.8	1027.7	13.0	30.0			UNCERTAIN	
2950	GORK		1017.5U	1017.5U	11.5D	25.0U				
900	GORK	30 PBI	1018.8	1018.8	33.6	68.0				
900	GORK	46 C	1026.3	1026.7	0.5	18.0				
900	GORK	8 S	1049.0	1049.1	0.2	190.0				
33	UPIC	45 C	1121.5	1122.0	1.5					
204	IZMI	42 SER	1123.3	1125.3	2.5	83.0				
245	SVTO	8 S	1124.0	1124.0	1.0	400.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1230.0	1232.0	2.0	92.0			QL=4 ST=2 TYP=3	
9500	CUBA	2 S/F	1655.3	1655.8	1.7	16.0	8.0			
11	204	IZMI	43 NS	0700.0		300.0D		1.0		
	127	TORN	44 NS	0800.0E		360.0D		3.0		V=1

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

JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
11	280	CUBA	44 NS	1600.0E		350.0D		148.0		
		235	CUBA	44 NS	1600.0E		450.0D		37.0	
12	204	IZMI	44 NS	0700.0E		300.0D		1.0		
	280	CUBA	44 NS	1300.0E		530.0D		201.0		
		235	CUBA	44 NS	1300.0E		530.0D		45.0	
	245	LEAR	8 S	0805.0	0806.0	1.0	52.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0917.0	0918.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	1001.0	1001.0	2.0	54.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1110.0	1110.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1210.0	1210.0	U	66.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1307.0	1307.0	U	73.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1307.0	1307.0	U	140.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1332.0	1332.0	1.0	150.0			QL=4 ST=2 TYP=3
410	SVTO	8 S	1332.0	1332.0	U	190.0			QL=4 ST=2 TYP=3	
13	204	IZMI	43 NS	0759.0		300.0D		2.0		
	127	TORN	43 NS	0820.0		350.0D		9.0		V=1
	235	CUBA	44 NS	1300.0E		530.0D		57.0		
		280	CUBA	44 NS	1300.0E		530.0D		245.0	
	245	LEAR	4 S/F	0628.0	0629.0	5.0	55.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0630.0	0630.0	1.0	40.0			0
	204	IZMI	42 SER	0812.7	0813.1	0.7	57.0			
	245	LEAR	8 S	0824.0	0825.0	1.0	62.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0825.0	0825.0	U	71.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	0825.0	0825.2	0.6	127.0			
	6700	CUBA	21 GRF	1827.0	1945.0	151.0	16.0	8.0		13L
6700	CUBA	1 S	1956.4	1956.6	0.8	12.0	6.0		25R	
14	204	IZMI	44 NS	0700.0E		300.0D		18.0		
	280	CUBA	44 NS	1400.0E		470.0D		242.0		
		235	CUBA	44 NS	1400.0E		470.0D		51.0	
	2840	PEKG	45 C	0247.0	0250.9	6.0	16.6			
	2804	VORO	2 S/F	0249.5	0250.6	3.1	16.7			
	4995	LEAR	4 S/F	1026.0	1027.0	5.0	39.0			QL=2 ST=2 TYP=3
	2695	LEAR	4 S/F	1026.0	1027.0	4.0	24.0			QL=2 ST=2 TYP=3
	8800	LEAR	4 S/F	1026.0	1027.0	4.0	59.0			QL=2 ST=2 TYP=3
	1415	LEAR	4 S/F	1026.0	1027.0	4.0	21.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	1026.6	1027.8	7.9	23.0	5.0		
	15400	LEAR	8 S	1027.0	1027.0	1.0	24.0			QL=2 ST=2 TYP=3
	8800	SVTO	8 S	1027.0	1027.0	1.0	54.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1027.0	1027.0	1.0	35.0			QL=4 ST=2 TYP=3
	2950	GORK	3 S	1027.4	1027.8	1.0	16.0			
	900	GORK	42 SER	1027.5	1046.0		25.0			
	900	GORK	42 SER	1027.5	1047.4		16.0			
	9100	GORK	4 S/F	1027.5	1027.9	1.5	48.0			
900	GORK	42 SER	1027.5	1027.9	20.1	14.0				
600	GORK	42 SER	1046.6	1047.1	3.1	5.0				
2800	PENT		2102.0	2105.0	5.0	5.0				
15	204	IZMI	44 NS	0700.0E		300.0D		30.0		
	245	SGMR	43 NS	1253.0	1304.0	227.0	75.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	1256.0	1516.0	145.0	82.0			QL=2 ST=2 TYP=1
	280	CUBA	44 NS	1300.0E		390.0D		116.0		
		235	CUBA	44 NS	1300.0E		539.0D		26.0	
	2804	VORO	3 S	0104.4	0105.6	3.0	6.5			
	245	SGMR	8 S	1236.0	1236.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1236.0	1236.0	U	82.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1245.0	1247.0	3.0	69.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1247.0	1247.0	1.0	71.0			QL=4 ST=3 TYP=3
	410	SVTO	8 S	1252.0	1252.0	U	35.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1253.0	1253.0	U	57.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1600.0	1601.0	2.0	69.0			QL=2 ST=2 TYP=3
	2695	SGMR	8 S	1600.0	1601.0	2.0	58.0			QL=2 ST=2 TYP=3
	8800	SGMR	8 S	1600.0	1601.0	2.0	98.0			QL=2 ST=2 TYP=3
	9500	CUBA	45 C	1600.0	1600.8	6.0	86.0	43.0		
	2800	PENT	29 PBI	1841.0	1845.0	35.0	73.0			
15400	SGMR	4 S/F	1844.0	1845.0	7.0	59.0			QL=2 ST=2 TYP=3	
8800	PALE	8 S	1845.0	1845.0	1.0	48.0			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

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Jan 01

JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
15	2695	PALE	8 S	1845.0	1845.0	2.0	66.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	1845.0	1845.0	3.0	87.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1845.0	1845.0	4.0	78.0			QL=2 ST=2 TYP=3
	2695	SGMR	4 S/F	1845.0	1845.0	3.0	50.0			QL=2 ST=2 TYP=3
	8800	SGMR	4 S/F	1845.0	1845.0	6.0	83.0			QL=2 ST=2 TYP=3
	9500	CUBA	45 C	1845.1	1845.7	4.4	78.0	39.0		
16	245	LEAR	43 NS	0518.0	0519.0	14.0	52.0			QL=4 ST=2 TYP=1
	127	TORN	44 NS	0700.0E		210.0D		1.0		V=1
	204	IZMI	44 NS	0700.0E		300.0D		25.0		
	245	PALE	8 S	0144.0	0144.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0340.0	0341.0	2.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0341.0	0341.0	1.0	72.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0955.4	0956.0	2.5	104.0			
	6700	CUBA	45 C	1559.3	1601.2	6.2	117.0	58.0		14R
	6700	CUBA	45 C	1844.4	1845.8	6.2	131.0	65.0		13R
	245	PALE	4 S/F	2115.0	2115.0	3.0	160.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	2222.0	2223.0	1.0	70.0			0
	200	HIRA	8 S	2227.0	2228.0	1.0	150.0			0
17	280	CUBA	44 NS	1300.0E		530.0D		66.0		
	235	CUBA	44 NS	1300.0E		530.0D		14.0		
	200	HIRA	8 S	0049.0	0049.0	1.0	50.0			0
	200	HIRA	8 S	0132.0	0133.0	1.0	30.0			0
	245	LEAR	8 S	0215.0	0215.0	1.0	61.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0332.0	0333.0	1.0	40.0			0
	200	HIRA	8 S	0346.0	0347.0	1.0	40.0			0
	204	IZMI	42 SER	0704.7	0704.9	0.6	24.0			
	204	IZMI	25 R	0722.0		55.0	8.0			
	204	IZMI	45 C	0846.3	0847.5	15.0	200.0			
	204	IZMI	7 C	0856.2	0856.3	0.2	54.0			
	204	IZMI	41 F	0917.8	0917.9	0.2	16.0			
	245	LEAR	8 S	0926.0	0926.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0926.0	0926.0	U	150.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0926.4	0926.4	0.1	16.0			
	204	IZMI	45 C	0926.8	0926.8	0.1	455.0			
	245	LEAR	49 GB	0937.0	0937.0	U	3700.0			QL=4 ST=2 TYP=6
	245	SVTO	49 GB	0937.0	0937.0	U	4400.0			QL=4 ST=2 TYP=6
	204	IZMI	45 C	0937.2	0937.4	0.7	12376.0			
	204	IZMI	42 SER	0941.8	0943.5	1.8	56.0			
	204	IZMI	41 F	0946.3	0946.3	0.2	39.0			
	204	IZMI	41 F	1010.6	1010.8	0.4	84.0			
	9100	GORK	41 F	1029.4	1029.6	2.6	44.0			
	9100	GORK	41 F	1029.4	1031.8		18.0			
	204	IZMI	45 C	1029.9	1030.0	1.5	182.0			
	245	SVTO	8 S	1102.0	1102.0	U	110.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	1102.5	1102.6	0.2	76.0			
	204	IZMI	41 F	1105.9	1106.2	0.6	35.0			
	204	IZMI	7 C	1109.7	1109.9	0.3	35.0			
	204	IZMI	46 C	1110.8	1111.2	0.9	108.0			
	204	IZMI	42 SER	1122.1	1122.6	2.3	930.0			
	245	SVTO	49 GB	1132.0	1133.0	1.0	1300.0			QL=4 ST=2 TYP=6
410	SVTO	8 S	1132.0	1132.0	1.0	98.0			QL=4 ST=2 TYP=3	
204	IZMI	46 C	1132.2	1133.1	3.3	5912.0				
204	IZMI	45 C	1142.4	1142.5	0.4	410.0				
204	IZMI	42 SER	1150.1	1150.2	1.1	18.0				
410	SGMR	49 GB	1414.0	1414.0	1.0	570.0			QL=4 ST=2 TYP=6	
245	SGMR	8 S	1414.0	1414.0	1.0	170.0			QL=4 ST=2 TYP=3	
410	SVTO	49 GB	1414.0	1414.0	1.0	640.0			QL=4 ST=2 TYP=6	
245	SVTO	8 S	1414.0	1414.0	1.0	160.0			QL=4 ST=2 TYP=3	
245	SGMR	49 GB	1915.0	1915.0	U	840.0			QL=4 ST=2 TYP=6	
2800	PENT	29 PBI	2041.0	2044.0	20.0	7.0				
18	127	TORN	44 NS	0700.0E		440.0D		4.0		V=1
	280	CUBA	44 NS	1415.0E		455.0D		60.0		
	235	CUBA	44 NS	1415.0E		455.0D		12.0		
	200	HIRA	8 S	0648.0	0649.0	1.0	200.0			0
	245	SVTO	8 S	0648.0	0648.0	1.0	83.0			QL=4 ST=2 TYP=3
204	IZMI	45 C	0648.6	0648.7	0.4	362.0				

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

JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
18	9100	GORK	46 C	0718.0	0718.2	0.8	130.0			
	9100	GORK	46 C	0718.0	0718.4		300.0U			
	600	GORK	4 S/F	0743.9	0744.1	0.8	65.0U			
	204	IZMI	7 C	0820.5	0820.6	0.3	17.0			
	245	SGMR	20 GRF	1949.0	1950.0	251.0	1600.0			QL=4 ST=1 TYP=2
	8800	SGMR	48 C	2012.0	2049.0	228.0	6000.0			QL=4 ST=1 TYP=8
	245	PALE	4 S/F	2109.0	2110.0	171.0	1.0			QL=4 ST=1 TYP=3
	245	PALE	4 S/F	2109.0	2110.0	171.0	1600.0			QL=4 ST=1 TYP=3
	245	PALE	20 GRF	2109.0	2110.0	171.0	1600.0			QL=4 ST=1 TYP=2
	245	PALE	49 GB	2109.0	2110.0	171.0	1600.0			QL=4 ST=1 TYP=6
19	280	CUBA	44 NS	1300.0E		530.0D		68.0		
	235	CUBA	44 NS	1300.0E		530.0D		13.0		
	245	LEAR	4 S/F	0248.0	0252.0	5.0	85.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0254.0	0254.0	1.0	81.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0304.0	0304.0	U	88.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0319.0	0319.0	U	99.0			QL=4 ST=3 TYP=3
	245	LEAR	8 S	0320.0	0320.0	U	75.0			QL=4 ST=2 TYP=3
	127	TORN	45 C	0832.4	0835.2	5.2	70.0	30.0		
	9100	GORK	4 S/F	0910.7	0911.0	0.9	45.0			
	600	GORK	4 S/F	1008.4	1008.8	1.3	19.0			
	204	IZMI	7 C	1008.7	1008.8	0.3	37.0			
	3000	IZMI	20 GRF	1100.5	1100.9	1.3	11.0	5.0		
	9500	CUBA	21 GRF	1524.0	1738.0	234.0	22.0	11.0		
	6700	CUBA	21 GRF	1633.0	1734.0	154.0	22.0	11.0		6R
	2800	PENT	29 PBI	1654.0	1717.0	38.0U	141.0			
	4995	SGMR	4 S/F	1715.0	1717.0	11.0	130.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1715.0	1718.0	11.0	150.0			QL=4 ST=2 TYP=3
	6700	CUBA	4 S/F	1715.5	1717.4	12.1	107.0	53.0		7R
	9500	CUBA	2 S/F	1715.8	1717.3	8.7	53.0	26.0		
	1415	SGMR	4 S/F	1716.0	1718.0	10.0	62.0			QL=4 ST=2 TYP=3
8800	SGMR	4 S/F	1716.0	1717.0	10.0	72.0			QL=4 ST=2 TYP=3	
20	2840	PEKG	45 C	0039.0	0041.3	5.0	10.9			
	2804	VORO	46 C	0039.2	0041.0	3.2	9.6			
	2840	PEKG	1 S	0619.0	0621.4	5.0	8.8			
	204	IZMI	42 SER	0745.4	0746.6	1.4	676.0			
	204	IZMI	7 C	1027.2	1027.3	0.2	11.0			
	204	IZMI	41 F	1046.9	1047.8	1.0	11.0			
	204	IZMI	46 C	1151.4	1151.6	0.6	358.0			
	2800	PENT	29 PBI	1831.0	1843.0	61.0U	123.0			
	1415	SGMR	20 GRF	1838.0	1846.0	17.0	97.0			QL=4 ST=2 TYP=2
	6700	CUBA	21 GRF	1838.0	1854.0	75.0	33.0	16.0		12L
	1415	PALE	4 S/F	1840.0	1844.0	13.0	94.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1840.0	1844.0	15.0	110.0			QL=4 ST=2 TYP=3
	9500	CUBA	21 GRF	1840.0	1854.0	55.0	40.0	20.0		
	6700	CUBA	4 S/F	1840.5	1846.9	13.8	49.0	24.0		11L
	4995	SGMR	20 GRF	1841.0	1847.0	14.0	81.0			QL=4 ST=2 TYP=2
	410	PALE	8 S	1842.0	1842.0	U	23.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1842.0	1842.0	U	43.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	1842.0	1845.0	13.0	67.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	1842.0	1844.0	10.0	96.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1842.0	1847.0	13.0	58.0			QL=4 ST=2 TYP=3
	610	PALE	4 S/F	1843.0	1843.0	8.0	37.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1845.0	1847.0	10.0	41.0			QL=4 ST=2 TYP=3
	2800	PENT	47 GB	2105.0	2113.0	27.0U	807.0			
	2695	PALE	49 GB	2109.0	2112.0	33.0	850.0			QL=4 ST=2 TYP=6
	1415	PALE	20 GRF	2109.0	2112.0	35.0	480.0			QL=4 ST=2 TYP=2
	4995	PALE	49 GB	2109.0	2112.0	30.0	1700.0			QL=4 ST=2 TYP=6
	6700	CUBA	47 GB	2109.2	2112.5	10.3	2445.0	1222.0		3R
	9500	CUBA	47 GB	2109.3	2112.0	10.5	1689.0	844.0		
	8800	PALE	49 GB	2110.0	2112.0	15.0	1100.0			QL=4 ST=2 TYP=6
	610	PALE	4 S/F	2110.0	2112.0	14.0	430.0			QL=4 ST=2 TYP=3
	15400	PALE	49 GB	2110.0	2112.0	16.0	760.0			QL=4 ST=2 TYP=6
	410	PALE	48 C	2111.0	2116.0	11.0	320.0			QL=4 ST=2 TYP=8
245	PALE	49 GB	2111.0	2113.0	22.0	600.0			QL=4 ST=2 TYP=6	
6700	CUBA	29 PBI	2119.5	2119.5	48.0D	484.0	242.0		7R SUNSET	
9500	CUBA	29 PBI	2119.8	2119.8	48.0D	367.0	183.0		SUNSET	

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

JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
26	235	CUBA	44 NS	1323.0E		507.0D		15.0		
	280	CUBA	44 NS	1323.0E		507.0D		71.0		
	2840	PEKG	45 C	0559.0	0606.1	20.0	98.6			
	2800	HIRA	7 C	0601.0	0606.0	8.0	80.0			0
	4995	LEAR	4 S/F	0603.0	0604.0	3.0	54.0			QL=2 ST=2 TYP=3
	2695	LEAR	4 S/F	0603.0	0606.0	3.0	79.0			QL=2 ST=2 TYP=3
	8800	LEAR	4 S/F	0603.0	0606.0	3.0	49.0			QL=2 ST=2 TYP=3
	200	HIRA	47 GB	0604.0	0605.0	5.0	610.0			0
	245	LEAR	8 S	0604.0	0604.0	1.0	350.0			QL=4 ST=2 TYP=3
	600	GORK	21 GRF	0819.6	0836.2	41.9	4.1			
	3000	IZMI	22 GRF	0848.4U	0851.9U	5.4U	24.0			
	3000	IZMI	7 C	0848.4U	0851.9U	5.4U	20.0U			
	4995	SVTO	8 S	0851.0	0852.0	1.0	93.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0851.0	0852.0	1.0	19.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0851.0	0852.0	1.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0851.0	0852.0	1.0	30.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0851.0	0851.0	1.0	18.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0851.0	0851.0	1.0	75.0			QL=4 ST=2 TYP=3
	600	GORK	46 C	0851.2	0852.0	2.4	16.0			
	2950	GORK	46 C	0851.2	0852.0	3.4	32.0			
	600	GORK	46 C	0851.2	0852.7		6.4			
	2950	GORK	46 C	0851.2	0852.7		30.0			
	900	GORK	46 C	0851.3	0852.0	2.5	38.0			
	900	GORK	46 C	0851.3	0852.6		37.0			
	204	IZMI	7 C	0851.4	0851.9	1.0	148.0			
	2695	LEAR	8 S	0852.0	0852.0	U	32.0			QL=2 ST=2 TYP=3
	8800	LEAR	8 S	0852.0	0852.0	U	39.0			QL=2 ST=2 TYP=3
	8800	SVTO	8 S	0853.0	0854.0	1.0	1.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1024.0	1024.0	1.0	210.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	1158.0	1159.0	14.5				
	6700	CUBA	2 S/F	2008.2	2009.9	4.8	79.0	39.0		19L
	9500	CUBA	2 S/F	2008.3	2010.0	2.7	51.0	25.0		
	245	SGMR	8 S	2010.0	2010.0	U	130.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	2010.0	2010.0	U	45.0			QL=4 ST=2 TYP=3
410	SGMR	8 S	2010.0	2010.0	U	100.0			QL=4 ST=2 TYP=3	
27	280	CUBA	44 NS	1300.0E		530.0D		76.0		
	235	CUBA	44 NS	1300.0E		530.0D		16.0		
	200	HIRA	8 S	0724.0	0724.0	1.0	120.0			WR
	410	LEAR	4 S/F	0724.0	0724.0	3.0	27.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0724.0	0724.0	3.0	140.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0724.0	0724.0	U	150.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0724.0	0724.0	U	63.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0724.0	0724.5	2.1	246.0			
	3000	IZMI	7 C	1112.3	1112.9	0.9	13.0	6.0		
	28	280	CUBA	44 NS	1300.0E		530.0D		77.0	
235		CUBA	44 NS	1315.0E		515.0D		19.0		
410		LEAR	8 S	0000.0	0000.0	U	120.0			QL=4 ST=2 TYP=3
410		PALE	8 S	0000.0	0000.0	1.0	260.0			QL=4 ST=2 TYP=3
200		HIRA	8 S	0114.0	0114.0	1.0	30.0			0
2804		VORO	2 S/F	0258.7	0300.0	2.2	4.6			
410		LEAR	8 S	0259.0	0259.0	1.0	99.0			QL=4 ST=2 TYP=3
410		PALE	8 S	0259.0	0259.0	1.0	140.0			QL=4 ST=2 TYP=3
2840		PEKG	1 S	0724.0	0726.7	5.0	9.6			
2950		GORK	2 S/F	0726.0	0726.8	2.1	6.8			
204		IZMI	41 F	0750.6	0750.7	1.1	21.0			
9100		GORK	8 S	0806.3	0806.7	0.9	300.0U			
204		IZMI	7 C	0811.2	0811.3	0.2	7.0			
245		SGMR	8 S	1454.0	1454.0	2.0	280.0			QL=4 ST=2 TYP=3
610		SGMR	8 S	1525.0	1525.0	1.0	57.0			QL=4 ST=2 TYP=3
6700		CUBA	22 GRF	1527.0	1553.0	345.0	29.0	14.0		20R
610		SGMR	48 C	1534.0	1537.0	33.0	2400.0			QL=4 ST=2 TYP=8
410		SGMR	48 C	1534.0	1539.0	33.0	4100.0			QL=4 ST=2 TYP=8
280		CUBA	47 GB	1536.2	1543.2	39.3	9227.0			
235		CUBA	47 GB	1536.2	1541.5	39.3	1169.0			
245	SGMR	48 C	1538.0	1543.0	29.0	690.0			QL=4 ST=2 TYP=8	
2695	SGMR	48 C	1542.0	1552.0	25.0	130.0			QL=4 ST=2 TYP=8	
1415	SGMR	48 C	1542.0	1553.0	25.0	96.0			QL=4 ST=2 TYP=8	

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

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JANUARY 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
28	9500	CUBA	22 GRF	1544.0	1552.0	334.0	19.0	9.0		
	4995	SGMR	46 C	1548.0	1552.0	19.0	37.0			QL=4 ST=2 TYP=8
	8800	SGMR	20 GRF	1548.0	1602.0	19.0	39.0			QL=4 ST=2 TYP=2
	15400	SGMR	20 GRF	1551.0	1604.0	16.0	42.0			QL=4 ST=2 TYP=2
	610	SGMR	4 S/F	1721.0	1725.0	11.0	84.0			QL=4 ST=2 TYP=3
29	280	CUBA	44 NS	1400.0E		470.0D		96.0		
	235	CUBA	44 NS	1400.0E		470.0D		26.0		
	2804	VORO	20 GRF	0000.0	0110.0	197.0U	16.1			
	2804	VORO	28 PRE	0413.5	0418.0	4.5	2.6			
	2804	VORO	1 S	0418.1	0418.8	2.3	3.7			
	2804	VORO	29 PBI	0420.3	0420.3	17.5	3.1			
30	280	CUBA	44 NS	1325.0E		505.0D		67.0		
	235	CUBA	44 NS	1325.0E		505.0D		21.0		
	2804	VORO	2 S/F	0052.2	0054.1	3.3	3.6			
	245	LEAR	8 S	0103.0	0104.0	2.0	180.0			QL=4 ST=2 TYP=3
31	280	CUBA	44 NS	1300.0E		360.0D		75.0		
	235	CUBA	44 NS	1300.0E		360.0D		18.0		

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	

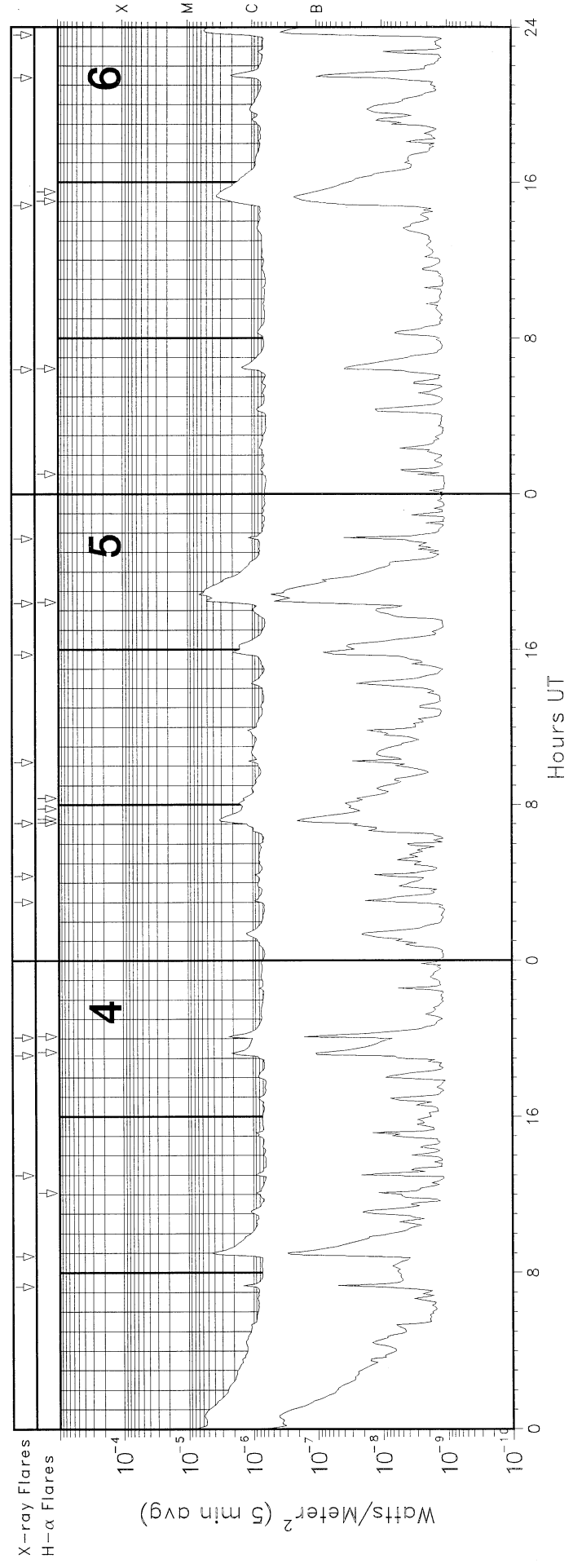
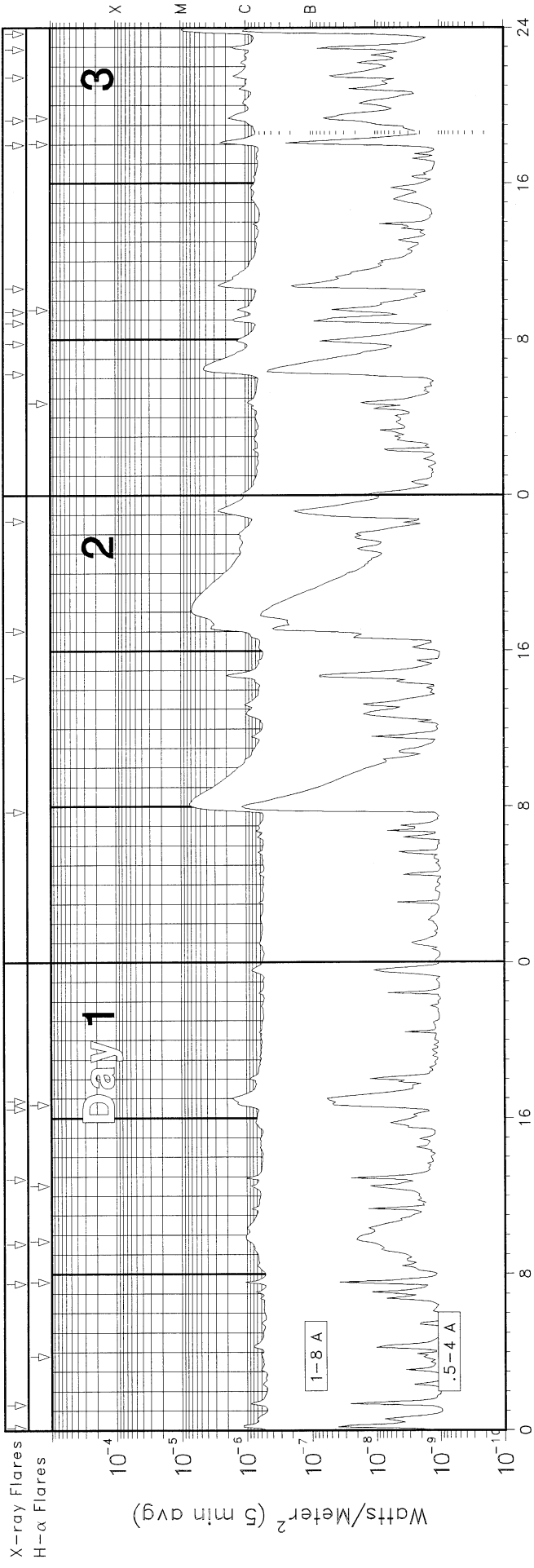
Explanation of Type Code:

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 Precursor	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; and Hiraiso, Japan 500 and 200 MHz.

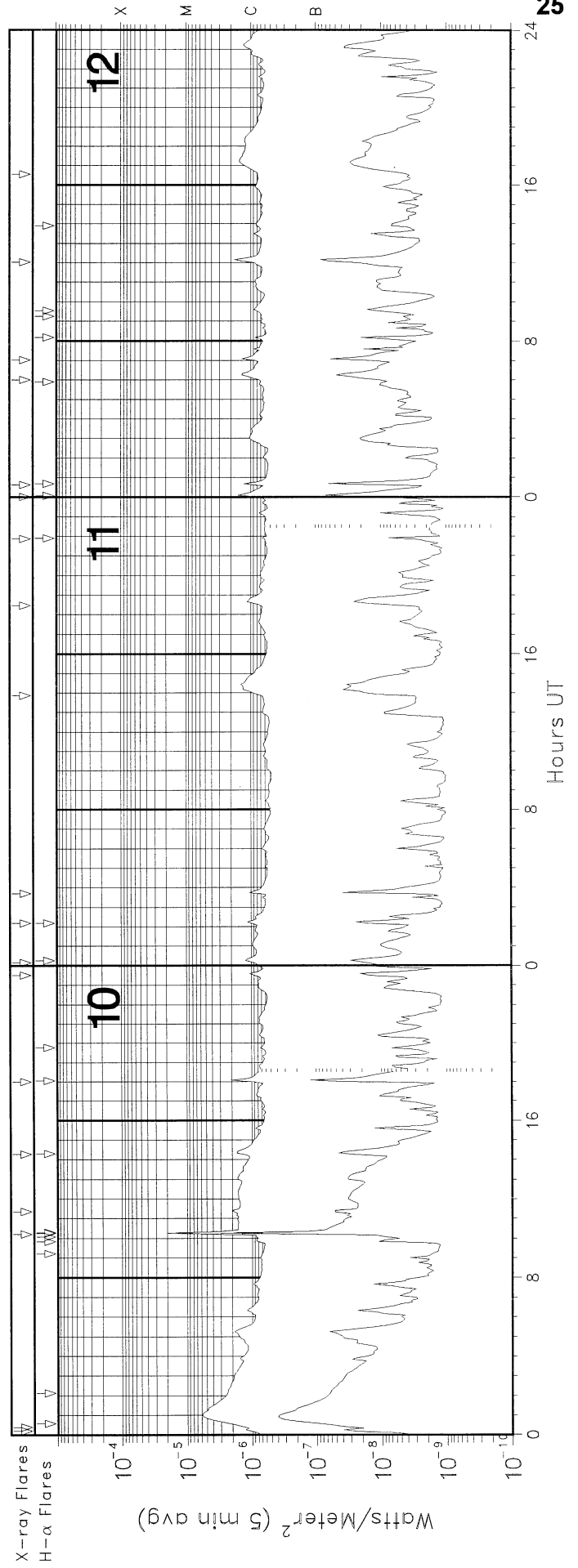
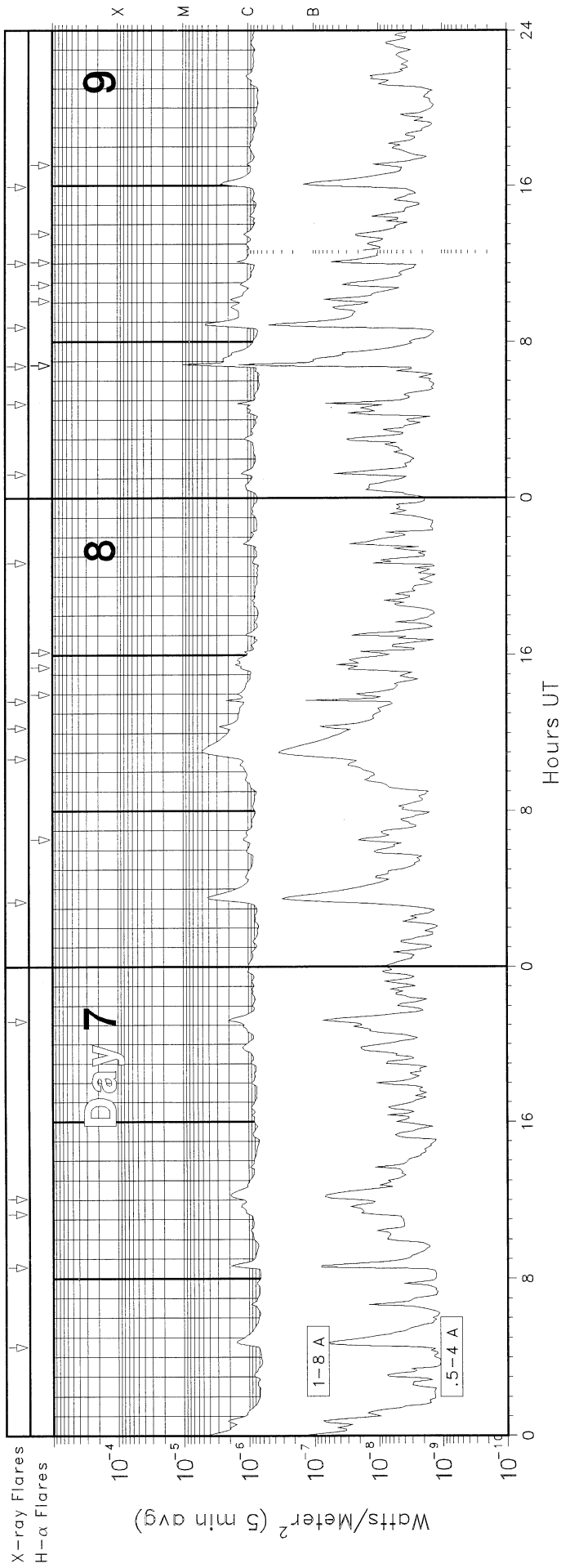
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GOES X-RAY DETECTOR January 2001

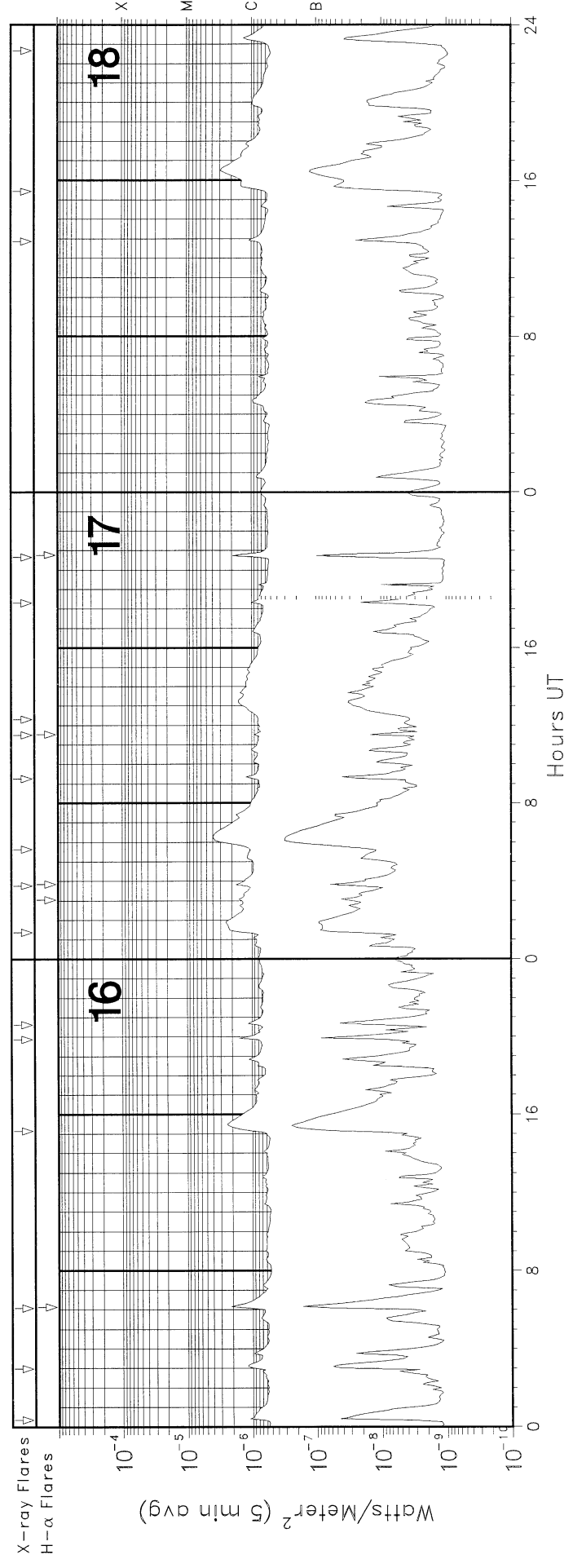
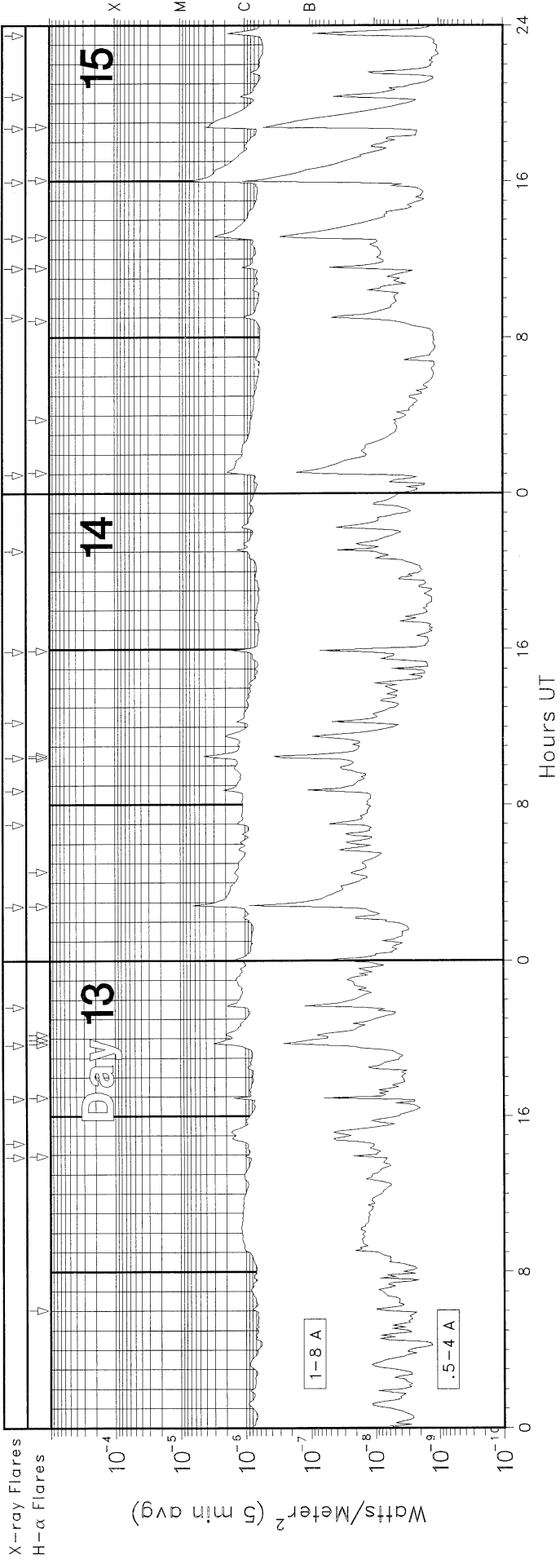


GOES X-RAY DETECTOR

January 2001

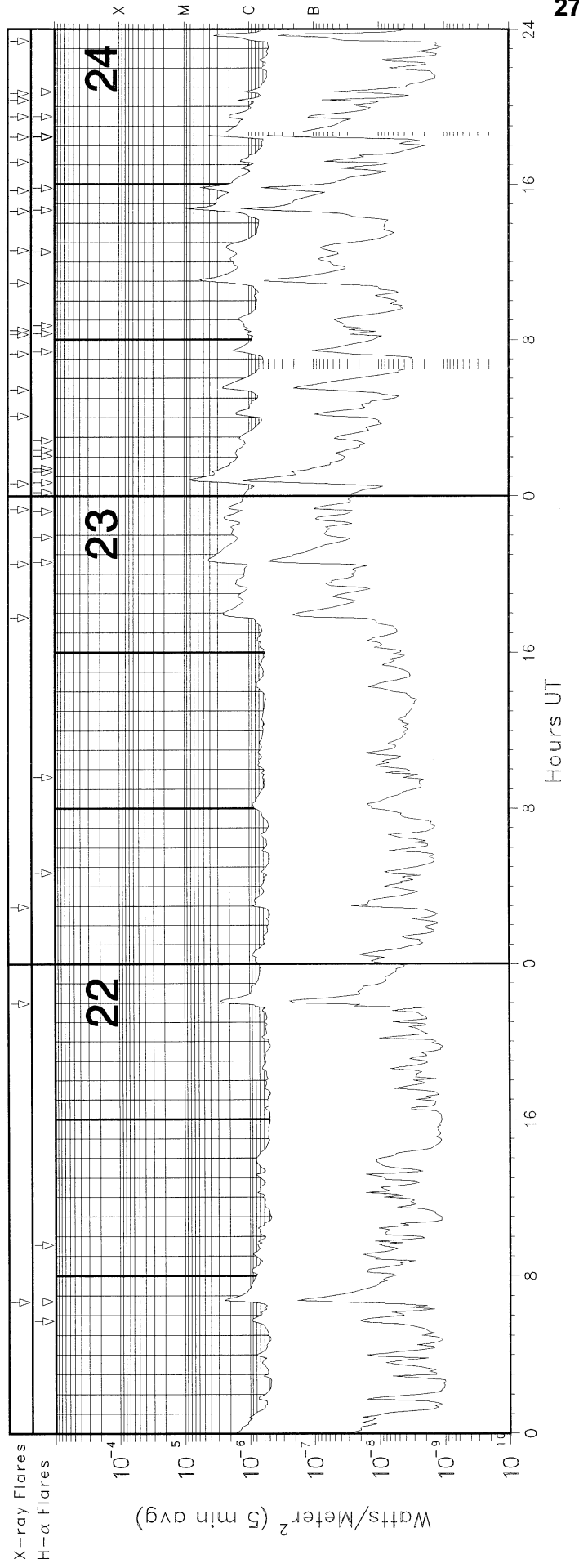
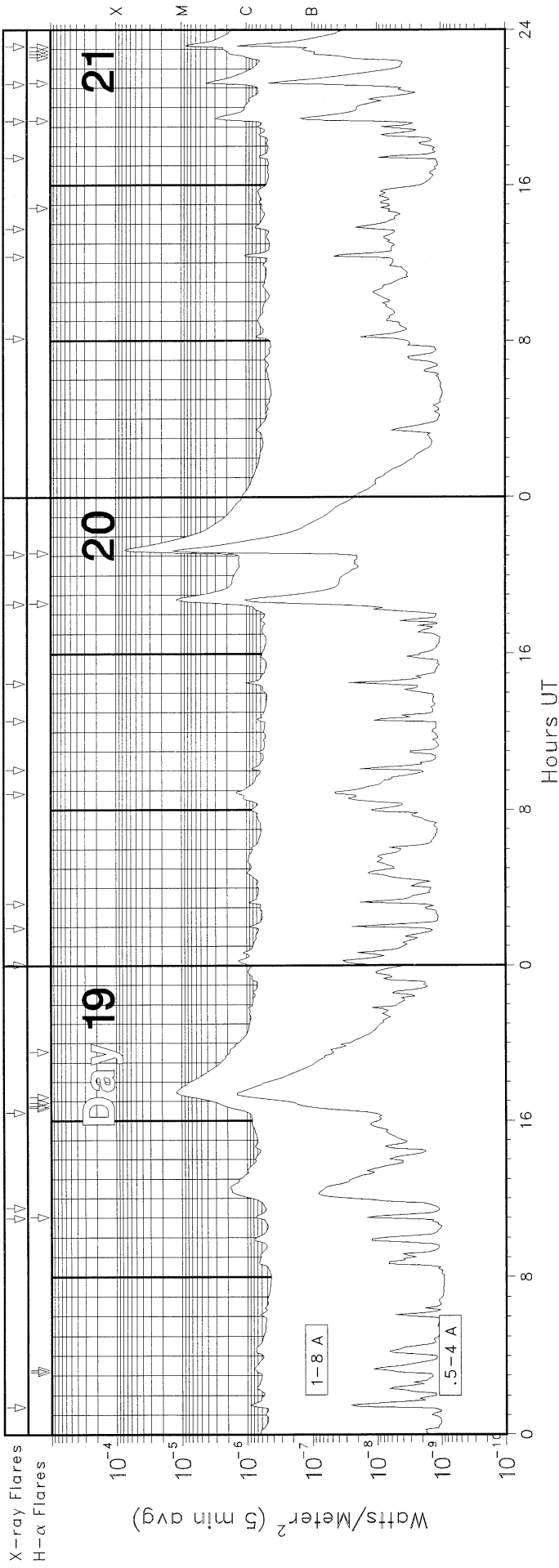


GOES X-RAY DETECTOR January 2001



GOES X-RAY DETECTOR

January 2001

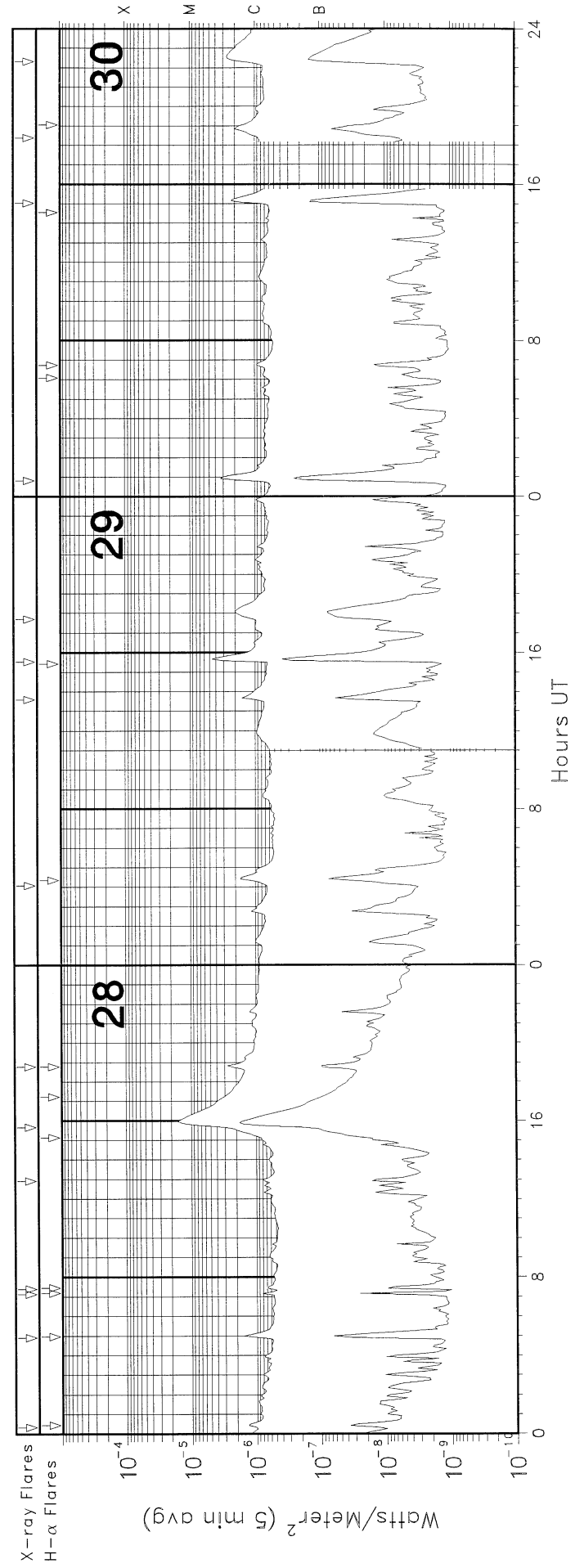
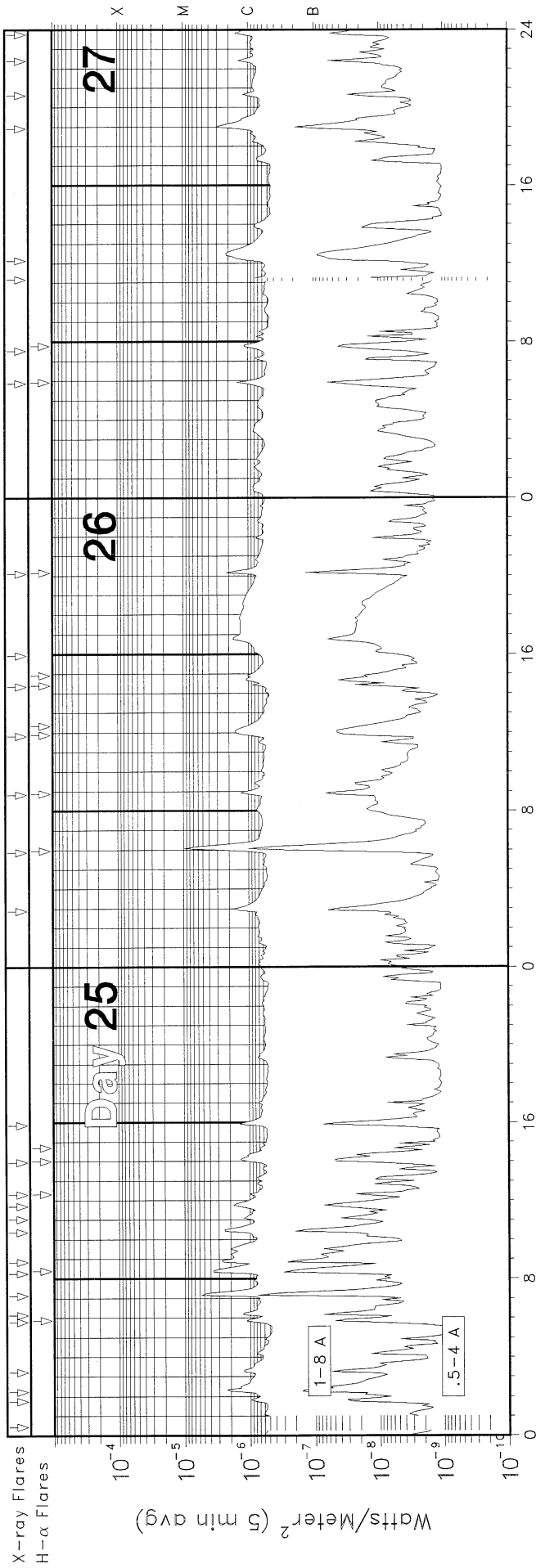


GOES X-RAY DETECTOR

January 2001

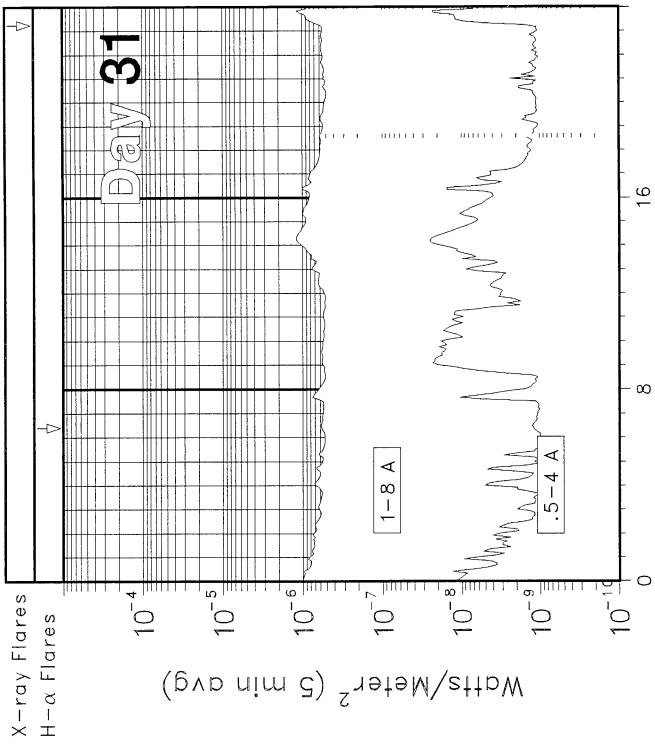
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GOES X-RAY DETECTOR

January 2001



GOES SOLAR X-RAY FLARES
Preliminary Listing

January 2001

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
01	0007	0013	0020				C1.2		8.1E-04
01	0118	0121	0127				C1.0		4.5E-04
01	0731	0735	0739	S09	E13	SF	C1.2	9289	4.3E-04
01	0933	0951	1009	S11	W46	SF	C1.0	9283	2.1E-03
01	1252	1257	1301				C1.0		4.9E-04
01	1628	1645	1652	S12	W52	SF	C1.4	9283	1.5E-03
01	1653	1702	1707				C1.7		1.3E-03
02	0744	0811	0852				C7.5		2.2E-02
02	1436	1445	1453				C2.1		1.6E-03
02	1701	1807	1916				C6.9		4.0E-02
02	2240	2313	2331				C2.7		5.0E-03
03	0614	0631	0657				C4.4		9.0E-03
03	0746	0757	0807				C1.4		1.5E-03
03	0851	0858	0911				C1.6		1.6E-03
03	0924	0932	0938	S03	W16	SF	C1.4	9289	9.5E-04
03	1037	1047	1102				C2.6		3.1E-03
03	1759	1808	1815	N29	W52	SF	C2.7	9290	1.8E-03
03	1914	1921	1932	N27	E52	SF	C1.9	9294	1.7E-03
03	2125	2128	2135				C1.7		8.8E-04
03	2253	2259	2305				C1.8		1.1E-03
03	2342	2355	0012				M1.0		1.2E-02
04	0717	0721	0724				C1.6		5.4E-04
04	0850	0900	0911				C4.5		4.0E-03
04	1259	1303	1308				B9.8		4.8E-04
04	1909	1914	1921	N06	E76	SF	C2.5	9301	1.3E-03
04	2004	2008	2011	S08	W41	SF	C3.6	9289	9.8E-04
05	0302	0305	0308				C1.0		3.3E-04
05	0422	0425	0427				C1.1		2.9E-04
05	0703	0715	0731	N19	E76	SF	C3.2	9302	4.6E-03
05	1012	1015	1018				C1.2		4.0E-04
05	1544	1553	1620				C2.0		3.5E-03
05	1823	1851	1922	N20	E72	SF	C6.8	9302	1.7E-02
05	2143	2146	2148				C1.4		3.3E-04
06	0623	0630	0641	N25	E64	SF	C1.4		1.4E-03
06	1449	1520	1548				C3.6	9302	9.2E-03
06	2122	2130	2140				C2.2		1.9E-03
06	2335	2350	0011				C5.5		9.0E-03
07	0431	0447	0524				C1.6		3.7E-03
07	0834	0840	0847				C2.0		1.2E-03
07	1116	1142	1153				C1.3		2.6E-03
07	1204	1218	1228				C1.9		2.5E-03
07	2111	2118	2124				C2.0		1.4E-03
08	0320	0335	0349				C4.2		5.5E-03
08	1041	1105	1133				C5.1		1.2E-02
08	1216	1220	1225				C2.9		1.4E-03
08	1338	1342	1344				C2.9		7.1E-04
08	2041	2044	2047				C1.0		3.2E-04
09	0113	0117	0124				C1.2		7.7E-04
09	0448	0454	0456				C1.7		6.3E-04
09	0645	0650	0652	N10	E50	1N	M1.8	9306	3.4E-03
09	0844	0854	0902				C5.1		3.6E-03
09	1200	1205	1211				C1.6		8.4E-04
09	1557	1608	1617				C2.6		2.5E-03
10	0011	0015	0020				C1.4		6.5E-04
10	0023	0103	0140	N13	E36	1N	C5.9	9306	1.9E-02

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
10	1012	1016	1018	N19	E06	1N	M3.5	9302	5.6E-03
10	1121	1125	1127				C2.3		7.5E-04
10	1416	1420	1433	N10	E38	SF	C1.8	9306	1.6E-03
10	1800	1806	1809	N17	E02	SN	C2.5	9302	8.9E-04
10	2331	2335	2339				C1.1		4.8E-04
11	0009	0017	0025	N10	W01	SF	C1.2	9301	1.0E-03
11	0211	0215	0220	N13	E51	SF	C1.2	9308	5.9E-04
11	0343	0348	0351				C1.3		4.7E-04
11	1352	1426	1452				C1.4		4.1E-03
11	1828	1842	1856				C1.8		1.6E-03
11	2152	2155	2157	N11	E17	SF	B8.2	9306	2.0E-04
12	0000	0007	0013	N14	E39	SF	C1.6	9308	9.8E-04
12	0038	0042	0045	N18	W15	SF	C1.5	9302	4.8E-04
12	0600	0618	0628				C1.4		1.8E-03
12	0701	0706	0712				C1.4		7.7E-04
12	1202	1212	1216				C2.1		1.2E-03
12	1634	1718	1836				C1.5		8.9E-03
13	1353	1356	1358	N18	W36	SF	C1.2	9302	3.1E-04
13	1436	1513	1525				C1.6		4.2E-03
13	1654	1657	1659	N18	W37	SF	C2.3	9302	4.5E-04
13	1940	1946	1953	N11	W12	SF	C3.4	9306	1.9E-03
13	2137	2143	2150				C2.0		1.3E-03
14	0246	0251	0254	N10	W17	SF	C8.1	9306	2.2E-03
14	0659	0703	0709				C1.4		7.6E-04
14	0843	0847	0850				C2.4		8.4E-04
14	1024	1030	1036				C4.6		2.5E-03
14	1213	1217	1223				C1.3		7.5E-04
14	1553	1557	1600	N14	W19	SF	C1.7	9306	5.8E-04
14	2103	2107	2110				C1.5		5.2E-04
15	0057	0108	0145	N12	W29	SF	C1.9	9306	4.1E-03
15	0900	0904	0907	N11	W34	SF	C1.2	9306	4.4E-04
15	1132	1136	1141				C1.1		5.3E-04
15	1304	1311	1321				C2.9		2.2E-03
15	1556	1603	1607	N12	W37	SF	C9.4	9306	3.3E-03
15	1842	1847	1908	N13	W37	SF	C4.9	9306	4.9E-03
15	2019	2024	2027				C1.3		5.4E-04
15	2330	2336	2342				C1.9		9.8E-04
16	0022	0027	0032				C1.3		5.9E-04
16	0259	0304	0320				C1.1		1.4E-03
16	0605	0611	0619	N12	W44	SF	C2.2	9306	1.4E-03
16	1509	1530	1558				C2.4		5.5E-03
16	1952	1957	2001				C1.8		7.2E-04
16	2038	2042	2049				C1.1		7.0E-04
17	0123	0155	0218				C2.5		7.1E-03
17	0347	0352	0358	N14	W53	SF	C1.8	9306	1.0E-03
17	0539	0616	0650				C4.0		1.2E-02
17	0916	0919	0925				C1.3		6.2E-04
17	1131	1134	1136	N12	W66	SF	C1.1	9304	2.9E-04
17	1219	1315	1402				C1.6		7.7E-03
17	1818	1822	1826				C1.0		4.6E-04
17	2040	2046	2052	N16	W64	SF	C2.3	9306	1.0E-03
18	1252	1256	1305				C1.0		7.7E-04
18	1525	1634	1725				C2.9		1.3E-02
18	2240	2320	2335				C1.3		2.6E-03
19	0124	0130	0140				B9.3		7.7E-04
19	1059	1102	1111				B8.5		5.2E-04

GOES SOLAR X-RAY FLARES
 Preliminary Listing

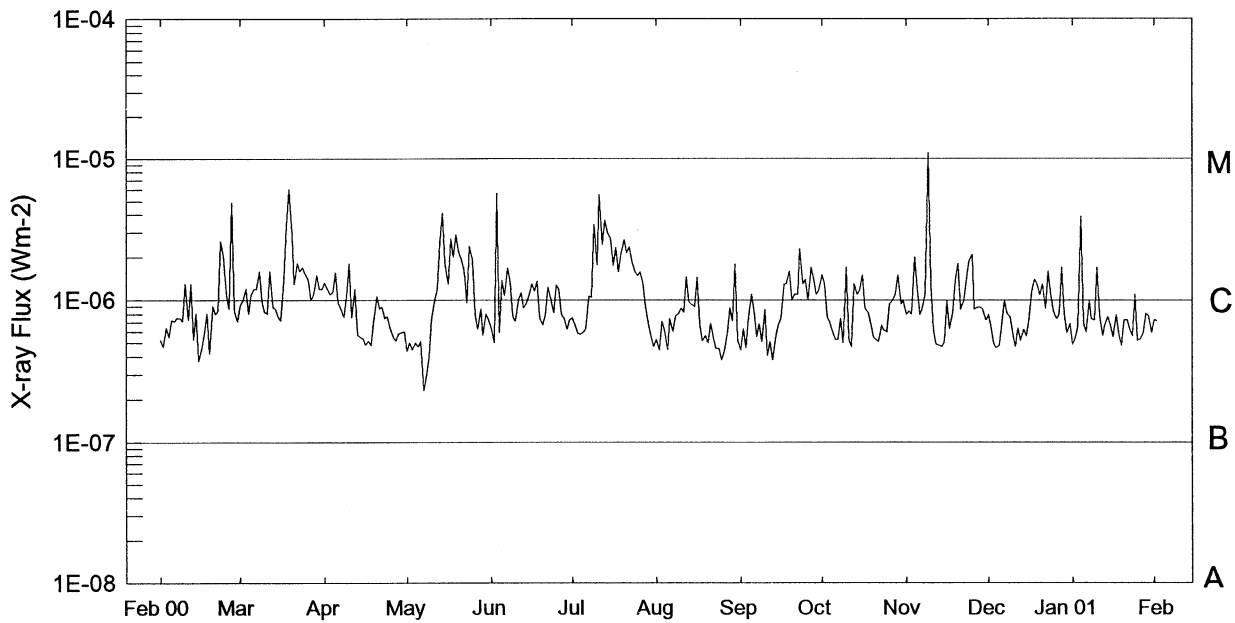
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 Jan 01

January 2001

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
19	1131	1236	1311				C1.8	7.1E-03	
19	1625	1730	1819	S07	E61	SF	M1.0	9313	4.3E-02
20	0005	0016	0023				C1.3	1.3E-03	
20	0157	0201	0203				C1.1	3.1E-04	
20	0313	0317	0320				C1.0	3.7E-04	
20	0849	0856	0900				C1.4	9.1E-04	
20	1004	1007	1013				B8.5	4.2E-04	
20	1235	1239	1243				B8.0	3.3E-04	
20	1428	1431	1435				C1.0	4.0E-04	
20	1833	1847	1859	S07	E40	2F	M1.2	9313	1.2E-02
20	2106	2120	2132	S07	E46	2B	M7.7	9313	7.2E-02
21	0807	0814	0821				B7.3	5.5E-04	
21	1219	1223	1227				C1.7	5.2E-04	
21	1346	1350	1403				B7.8	6.9E-04	
21	1725	1729	1734				B6.9	3.4E-04	
21	1917	1928	1939	S08	E36	SF	C3.0	9313	3.0E-03
21	2111	2116	2125	N06	W32	SF	C4.5	9311	2.5E-03
21	2308	2312	2319	N05	W32	SF	M1.1	9311	4.9E-03
22	0640	0649	0657	S05	E24	SF	C2.7	9313	2.0E-03
22	2157	2205	2215				C2.8	2.5E-03	
23	0256	0303	0326				B9.8	1.4E-03	
23	1747	1759	1818				C2.5	3.8E-03	
23	2032	2044	2114	N05	W65	SF	C4.3	9311	8.3E-03
23	2319	2324	2334				C2.2	1.8E-03	
24	0038	0049	0100	N06	W65	1F	C9.2	9311	7.3E-03
24	0404	0419	0425				C1.6	1.7E-03	
24	0525	0534	0547				C2.6	2.9E-03	
24	0716	0727	0737	S05	E41	SF	C1.8	9321	1.8E-03
24	0815	0818	0822	N04	W69	SF	C1.3	9311	4.7E-04
24	0828	0831	0834				C1.2	4.0E-04	
24	1055	1106	1111				C6.4	4.2E-03	
24	1236	1250	1255	S17	W80	SF	C2.2	9319	2.4E-03
24	1437	1447	1450	N06	W77	2F	M1.0	9311	4.4E-03
24	1540	1551	1555	N06	W78	SF	C6.3	9311	3.6E-03
24	1708	1713	1722				C1.4	1.1E-03	
24	1825	1834	1842	N06	W78	SF	C4.5	9311	3.6E-03
24	1929	1932	1939	N07	W79	SF	C2.1	9311	1.2E-03
24	2019	2022	2025				C1.9	5.1E-04	
24	2041	2045	2048	N07	W80	SF	C1.4	9311	4.3E-04
24	2323	2345	2348				C4.2	2.9E-03	
25	0026	0031	0035				C1.7	6.6E-04	
25	0145	0150	0155				C1.0	5.6E-04	
25	0213	0219	0224				C2.9	1.3E-03	

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
25	0313	0319	0324				C1.3	8.0E-04	
25	0547	0551	0600				C1.2	7.7E-04	
25	0608	0614	0619				C1.5	8.1E-04	
25	0707	0713	0718				C7.4	3.0E-03	
25	0816	0823	0835				C4.0	3.3E-03	
25	0850	0854	0857				C4.2	1.3E-03	
25	1022	1028	1036				C2.9	1.8E-03	
25	1102	1106	1115				C1.2	8.8E-04	
25	1143	1147	1152				C1.8	9.2E-04	
25	1217	1220	1223	N05	W89	SF	C1.1	9311	3.6E-04
25	1358	1407	1417	S06	W29	SF	C1.4	9313	1.4E-03
25	1552	1557	1605				C1.4	9.4E-04	
26	0253	0300	0309				C1.6	1.4E-03	
26	0553	0607	0613	N10	E63	1B	M1.0	9325	5.5E-03
26	0850	0856	0904	S07	W28	SF	C1.3	9313	9.6E-04
26	1150	1206	1220	S23	W57	SF	C1.6	9320	2.4E-03
26	1421	1426	1431	S04	W32	SF	B8.9	9313	4.6E-04
26	1556	1752	1915				C1.3	1.4E-02	
26	2006	2012	2016	S05	W35	SF	C2.4	9313	1.0E-03
27	0553	0557	0600	N11	E48	SF	C1.6	9325	5.8E-04
27	0732	0751	0756	S05	W04	SF	C1.2	9321	1.3E-03
27	1110	1114	1117				C1.0	3.4E-04	
27	1209	1228	1246				C2.1	3.8E-03	
27	1854	1903	1911				C3.1	2.4E-03	
27	2037	2041	2046				C1.2	6.0E-04	
27	2223	2227	2231				C1.4	6.3E-04	
27	2346	2351	2358				C1.6	1.0E-03	
28	0019	0029	0035	S05	W49	SF	C1.4	9313	1.2E-03
28	0455	0500	0507	S12	E76	SF	C1.6	9.2E-04	
28	0708	0711	0713	S04	W16	SF	C1.0	9321	2.4E-04
28	0724	0727	0734	N11	E31	SF	B7.7	9325	4.0E-04
28	1255	1259	1303				B9.5	3.9E-04	
28	1540	1600	1624	S04	W59	1N	M1.5	9313	3.0E-02
28	1846	1850	1854	S14	E67	SF	C2.9	1.3E-03	
29	0406	0428	0440	S10	E60	SF	C1.8	9329	2.4E-03
29	1335	1341	1353				C1.6	1.4E-03	
29	1532	1540	1550	S09	E57	SF	C5.7	9329	3.6E-03
29	1741	1804	1825				C2.1	4.3E-03	
30	0048	0055	0109				C3.7	3.2E-03	
30	1501	1513	1525				C2.2	2.5E-03	
30	1822	1853	1906	N23	E74	SF	C2.0	9330	3.8E-03
30	2218	2237	2307				C2.6	6.9E-03	
31	2315	2350	2356				C1.3	2.1E-03	

Preliminary GOES Satellite Daily X-Ray Background Feb 2000 - Jan 2001



Day	Feb 00	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan 01
1	B5.2	B9.2	C1.3	B4.4	B6.4	B7.4	B5.2	B4.5	C1.5	B8.0	B8.0	B4.9
2	B4.7	B9.9	C1.2	B5.0	B5.0	B6.7	B4.4	B6.3	C1.3	B8.4	B8.4	B5.4
3	B6.4	C1.2	C1.0	B4.5	C5.6	B5.7	B7.0	B4.6	B7.7	B8.0	B8.0	B6.5
4	B5.5	B8.1	C1.1	B5.0	B5.9	B5.7	B6.0	B7.5	B7.0	C2.0	C2.0	C3.9
5	B7.2	C1.1	C1.5	B4.7	C1.3	B5.9	B4.4	C1.1	B6.1	C1.2	C1.2	B6.9
6	B7.1	C1.2	B9.6	B5.1	C1.0	B6.2	B7.4	B8.2	B5.3	B8.0	B8.0	B6.0
7	B7.5	C1.2	B8.7	B2.3	C1.6	C1.0	B6.0	B5.5	B5.3	B8.9	B8.9	C1.0
8	B7.5	C1.6	B7.6	B2.9	C1.3	C1.0	B7.7	B6.8	B7.4	C1.1	C1.1	B7.4
9	B7.1	B9.7	C1.0	B3.9	B7.7	C3.3	B7.9	B5.1	B5.0	M1.1	M1.1	B7.3
10	C1.3	B8.2	C1.8	B7.4	B7.1	C1.7	B8.7	B8.6	C1.7	C1.3	C1.3	C1.7
11	B7.3	B8.1	B7.6	C1.0	C1.0	C5.5	B8.2	B4.1	B5.3	B6.1	B6.1	B8.0
12	C1.3	C1.6	C1.1	C1.2	C1.1	C2.4	C1.4	B5.1	B4.7	B4.9	B4.9	B5.6
13	B5.3	B8.9	B5.6	C2.6	B8.8	C3.6	B9.7	B3.8	C1.3	B4.8	B4.8	B6.7
14	B8.1	B8.7	B5.4	C4.1	B9.4	C2.9	B9.3	B5.5	C1.1	B4.7	B4.7	B7.7
15	B3.7	B7.7	B5.3	C1.8	C1.0	C2.6	B9.0	B6.7	C1.2	B5.1	B5.1	B6.7
16	B4.6	B7.2	B4.8	C1.3	C1.2	C1.7	C1.4	B7.4	C1.5	B9.9	B9.9	B5.5
17	B5.9	C1.4	B5.1	C2.7	C1.1	C2.3	B6.7	C1.3	B8.8	B6.3	B6.3	B7.9
18	B8.1	C3.4	B4.7	C2.0	C1.3	C1.5	B5.1	C1.3	B8.2	B8.3	B8.3	B5.8
19	B4.2	C6.1	B7.2	C2.9	B7.4	C2.1	B5.5	C1.6	B6.8	C1.4	C1.4	B4.8
20	B9.0	C2.9	C1.0	C2.2	B6.7	C2.6	B5.0	C1.0	B5.5	C1.8	C1.8	B7.3
21	B8.0	C1.3	B8.7	C1.9	B7.9	C2.1	B6.8	C1.1	B5.3	B8.7	B8.7	B7.3
22	B8.4	C1.8	B8.9	C1.6	C1.2	C2.3	B5.5	C1.1	B5.1	C1.0	C1.0	B6.2
23	C2.6	C1.6	B7.4	B9.6	B9.9	C1.8	B4.5	C2.3	B6.6	C1.4	C1.4	B5.6
24	C2.1	C1.7	B7.6	C2.4	B8.1	C1.5	B4.5	C1.3	B6.1	C1.9	C1.9	C1.1
25	C1.1	C1.5	B6.2	C1.9	C1.2	C1.4	B3.8	C1.4	B6.0	C2.1	C2.1	B5.2
26	B8.7	C1.4	B5.5	B7.9	C1.1	C1.5	B4.3	C1.0	B9.4	B8.7	B8.7	B5.4
27	C4.9	C1.0	B5.1	B6.2	B7.9	C1.3	B5.8	C1.7	C1.0	B8.9	B8.9	B5.9
28	B8.4	C1.1	B5.7	B8.7	B7.3	B9.2	B8.8	C1.4	C1.1	B8.9	B8.9	B8.1
29		C1.5	B5.8	B5.7	B6.2	B6.6	B7.1	C1.1	C1.5	B8.7	B8.7	B7.8
30		C1.2	B6.0	B8.0	B8.0	B5.5	C1.7	C1.2	B9.4	B7.3	B7.3	B5.9
31		C1.2		B7.3		B4.6	B5.2		C1.0			B7.4

JANUARY 2001

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
17	EPL	1404	1424	S14	E90	01 24.4	1		9	9	E	SVTO		
19	DSF	2137U	1141U	S18	E09	01 20.6		08	0	0	E	RAMY		
21	DSF	1912	1917	S07	E40	01 24.8	3	07	0	0	E	RAMY	9313	
24	DSF	1616U	1205U	N13	W13	01 23.7		16	0	0	E	RAMY		
24	DSF	1616U	1205U	S14	W47	01 21.1		08	0	0	E	RAMY		
29	DSF	2322U	1534U	N29	E12	01 30.9	3	24	0	0	E	HOLL		
31	BSD	1536	1544	S22	W80	01 25.5			0	0	E	HOLL	9316	
31	BSD	1536	1544	S77	W21	01 29.7		11	0	0	E	RAMY	9316	

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

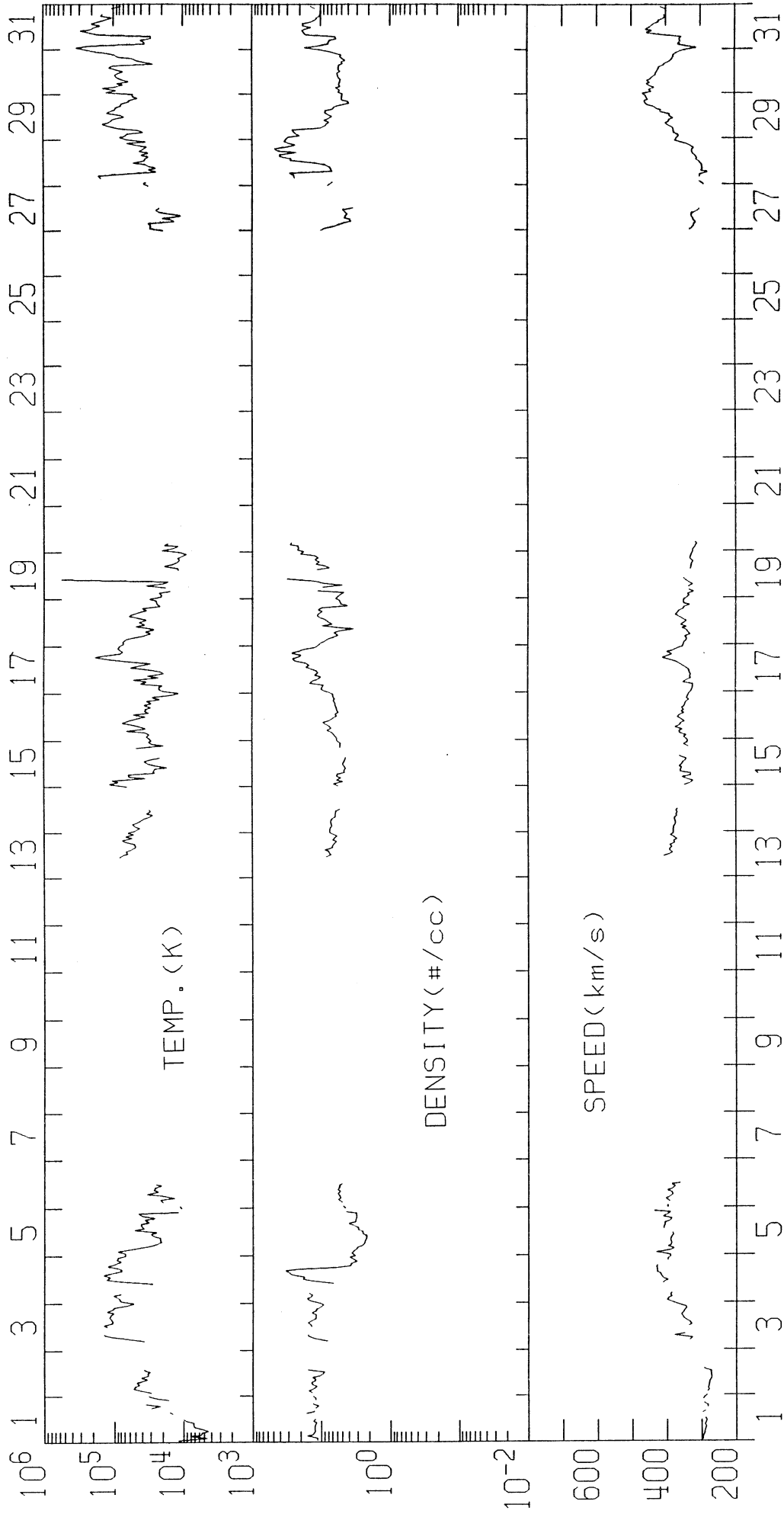
The remark "Bright Emission 1/3" indicates that bright emission was observed 1/3 of time.
The remark "Normal Emission 1/3" indicates that normal emission was observed 1/3 of time.

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

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

NOTE: The U.S. Air Force solar observing sites (HOLL, LEAR, RAMY, AND SVTO) have changed operational requirements and will only report the following: BSL, EPL, LPS, SPY, and DSF's.

IMP 8 SOLAR WIND PLASMA
MIT/CSR IMP 8 PLASMA PARAMETERS
JANUARY 2001



JAN 2001

IMP 8
MIT
ONE-HOUR AVERAGES