

APRIL 2001 NUMBER 680 - Part II

Solar-Geophysical Data comprehensive reports



Data for October 2000 and Miscellaneous
Explanation of Data Reports Issued as Number 515 (Supplement) July 1987

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NATIONAL ENVIRONMENTAL SATELLITE,
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APRIL 2001 NUMBER 680 - Part II

Solar-Geophysical Data comprehensive reports

Data for October 2000 and Late Data

International Standard Serial Number: 0038-0911

Library of Congress Catalog Number: 79-640375 //r81

NATIONAL GEOPHYSICAL DATA CENTER

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Subscription information is on the inside back cover.

SOLAR-GEOPHYSICAL DATA

Number 680

(Issued in Two Parts)

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Oct 00

H α S O L A R F L A R E S

OCTOBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	LEAR	01	0153	0156	0206	S06	E25	9176	10	2.9	13	1F		3	E		137		
0002	LEAR	01	0413	0425	0449	S08	E20	9176	10	2.7	36	SF		3	E		35		H
		01	0436		0638	No Flare Patrol													
0003	LEAR	01	0455	0455	0503	S12	W07	9173	09	30.7	8	SF		3	E		20		
0004	LEAR	01	0548	0557	0613	S21	E33	9178	10	3.8	25	SF		4	E		49		
0005	LEAR	01	0738	0741	0748	S21	E32	9178	10	3.8	10	SF		4	E		31		
0006	KHAR	01	0900E		0912	N04	W90	9169	09	24.7	12D	SF		3	P	0905	50		
0007	KHAR	01	0915U	0916	0928	S18	E34	9178	10	4.0	13U	SN		3	V				L
0008	KHAR	01	0948	0952	0955	S17	E32	9178	10	3.8	7	SF		3	V				DL
0009	KHAR	01	0950	0951	1004	S20	W90		09	24.6	14	SF		3	P	1002	35		DO
0010	KHAR	01	0958		1012	N24	W40	9177	09	28.4	14	SF		3	P	1002	30		D
		01	1026		1058	No Flare Patrol													
0011	RAMY	01	1123	1124	1140	S22	E26	9178	10	3.5	17	SF		3	E		31		F
		01	1126		1139	No Flare Patrol													
0012	RAMY	01	1138	1146	1151	N29	W35	9177	09	28.8	13	SF		3	E		14		F
0013	RAMY	01	1257	1303	1328	S10	E15	9176	10	2.7	31	1F		3	E		81		F
0014	HOLL	01	1318E	1318U	1455D	S24	E27	9178	10	3.6	97D	SF		3	E		80		
0015	HOLL	01	1532	1533	1546	S22	E30	9178	10	3.9	14	SF		3	E		30		F
0016	RAMY	01	1649	1703	1728	S15	W11	9173	09	30.9	39	SF		3	E		77		F
0017	HOLL	01	1649	1715	1719	S15	W07	9173	10	1.2	30	1F		3	E		115		
0018	HOLL	01	1658	1659	1705	S21	E29	9178	10	3.9	7	SF		3	E		17		
0019	HOLL	01	1710	1721	1725	S22	E31	9178	10	4.1	15	SF		3	E		21		
0020		01	1725*	17381	1838	S25	E32	9178	10	4.2	73	SF					52		FH
	HOLL	01	1725	1738	1903	S23	E34	9178	10	4.3	98	SF		3	E		55		FH
	RAMY	01	1739	1739	1814	S27	E30	9178	10	4.1	35	SF		3	E		50		F
0021		01	17552	17571	1804	N28	W39	9177	09	28.8	9	SF					27		
	HOLL	01	1755	1757	1806	N27	W40	9177	09	28.7	11	SF		3	E		25		
	RAMY	01	1757	1758	1802	N28	W38	9177	09	28.9	5	SF		3	E		29		
0022	HOLL	01	2010	2016	2030	S21	E27	9178	10	3.9	20	SF		3	E		27		FH
0023	HOLL	01	2055	2057	2104	S20	E25	9178	10	3.8	9	SF		3	E		27		F
0024	HOLL	01	2213	2214	2255	S21	E25	9178	10	3.8	42	SF		3	E		28		
		02	0000		0015	No Flare Patrol													
0025	URUM	02	0154	0158	0214	S10	E08	9176	10	2.7	20	SB			C		161	1.7	E
0026	LEAR	02	0247	0249	0331	S09	E07	9176	10	2.6	44	SF		3	E		96		F
0027	URUM	02	0316	0320	0332	N29	W44	9177	09	28.8	16	SN			C		64	1.0	E
0028	URUM	02	0435E	0435	0450	N27	W45	9177	09	28.8	15D	SN			P		48	0.7	E
0029	LEAR	02	0525	0525	0531	S10	W13	9173	10	1.2	6	SF		3	E		43		H

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Oct 00

H α SOLAR FLARES

OCTOBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0051	LEAR	05	0601	0609	0701	N14	W61	9172	09	30.6	60	1F		3	E		156		F
			05 0916		1048	No Flare Patrol													
0052	HOLL	05	2156	2158	2205	S26	E32	9181	10	8.4	9	SF		4	E		13		F
0053	HOLL	05	2315	2316	2320	N02	E38	9182	10	8.8	5	SF		3	E		23		F
0054	LEAR	06	0746	0747	0757	S10	W42	9176	10	3.2	11	SF		3	E		25		F
			06 0929		1057	No Flare Patrol													
0055	RAMY	06	1905	1909	1916	S03	E21	9182	10	8.4	11	SF		3	E		17		H
0056	LEAR	07	0459	0501	0505	S23	W42	9178	10	4.0	6	SF		3	E		36		
			07 0955		1054	No Flare Patrol													
			07 2200		2230	No Flare Patrol													
0057	LEAR	07	2338	2340	2354	S27	E02	9181	10	8.1	16	1F		3	E		117		U
0058	LEAR	08	0551	0553	0602	S09	W65	9176	10	3.4	11	SF		3	E		20		
0059	LEAR	08	0612E	0613U	0621	N23	E65		10	13.3	9D	SF		3	E		90		
0060	LEAR	08	0647	0649	0651	S11	W67	9176	10	3.2	4	SF		3	E		32		F
0061	LEAR	08	0850	0850	0855	S11	W69	9176	10	3.2	5	SF		3	E		33		
0062	RAMY	08	1111	1116	1119	S09	W72	9176	10	3.1	8	SF		3	E		25		
			08 1636		1912	No Flare Patrol													
			08 2049		2258	No Flare Patrol													
0063	LEAR	08	2340	2344	2353	S27	W11	9181	10	8.1	13	SF		3	E		11		
0064		09	01463	0153	0200	S28	W07	9181	10	8.5	14	SF					24	0.4	D
	LEAR	09	0146	0153	0203	S29	W07	9181	10	8.5	17	SF		3	E		17		
	URUM	09	0149	0153	0157	S28	W07	9181	10	8.5	8	SF			C		32	0.4	D
0065		09	0750	0754	0806	N00	W14	9182	10	8.3	16	SF					54	0.9	EFH
	URUM	09	0750	0754	0805	S00	W13	9182	10	8.3	15	SF			C		80	0.9	E
	LEAR	09	0750	0754	0806	N00	W15	9182	10	8.2	16	SF		4	E		28		FH
			09 0935		0950	No Flare Patrol													
0066		09	13132	1314	1329	N02	W18	9182	10	8.2	16	1N					78		F
	RAMY	09	1313	1314	1333	N02	W18	9182	10	8.2	20	1N		3	E		119		F
	SVTO	09	1315	1315U	1325	N01	W17	9182	10	8.3	10	SF		3	E		36		F
0067		09	13421	1343	1358	S01	W16	9182	10	8.4	16	SF					55		F
	RAMY	09	1342	1343	1358	N00	W17	9182	10	8.3	16	SF		3	E		77		F
	SVTO	09	1343	1343	1359D	S02	W15	9182	10	8.4	16D	SF		3	E		33		
			09 1509		1601	No Flare Patrol													
0068	RAMY	09	1658	1658	1702	N01	W20	9182	10	8.2	4	SF		3	E		22		
			09 1835		2115	No Flare Patrol													
			09 2131		2303	No Flare Patrol													
0069	LEAR	09	2322	2345	2428	N01	W14	9182	10	8.9	66	1F		4	E		167		FU
0070	URUM	10	0250	0254	0258	N02	W26	9182	10	8.2	8	SF			C		32	0.4	E
0071	LEAR	10	0331	0333	0347	N02	W28	9182	10	8.0	16	SF		3	E		13		
0072		10	04031	04062	0422	N02	W27	9182	10	8.1	19	SN					80	1.5	EF
	LEAR	10	0403	0406	0428	N02	W27	9182	10	8.1	25	SF		3	E		30		F
	URUM	10	0404	0408	0416	N03	W27	9182	10	8.1	12	SN			C		129	1.5	E

H α SOLAR FLARES

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Oct 00

OCTOBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0073		10	06484	06532	0703	S00	W25	9182	10	8.4	15	SF					29		FU	
	LEAR	10	0648	0653	0705	N00	W26	9182	10	8.3	17	SF	3	E			37		UF	
	SVTO	10	0652	0655	0701	S01	W24	9182	10	8.5	9	SF	3	E			21		F	
0074	RAMY	10	1514	1515	1527	S01	W30	9182	10	8.4	13	SF	3	E			56			
		10	1855		2004	No Flare Patrol														
		10	2017		2024	No Flare Patrol														
		10	2139		2250	No Flare Patrol														
		10	2304		2320	No Flare Patrol														
0075	LEAR	11	0122E	0127U	0141	N01	W33	9182	10	8.6	19D	SF	3	E			31			
0076	URUM	11	0518	0522	0526	N02	W35	9182	10	8.6	8	SF		C			32	0.4	E	
0077		11	06121	06201	0638	N03	W42	9182	10	8.1	26	SF					20	0.2	DF	
	URUM	11	0612	0620	0635	N03	W42	9182	10	8.1	23	SF		C			16	0.2	D	
	LEAR	11	0613	0621	0640	N03	W41	9182	10	8.2	27	SF	3	E			24		F	
0078		11	08332	08336	0840	S14	W32	9184	10	8.9	7	SN					40	0.8	E	
	SVTO	11	0833	0833	0836	S14	W33	9184	10	8.9	3	SF	3	E			15			
	LEAR	11	0834	0834	0841	S14	W33	9184	10	8.9	7	SF	3	E			41			
	URUM	11	0835	0839	0843	S14	W31	9184	10	9.0	8	SB		C			64	0.8	E	
		11	1001		1038	No Flare Patrol														
0079	HOLL	11	2004E	2015U	2016D	N01	W47	9182	10	8.3	12D	SF	2	E			29		U	
		11	2008		2014	No Flare Patrol														
		11	2017		2030	No Flare Patrol														
		11	2113		2229	No Flare Patrol														
0080	LEAR	11	2306	2307	2313	S20	E34	9190	10	14.6	7	SF	3	E			19			
0081	RAMY	12	1131	1137	1137D	N03	W59	9182	10	8.1	6D	1F	3	E			109			
		12	1739		1924	No Flare Patrol														
		12	1940		2125	No Flare Patrol														
0082	HOLL	12	2117E	2127U	2139	N02	W56	9182	10	8.7	22D	SF	2	E			15			
		12	2148		2207	No Flare Patrol														
		12	2222		2233	No Flare Patrol														
0083	LEAR	12	2235E	2245U	2300	N13	W72	9195	10	7.5	25D	SF	2	E			24			
0084		12	2347	2350	2354	N21	E72	9197	10	18.5	7	SF					32			
	HOLL	12	2344E	2349U	2357D	N22	E69	9197	10	18.3	13D	SF	2	E			49			
	LEAR	12	2347	2350	2354	N20	E74	9197	10	18.6	7	SF	3	E			14			
0085	LEAR	13	0414	0419	0439	S35	W54	9196	10	8.8	25	SF	3	E			25			
0086	LEAR	13	0435	0446	0448	N12	W73	9195	10	7.7	13	SF	3	E			24			
0087	LEAR	13	0506	0513	0517	N13	W71	9195	10	7.8	11	SF	3	E			25			
0088	LEAR	13	0519	0522	0525	N05	W67	9182	10	8.2	6	SF	3	E			22			
0089		13	05405	05454	0556	N12	W72	9195	10	7.8	16	1N					66		E	
	LEAR	13	0540	0545	0556	N13	W72	9195	10	7.8	16	SF	3	E			37			
	URUM	13	0545	0549	0549D	N11	W72	9195	10	7.8	4D	1N		P			96		E	
0090		13	0602*	0619*	0655	N12	W73	9195	10	7.7	53	2B					206		E	
	LEAR	13	0602	0619	0655	N11	W74	9195	10	7.7	53	2N	3	E			251		E	
	URUM	13	0624	0629	0629D	N12	W72	9195	10	7.8	5D	1B		P			161		E	
0091	KANZ	13	0658E		0658D	N14	E01	9189	10	13.4	5D	SF	2	E						
0092	URUM	13	0937E	0937	0941	N11	W72	9195	10	8.0	4D	SN		P			64		E	

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H α S O L A R F L A R E S

OCTOBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0140	LEAR	20	0001E	0001	0007	N09	W06	9199	10	19.5	6D	SF		3	E		18		F
0141	LEAR	20	0055	0113	0115D	N07	E08	9199	10	20.6	20D	SF		3	E		35		F
		20	0941		1045	No Flare Patrol													
0142	RAMY	20	1356	1359	1408	N07	E03	9199	10	20.8	12	SF		3	E		10		F
0143	RAMY	20	1809	1812	1822	N09	W03	9199	10	20.5	13	SF		3	E		19		F
0144	RAMY	20	2019	2019	2022	N09	W04	9199	10	20.5	3	SF		3	E		16		F
		20	2119		2123	No Flare Patrol													
		20	2130		2148	No Flare Patrol													
0145	LEAR	21	0307	0309	0312	N09	W08	9199	10	20.5	5	SF		3	E		15		F
0146	LEAR	21	0521	0526	0535	N09	W09	9199	10	20.5	14	SF		3	E		28		
0147	LEAR	21	0656	0707	0714	N19	E29	9201	10	23.5	18	SF		3	E		27		
		21	0949		1038	No Flare Patrol													
0148	SVTO	21	0956E	0957U	1012	N08	W09	9199	10	20.7	16D	SF		3	E		40		F
0149		21	1402	14042	1411	N16	E16	9201	10	22.8	9	SF					67		F
	SVTO	21	1402	1404	1412	N16	E16	9201	10	22.8	10	SF		3	E		50		F
	RAMY	21	1402	1406	1410	N16	E16	9201	10	22.8	8	SF		3	E		84		F
0150	RAMY	21	1816	1825	1915	N17	E23	9201	10	23.5	59	1N		3	E		232		
		21	1951		2003	No Flare Patrol													
		21	2025		2229	No Flare Patrol													
0151	LEAR	22	0228	0232	0235	N18	W29	9203	10	19.9	7	SF		3	E		12		
0152	LEAR	22	0318	0319	0322	N07	W17	9199	10	20.9	4	SF		3	E		27		
0153	LEAR	22	0447	0450	0456	N07	W19	9199	10	20.8	9	SF		3	E		21		F
0154	KANZ	22	1159	1159	1202	N20	E04	9201	10	22.8	3	SF		2	E				
		22	1937		1951	No Flare Patrol													
0155	HOLL	22	2108E	2109U	2131D	N16	E05	9201	10	23.2	23D	SF		3	E		28		
		22	2111		2232	No Flare Patrol													
0156	URUM	23	0231E	0231	0235	N05	W38	9199	10	20.3	4D	SN			P		32	0.4	E
0157		23	0622	06261	0651	N06	W39	9199	10	20.3	29	SF					68		
	KANZ	23	0622	0626	0650	N06	W38	9199	10	20.4	28	SF		2	E				
	LEAR	23	0622	0627	0652	N06	W40	9199	10	20.3	30	SF		3	E		68		
0158	KANZ	23	0736	0736	0749	N15	E00	9201	10	23.3	13	SF		2	E				
0159	URUM	23	1002E	1002	1006	N09	W31	9199	10	21.1	4D	SB			P		96	1.2	E
0160	KANZ	23	1005	1006	1013	N15	W02	9201	10	23.3	8	SF		2	E				
0161	KANZ	23	1021	1022	1030	N15	W01	9201	10	23.3	9	SF		2	E				
0162	KANZ	23	1245	1246	1248	N15	W08	9201	10	22.9	3	SF		2	E				
0163	KANZ	23	1339	1340	1352	N31	E47		10	27.3	13	SF		2	E				
0164	KANZ	23	1434	1434	1437	N06	W46	9199	10	20.2	3	SF		2	E				
		23	1854		1952	No Flare Patrol													
		23	2041		2056	No Flare Patrol													

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H α SOLAR FLARES

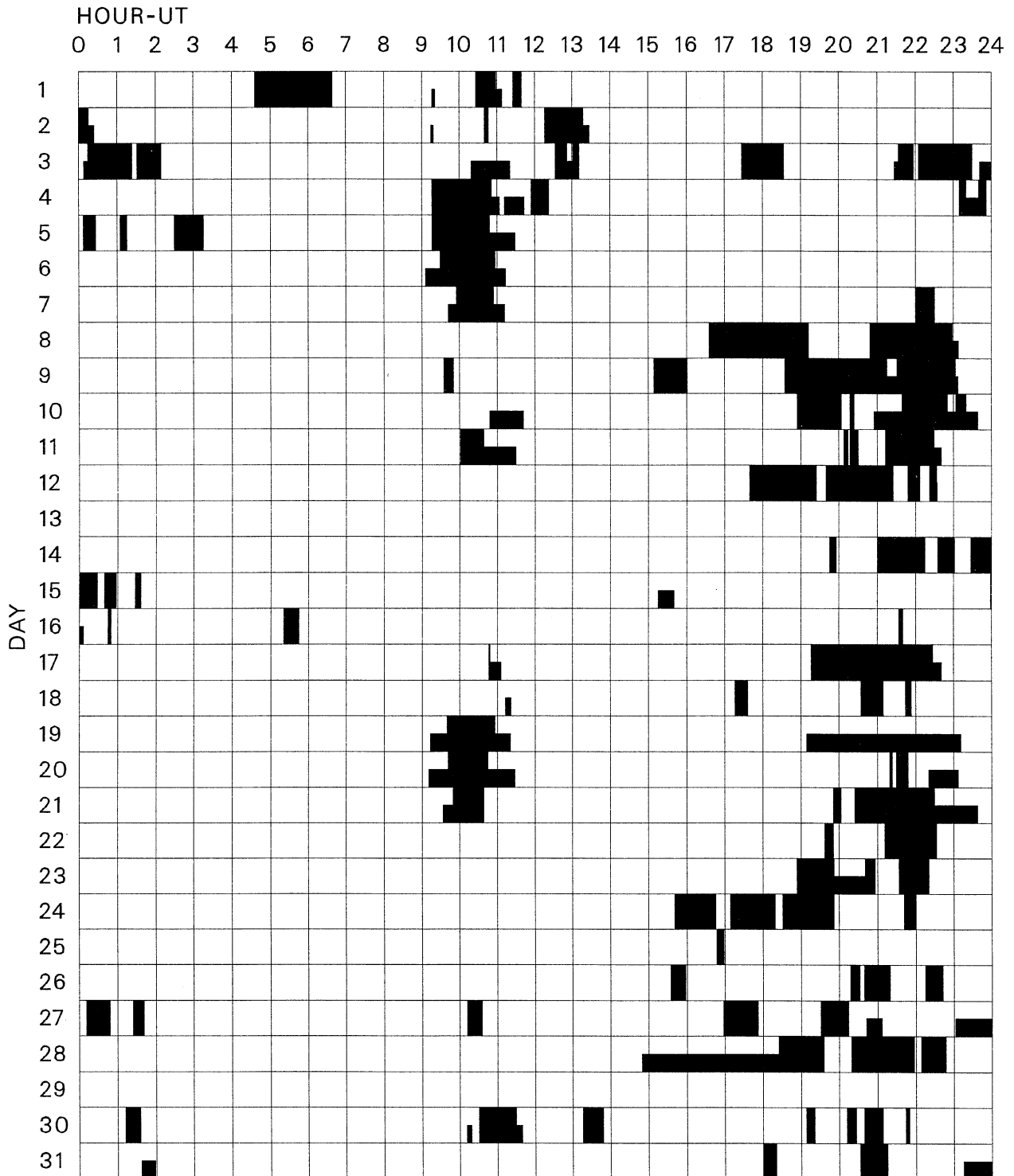
OCTOBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
		28	2019		2157	No Flare Patrol													
0186	HOLL	28	2151	2151	2201	S12	E70	9214	11	3.2	10	SF		3	E			47	
		28	2208		2247	No Flare Patrol													
0187	HOLL	28	2309	2312	2318	S12	E69	9214	11	3.2	9	SF		3	E			37	
0188	LEAR	28	2327	2327	2332	S02	E72	9213	11	3.3	5	SF		3	E			28	
0189	LEAR	29	0050	0051	0058	N07	E75	9212	11	3.6	8	SF		3	E			40	
0190	LEAR	29	0130	0151	0327	S25	E35	9209	10	31.8	117	2B		3	E			497	F
0191	LEAR	29	0216	0216	0222	S30	E32	9210	10	31.6	6	SF		3	E			14	
0192	LEAR	29	0245	0251	0303	S27	E42	9210	11	1.4	18	SF		3	E			20	
0193	URUM	29	0259E	0259	0315	S22	E33	9209	10	31.7	16D	SF			P			32	0.4 E
0194	LEAR	29	0546	0551	0558	N07	E70	9212	11	3.5	12	SF		3	E			73	
0195	LEAR	29	0611	0614	0627	S12	E64	9214	11	3.1	16	1F		3	E			113	
0196	LEAR	29	0637	0638	0648	S12	E65	9214	11	3.2	11	SF		3	E			45	
0197	KANZ	29	1007	1009	1017	S20	E29	9209	10	31.6	10	SF		2	E				
0198	HOLL	29	2110	2113	2119	S20	E25	9209	10	31.8	9	SF		3	E			19	
		30	0112		0135	No Flare Patrol													
0199		30	07253	07275	0737	S21	E20	9209	10	31.8	12	SN						64	0.8 E
	KANZ	30	0725	0727	0738	S21	E19	9209	10	31.8	13	SF		2	E				
	URUM	30	0728	0732	0736	S21	E21	9209	10	31.9	8	SN			C			64	0.8 E
		30	1030		1130	No Flare Patrol													
		30	1316		1348	No Flare Patrol													
0200	SVTO	30	1346	1348	1403	S21	E15	9209	10	31.7	17	SF		3	E			69	
0201	RAMY	30	1350	1350	1412	S23	E08	9209	10	31.2	22	1F		3	E			108	H
0202	SVTO	30	1420	1420	1425	S25	E21	9210	11	1.2	5	SF		3	E			28	
		30	1908		1921	No Flare Patrol													
		30	2012		2026	No Flare Patrol													
		30	2039		2108	No Flare Patrol													
		30	2144		2150	No Flare Patrol													
0203	LEAR	31	0006	0010	0031	S21	E08	9209	10	31.6	25	SF		3	E			63	FH
0204		31	02536	03003	0320	S20	E08	9209	10	31.7	27	1N						129	1.5 EF
	LEAR	31	0253	0300	0322	S18	E07	9209	10	31.6	29	1F		3	E			129	F
	URUM	31	0259	0303	0319	S21	E09	9209	10	31.8	20	SB			C			129	1.5 E
0205	URUM	31	0457E	0457	0509	S20	E00	9209	10	31.2	12D	SF			P			80	0.9 E
0206	SVTO	31	0857	0858	0907	S17	W26	9207	10	29.4	10	SF		3	E			14	F
0207	RAMY	31	1750	1751	1800	S02	E35	9213	11	3.3	10	SF		3	E			28	
		31	1801		1821	No Flare Patrol													
0208	HOLL	31	2020	2026	2029	S20	W02	9209	10	31.7	9	SF		3	E			14	E
		31	2033		2115	No Flare Patrol													

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

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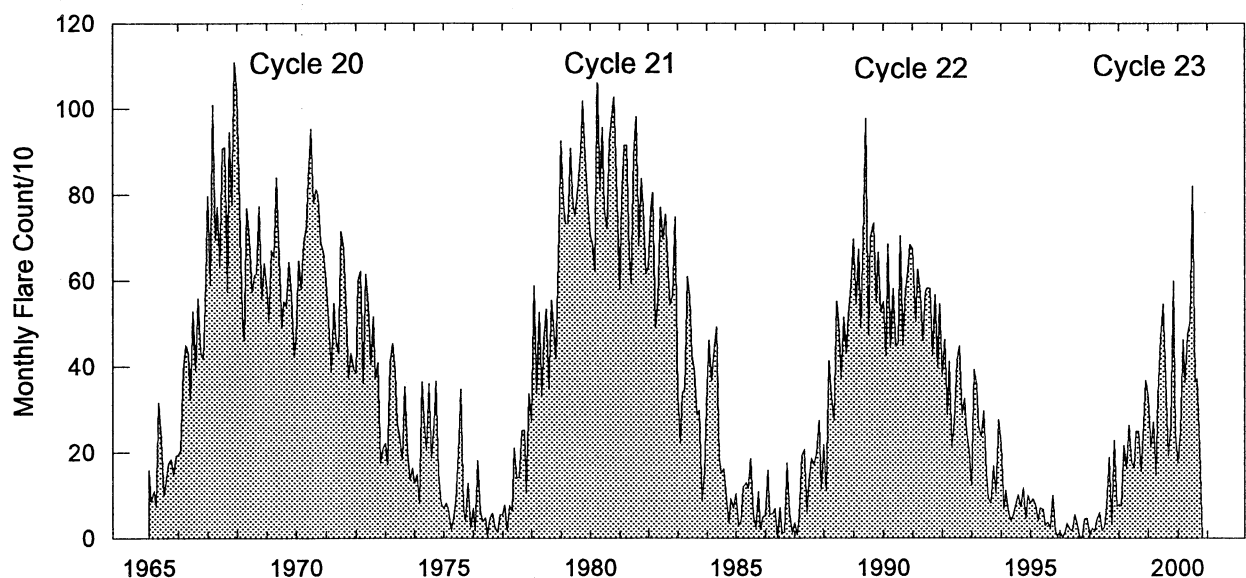
OCTOBER 2000



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
Mitaka	Kharkov	Kanzelhoehe		

Monthly Counts of Grouped Solar Flares Jan 1965 - Oct 2000



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			3987

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

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OCTOBER 2000

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	0143.0	0147.0	150.0	100.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0143.0	0147.0	1337.0	100.0			QL=4 ST=1 TYP=1
	204	IZMI	43 NS	0600.0		360.0D		5.0		
	127	TORN	44 NS	0620.0E		520.0D		1.0		V=0,DISTURBED
	245	SGMR	43 NS	1151.0	1930.0	579.0	210.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1151.0	1156.0	729.0	170.0			QL=4 ST=1 TYP=1
	235	CUBA	44 NS	1440.0E		380.0D		15.0		
	280	CUBA	44 NS	1440.0E		380.0D		20.0		
	245	PALE	43 NS	2015.0	2037.0	225.0	120.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	2015.0	2328.0	427.0	210.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2220.0	0000.0U	100.0				QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2220.0	0323.0U	309.0	300.0			QL=4 ST=2 TYP=1
	410	LEAR	8 S	0101.0	0101.0		190.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0101.0	0101.0		48.0			QL=4 ST=2 TYP=3
	200	HIRA	42 SER	0143.0	0157.0	16.0	50.0			MR
	5730	IRKU	8 S	0244.4	0244.6	1.6	16.0		U	
	200	HIRA	8 S	0412.0	0413.0	2.0	80.0			WR
	5730	IRKU	1 S	0412.5	0413.5	8.5	6.0		U	
	245	SVTO	48 C	0505.0	0509.0	8.0	65.0			QL=4 ST=2 TYP=8
	5730	IRKU	46 C	0625.6	0647.2	38.4	290.0		U	
	3000	IZMI	40 F	0629.4	0631.3	2.7	19.0		9.0	
	4995	SVTO	8 S	0630.0	0631.0	2.0	33.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0630.0	0631.0	2.0	71.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0630.0	0631.0	2.0	39.0			QL=4 ST=2 TYP=3
	2840	PEKG	3 S	0640.0	0647.2	31.0	227.5			
	3000	IZMI	45 C	0641.5	0649.9	18.2	125.0		81.0	
	2695	SVTO	4 S/F	0643.0	0647.0	20.0	200.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0643.0	0646.0	32.0	250.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0643.0	0646.0	32.0	170.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0643.0	0646.0	60.0	250.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0643.0	0646.0	1037.0	250.0			QL=4 ST=1 TYP=3
	8800	SVTO	4 S/F	0643.0	0646.0	1037.0	170.0			QL=4 ST=1 TYP=3
	4995	SVTO	4 S/F	0643.0	0646.0	1037.0	250.0			QL=4 ST=1 TYP=3
	2695	SVTO	4 S/F	0643.0	0647.0	1037.0	200.0			QL=4 ST=1 TYP=3
	1415	LEAR	4 S/F	0644.0	0647.0	9.0	51.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0644.0	0646.0	18.0	180.0			QL=4 ST=2 TYP=3
	2800	HIRA	3 S	0644.0	0647.0	20.0	180.0			WL
	15400	LEAR	4 S/F	0644.0	0646.0	28.0	64.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0644.0	0646.0	31.0	110.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0644.0	0646.0	42.0	91.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0644.0	0646.0	1036.0	180.0			QL=4 ST=1 TYP=3
	1415	LEAR	4 S/F	0644.0	0647.0	1036.0	51.0			QL=4 ST=1 TYP=3
	8800	LEAR	4 S/F	0644.0	0646.0	1036.0	110.0			QL=4 ST=1 TYP=3
	15400	LEAR	4 S/F	0644.0	0646.0	1036.0	64.0			QL=4 ST=1 TYP=3
	15400	SVTO	4 S/F	0644.0	0646.0	1036.0	91.0			QL=4 ST=1 TYP=3
	1415	SVTO	4 S/F	0645.0	0647.0	8.0	53.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0645.0	0647.0	1035.0	53.0			QL=4 ST=1 TYP=3
	200	HIRA	47 GB	0709.0	0709.0	1.0	1070.0			0
	245	LEAR	49 GB	0709.0	0709.0		550.0			QL=4 ST=2 TYP=6
	245	SVTO	49 GB	0709.0	0709.0		540.0			QL=4 ST=2 TYP=6
245	SVTO	49 GB	0709.0	0709.0		540.0			QL=4 ST=4 TYP=6	
204	IZMI	41 F	0709.2	0709.2	0.2	65.0				
204	IZMI	42 SER	0717.4	0719.8	2.7	151.0				
245	LEAR	8 S	0831.0	0831.0		110.0			QL=4 ST=2 TYP=3	
204	IZMI	25 R	0839.0	0911.6	201.0D	170.0				
245	LEAR	8 S	0910.0	0911.0	2.0	59.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1138.0	1138.0	1.0	74.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	1154.9	1155.6	0.9	347.0				
1415	SGMR	4 S/F	1256.0	1257.0	5.0	200.0			QL=4 ST=2 TYP=3	
245	SGMR	49 GB	1256.0	1256.0	5.0	1700.0			QL=4 ST=2 TYP=6	
410	SGMR	4 S/F	1256.0	1256.0	5.0	240.0			QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	1256.0	1257.0	5.0	160.0			QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	1256.0	1257.0	664.0	160.0			QL=4 ST=1 TYP=3	
410	SGMR	4 S/F	1256.0	1256.0	664.0	240.0			QL=4 ST=1 TYP=3	
245	SGMR	49 GB	1256.0	1256.0	664.0	1700.0			QL=4 ST=1 TYP=6	
1415	SGMR	4 S/F	1256.0	1257.0	664.0	200.0			QL=4 ST=1 TYP=3	
33	UPIC	48 C	1256.0	1258.5	11.0					
127	TORN	47 GB	1256.6	1258.0	3.1	2100.0	360.0			
2695	SGMR	4 S/F	1257.0	1257.0	4.0	37.0			QL=4 ST=2 TYP=3	

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

OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Mean	Int	Remarks	
01	4995	SGMR	4 S/F	1257.0	1257.0	4.0	33.0			QL=4 ST=2 TYP=3	
	4995	SGMR	4 S/F	1257.0	1257.0	663.0	33.0			QL=4 ST=1 TYP=3	
	4995	SGMR	4 S/F	1359.0	1400.0	5.0	50.0			QL=4 ST=2 TYP=3	
	8800	SGMR	4 S/F	1359.0	1400.0	5.0	59.0			QL=4 ST=2 TYP=3	
	15400	SGMR	8 S	1400.0	1402.0	2.0	36.0			QL=4 ST=2 TYP=3	
	6700	CUBA	21 GRF	1438.0	1503.0	73.0	13.0	6.0		13R	
	9500	CUBA	2 S/F	1459.0	1500.0	4.0	46.0	21.0			
	6700	CUBA	2 S/F	1459.0	1459.5	3.6	46.0	23.0		10R	
	6700	CUBA	1 S	2012.3	2012.8	1.5	8.0	4.0		24R	
	2800	PENT	21 GRF	2048.0	2056.0	29.0	7.0				
	245	LEAR	4 S/F	2340.0	2342.0	3.0	140.0			QL=4 ST=2 TYP=3	
	02	245	SVTO	43 NS	0533.0	0641.0	86.0	110.0			QL=4 ST=2 TYP=1
		245	SVTO	43 NS	0533.0	0641.0	1107.0	110.0			QL=4 ST=1 TYP=1
245		SVTO	43 NS	0533.0	0538.0	1107.0	86.0			QL=4 ST=1 TYP=1	
245		LEAR	43 NS	0548.0	0552.0	68.0	130.0			QL=4 ST=2 TYP=1	
245		LEAR	43 NS	0548.0	0548.0	1092.0	70.0			QL=4 ST=1 TYP=1	
245		LEAR	43 NS	0548.0	0552.0	1092.0	130.0			QL=4 ST=1 TYP=1	
204		IZMI	44 NS	0550.0E		370.0D		45.0			
127		TORN	44 NS	0620.0E		520.0D		20.0		V=2	
245		LEAR	43 NS	0910.0	0946.0	55.0	150.0			QL=4 ST=2 TYP=1	
245		LEAR	43 NS	0910.0	0913.0	890.0	55.0			QL=4 ST=1 TYP=1	
245		LEAR	43 NS	0910.0	0946.0	890.0	150.0			QL=4 ST=1 TYP=1	
245		SGMR	43 NS	1208.0	1228.0	712.0	83.0			QL=4 ST=1 TYP=1	
235		CUBA	44 NS	1300.0E		480.0D		13.0			
280		CUBA	44 NS	1300.0E		480.0D		20.0			
245		LEAR	43 NS	2233.0	2235.0	87.0	71.0			QL=4 ST=1 TYP=1	
245		LEAR	43 NS	2233.0	0056.0	87.0	130.0			QL=4 ST=1 TYP=1	
245		LEAR	43 NS	2233.0	0227.0	607.0	150.0			QL=4 ST=2 TYP=1	
245		PALE	43 NS	2238.0	2239.0	82.0	93.0			QL=4 ST=1 TYP=1	
245		LEAR	8 S	0207.0	0207.0	U	83.0			QL=4 ST=2 TYP=3	
245		LEAR	8 S	0207.0	0207.0	U	83.0			QL=4 ST=4 TYP=3	
2840		PEKG	5 S	0216.0	0218.2	5.0	12.3				
5730		IRKU	1 S	0217.5	0218.1	2.5	20.0		U		
5730		IRKU	46 C	0241.2	0259.4	29.8	116.0		U		
245		PALE	4 S/F	0245.0	0249.0	5.0	290.0			QL=4 ST=2 TYP=3	
410		LEAR	4 S/F	0246.0	0248.0	4.0	130.0			QL=4 ST=2 TYP=3	
245		LEAR	4 S/F	0246.0	0247.0	4.0	260.0			QL=4 ST=2 TYP=3	
410		PALE	4 S/F	0246.0	0249.0	7.0	180.0			QL=4 ST=2 TYP=3	
610		LEAR	4 S/F	0247.0	0248.0	3.0	20.0			QL=4 ST=2 TYP=3	
610		PALE	4 S/F	0247.0	0248.0	3.0	19.0			QL=4 ST=2 TYP=3	
500		HIRA	42 SER	0247.0	0300.0	35.0	270.0			MR	
200		HIRA	42 SER	0247.0	0320.0	36.0	40.0			0	
410		LEAR	4 S/F	0255.0	0300.0	7.0	320.0			QL=4 ST=2 TYP=3	
610		LEAR	49 GB	0256.0	0259.0	6.0	560.0			QL=4 ST=2 TYP=6	
610		PALE	49 GB	0256.0	0259.0	8.0	580.0			QL=4 ST=2 TYP=6	
2840		PEKG	5 S	0256.0	0259.3	8.0	38.2				
4995		LEAR	4 S/F	0257.0	0259.0	3.0	37.0			QL=4 ST=2 TYP=3	
8800		LEAR	4 S/F	0257.0	0259.0	3.0	36.0			QL=4 ST=2 TYP=3	
245		LEAR	4 S/F	0257.0	0259.0	4.0	400.0			QL=4 ST=2 TYP=3	
2695		PALE	4 S/F	0257.0	0259.0	4.0	24.0			QL=4 ST=2 TYP=3	
1415		PALE	4 S/F	0257.0	0300.0	5.0	44.0			QL=4 ST=2 TYP=3	
410		PALE	4 S/F	0257.0	0300.0	4.0	300.0			QL=4 ST=2 TYP=3	
245		PALE	4 S/F	0257.0	0259.0	4.0	420.0			QL=4 ST=2 TYP=3	
1415		LEAR	8 S	0259.0	0259.0	1.0	41.0			QL=4 ST=2 TYP=3	
2695		LEAR	8 S	0259.0	0259.0	U	23.0			QL=4 ST=2 TYP=3	
245		LEAR	4 S/F	0317.0	0320.0	4.0	370.0			QL=4 ST=2 TYP=3	
245		LEAR	8 S	0537.0	0538.0	2.0	74.0			QL=4 ST=2 TYP=3	
245		LEAR	4 S/F	0541.0	0543.0	3.0	58.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	0549.8	0550.8	1.5	244.0					
204	IZMI	25 R	0613.9	0633.2	19.8	202.0					
3000	IZMI	5 S	0645.2	0645.5	17.0	9.0	4.0				
8800	LEAR	20 GRF	0711.0	0725.0	87.0	87.0			QL=4 ST=2 TYP=2		
8800	LEAR	20 GRF	0711.0	0723.0	1009.0	86.0			QL=4 ST=1 TYP=2		
8800	LEAR	20 GRF	0711.0	0725.0	1009.0	87.0			QL=4 ST=1 TYP=2		
204	IZMI	42 SER	0722.3	0728.9	32.5	292.0					
245	LEAR	8 S	0751.0	0752.0	2.0	87.0			QL=4 ST=2 TYP=3		
245	SVTO	8 S	0752.0	0752.0	U	66.0			QL=4 ST=2 TYP=3		
204	IZMI	42 SER	0816.4	0838.4	23.2	518.0					

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
02	600	GORK	21	GRF	0939.0	1047.4	81.0D	17.0			
	204	IZMI	25	R	0951.0	0955.3	5.0	172.0			
	900	GORK	46	C	0957.0	1003.9	8.0	10.0			
	600	GORK	42	SER	1002.4	1032.2		21.0			
	600	GORK	42	SER	1002.4	1052.2		31.0			
	600	GORK	42	SER	1002.4	1041.6		28.0			
	600	GORK	42	SER	1002.4	1044.7		13.0			
	600	GORK	42	SER	1002.4	1003.9	51.0	12.0			
	204	IZMI	42	SER	1003.9	1007.8	14.8	343.0			
	900	GORK	21	GRF	1030.0	1049.6	30.0D	13.0			
	900	GORK	42	SER	1036.6	1052.1		12.0			
	900	GORK	42	SER	1036.6	1046.6		21.0			
	900	GORK	42	SER	1036.6	1044.7		26.0			
	900	GORK	42	SER	1036.6	1037.7	16.4	32.0			
	204	IZMI	42	SER	1047.4	1050.3	3.4	276.0			
	245	SGMR	8	S	1207.0	1207.0	1.0	60.0		QL=4 ST=2 TYP=3	
	410	SGMR	8	S	1252.0	1252.0	U	81.0		QL=4 ST=2 TYP=3	
	2800	PENT	41	F	1747.0	1801.0	105.0U	17.0			
	245	SGMR	8	S	1820.0	1820.0	U	210.0		QL=4 ST=2 TYP=3	
	245	PALE	49	GB	1958.0	1959.0	8.0	790.0		QL=4 ST=2 TYP=6	
	245	SGMR	49	GB	1958.0	1958.0	7.0	1200.0		QL=4 ST=2 TYP=6	
	4995	SGMR	48	C	1958.0	2002.0	7.0	120.0		QL=4 ST=2 TYP=8	
	2695	SGMR	4	S/F	1958.0	1959.0	7.0	50.0		QL=4 ST=2 TYP=3	
	1415	SGMR	4	S/F	1958.0	1959.0	7.0	110.0		QL=4 ST=2 TYP=3	
	8800	SGMR	48	C	1959.0	2002.0	6.0	78.0		QL=4 ST=2 TYP=8	
	410	SGMR	4	S/F	1959.0	2001.0	6.0	50.0		QL=4 ST=2 TYP=3	
	1415	PALE	4	S/F	2005.0	2009.0	8.0	160.0		QL=4 ST=2 TYP=3	
	4995	SGMR	4	S/F	2005.0	2006.0	6.0	13.0		QL=4 ST=2 TYP=3	
	4995	SGMR	4	S/F	2005.0	2006.0	6.0	48.0		QL=4 ST=3 TYP=3	
	1415	SGMR	4	S/F	2005.0	2009.0	5.0	150.0		QL=4 ST=2 TYP=3	
	245	SGMR	8	S	2044.0	2044.0	U	81.0		QL=4 ST=2 TYP=3	
	245	SGMR	8	S	2050.0	2050.0	U	120.0		QL=4 ST=2 TYP=3	
	410	PALE	8	S	2226.0	2226.0	U	170.0		QL=4 ST=2 TYP=3	
	245	PALE	4	S/F	2233.0	2234.0	3.0	120.0		QL=4 ST=2 TYP=3	
	245	LEAR	4	S/F	2233.0	2234.0	87.0	70.0		QL=4 ST=1 TYP=3	
	245	LEAR	4	S/F	2233.0	2234.0	87.0	70.0		QL=4 ST=4 TYP=3	
	245	LEAR	8	S	2330.0	2330.0	U	220.0		QL=4 ST=2 TYP=3	
	03	204	IZMI	43	NS	0600.0		149.0U	5.0		
		204	IZMI	44	NS	0600.0E		360.0D	20.0		
		127	TORN	44	NS	0620.0E		520.0D	13.0		V=1
245		SVTO	43	NS	0642.0	0754.0	123.0	120.0		QL=4 ST=2 TYP=1	
245		SGMR	43	NS	1215.0	1216.0	3.0	55.0		QL=4 ST=2 TYP=1	
245		SGMR	43	NS	1215.0	1216.0	705.0	55.0		QL=4 ST=1 TYP=1	
245		SVTO	43	NS	1248.0	1305.0	70.0	150.0		QL=4 ST=2 TYP=1	
280		CUBA	44	NS	1400.0E		420.0D	17.0			
235		CUBA	44	NS	1400.0E		420.0D	10.0			
200		HIRA	8	S	0107.0	0108.0	1.0	210.0		MR	
410		LEAR	8	S	0123.0	0124.0	1.0	110.0		QL=4 ST=2 TYP=3	
410		PALE	8	S	0123.0	0124.0	2.0	120.0		QL=4 ST=2 TYP=3	
5730		IRKU	1	S	0315.3	0316.1	1.9	12.0	U		
5730		IRKU	1	S	0529.6	0531.0	4.4	4.0	U		
204		IZMI	7	C	0603.9	0604.2	0.7	204.0			
200		HIRA	8	S	0604.0	0604.0	1.0	90.0		0	
33		UPIC	4	S/F	0604.0	0604.5	1.5				
5730		IRKU	4	S/F	0612.2	0614.6	9.2	6.0	U		
200		HIRA	8	S	0634.0	0634.0	1.0	50.0		MR	
200		HIRA	8	S	0739.0	0739.0	1.0	120.0		WR	
5730		IRKU	4	S/F	0741.7	0743.0	23.3	6.0	U		
33		UPIC	4	S/F	0752.0	0752.5	1.0				
245		SGMR	4	S/F	1148.0	1148.0	4.0	92.0		QL=4 ST=2 TYP=3	
245		SVTO	8	S	1214.0	1215.0	1.0	140.0		QL=4 ST=3 TYP=3	
2800		PENT	21	GRF	1830.0	1838.0	31.0	5.0			
2800		PENT	21	GRF	2124.0	2129.0	37.0	14.0			
200		HIRA	8	S	2255.0	2256.0	2.0	50.0			
04	204	IZMI	43	NS	0820.0		220.0D	5.0			
	280	CUBA	44	NS	1300.0E		440.0D	19.0			
	235	CUBA	44	NS	1340.0E		440.0D	8.0			

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
04	5730	IRKU	1 S	0353.4	0355.1	3.7	6.0		U	
	5730	IRKU	4 S/F	0501.0	0504.2	13.0	18.0		U	
	5730	IRKU	4 S/F	0519.7	0523.4	17.3	14.0		U	
	204	IZMI	42 SER	0600.5	0601.2	5.8	31.0			
	204	IZMI	42 SER	0612.0	0614.1	4.6	342.0			
	200	HIRA	8 S	0613.0	0614.0	2.0	200.0			
	204	IZMI	42 SER	1055.8	1057.1	1.8	89.0			
	245	SVTO	8 S	1335.0	1336.0	2.0	180.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1336.0	1336.0	1.0	190.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1336.0	1336.0	1.0	21.0			QL=4 ST=2 TYP=3
	2800	PENT	3 S	1500.0	1509.0	17.0	24.0			
	2800	PENT	29 PBI	1730.0	1734.0	43.0	27.0			
	245	SGMR	8 S	1841.0	1841.0	1.0	140.0			QL=4 ST=2 TYP=3
	410	PALE	49 GB	1953.0	1954.0	1.0	590.0			QL=4 ST=2 TYP=6
	245	PALE	8 S	1954.0	1954.0	U	97.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	1954.0	1954.0	U	68.0			QL=4 ST=2 TYP=3	
05	280	CUBA	44 NS	1300.0E		480.0D		17.0		
	235	CUBA	44 NS	1300.0E		480.0D		9.0		
	200	HIRA	8 S	0440.0	0440.0	1.0	90.0			0
	610	LEAR	4 S/F	0601.0	0602.0	4.0	180.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	0601.0	0602.0	3.0	150.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0601.0	0602.0	1079.0	180.0			QL=4 ST=1 TYP=3
	900	GORK	46 C	0601.5	0605.3		120.0			
	900	GORK	46 C	0601.5	0601.8U	4.1	200.0U			
	600	GORK	46 C	0601.6	0602.5U	4.1	74.0U			
	600	GORK	46 C	0601.6	0604.8		39.0			
	500	HIRA	7 C	0602.0	0603.0	4.0	30.0			0
	204	IZMI	7 C	0809.1	0809.2	0.3	24.0			
	33	UPIC	46 C	0906.0	0907.0	6.0				
	204	IZMI	42 SER	0906.2	0906.8	6.4	121.0			
	245	LEAR	8 S	0914.0	0914.0	U	60.0			QL=4 ST=2 TYP=3
245	SVTO	8 S	0914.0	0914.0	U	51.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	1148.0	1149.0	2.1	85.0				
06	410	LEAR	43 NS	0018.0	0027.0	117.0	100.0			QL=4 ST=2 TYP=1
	410	LEAR	43 NS	0018.0	0027.0	1422.0	100.0			QL=4 ST=1 TYP=1
	280	CUBA	44 NS	1300.0E		480.0D		17.0		
	235	CUBA	44 NS	1300.0E		480.0D		9.0		
	410	LEAR	4 S/F	0008.0	0010.0	5.0	82.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0008.0	0010.0	1432.0	82.0			QL=4 ST=1 TYP=3
	410	PALE	4 S/F	0008.0	0008.0	1432.0	74.0			QL=4 ST=1 TYP=3
	200	HIRA	8 S	0114.0	0114.0	1.0	50.0			0
	245	LEAR	8 S	0114.0	0114.0	U	88.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0904.0	0905.0	1.0	55.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	0955.2	1007.3	25.0	14.0		3.0	
	245	SVTO	8 S	1322.0	1323.0	2.0	140.0			QL=2 ST=2 TYP=3
	33	UPIC	46 C	1322.0	1323.5	3.5				
	280	CUBA	6 S	1322.9	1323.6	6.0	6.0			
	235	CUBA	6 S	1322.9	1323.6	2.7	6.0			
245	SGMR	8 S	1323.0	1323.0	1.0	140.0			QL=4 ST=2 TYP=3	
200	HIRA	8 S	2340.0	2340.0	1.0	40.0			0	
07	200	HIRA	8 S	0602.0	0602.0	1.0	130.0			0
	500	HIRA	8 S	0602.0	0602.0	1.0	30.0			0
	410	LEAR	8 S	0602.0	0602.0	U	190.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0602.0	0602.0	U	280.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0602.0	0602.0	U	270.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0602.0	0602.0	U	280.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0602.0	0602.0	1078.0	190.0			QL=4 ST=1 TYP=3
	245	LEAR	4 S/F	0602.0	0602.0	1078.0	280.0			QL=4 ST=1 TYP=3
	204	IZMI	45 C	0602.2	0602.4	0.8	232.0			
	245	LEAR	8 S	0619.0	0620.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0619.0	0620.0	2.0	60.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0619.0	0620.0	2.0	190.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0619.0	0620.0	2.0	79.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	0619.9	0620.2	1.1	186.0			
	500	HIRA	8 S	0620.0	0621.0	1.0	70.0			WL
200	HIRA	8 S	0620.0	0620.0	1.0	100.0			0	

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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	204	IZMI	7 C	0741.3	0741.4	0.3	10.0			
	245	LEAR	8 S	0744.0	0745.0	1.0	340.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	0744.8	0745.0	0.5	186.0			
	410	LEAR	8 S	0800.0	0800.0	U	38.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0800.0	0800.0	U	420.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	0800.3	0800.4	0.4	179.0			
	245	SGMR	8 S	1445.0	1446.0	1.0	64.0			QL=4 ST=2 TYP=3
	2800	PENT	3 S	2334.0	2339.0	11.0	12.0			
	2840	PEKG	5 S	2336.0	2339.0	6.0	20.2			
	4995	LEAR	8 S	2339.0	2339.0	U	29.0			QL=4 ST=2 TYP=3
08	245	SGMR	43 NS	1652.0	1652.0	10.0	100.0			QL=4 ST=2 TYP=1
	200	HIRA	8 S	0211.0	0212.0	1.0	480.0			
	245	LEAR	49 GB	0211.0	0212.0	1.0	510.0			QL=4 ST=2 TYP=6
	410	LEAR	8 S	0211.0	0212.0	1.0	40.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	0212.0	0212.0	U	670.0			QL=4 ST=2 TYP=6
	245	LEAR	8 S	0403.0	0404.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0408.0	0408.0	U	54.0			QL=4 ST=2 TYP=3
	3000	IZMI	7 C	0623.6	0623.7	0.2	41.0	10.0		
	410	LEAR	8 S	0656.0	0656.0	1.0	48.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0656.0	0656.0	1.0	71.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0736.8	0737.1	1.6	50.0			
	204	IZMI	42 SER	1021.2	1029.5	17.1	109.0			
	245	SGMR	4 S/F	1152.0	1153.0	5.0	71.0			QL=4 ST=2 TYP=3
	127	TORN	45 C	1231.4	1234.2	3.5	70.0	30.0		
	245	SGMR	8 S	1601.0	1602.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1621.0	1621.0	U	68.0			QL=4 ST=2 TYP=3
	245	SGMR	4 S/F	1626.0	1627.0	3.0	63.0			QL=4 ST=2 TYP=3
09	280	CUBA	44 NS	1300.0E		480.0D		16.0		
	235	CUBA	44 NS	1300.0E		480.0D		8.0		
	245	SGMR	43 NS	1734.0	1844.0	119.0	240.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1734.0	1736.0	386.0	55.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1734.0	1750.0	386.0	77.0			QL=4 ST=1 TYP=1
	245	LEAR	8 S	0232.0	0232.0	U	53.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0232.0	0232.0	U	81.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0239.0	0239.0	U	67.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0359.0	0359.0	1.0	49.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0402.0	0402.0	1.0	70.0			
	245	LEAR	8 S	0402.0	0402.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0507.0	0510.0	5.0	100.0			QL=4 ST=3 TYP=3
	245	LEAR	4 S/F	0507.0	0510.0	5.0	100.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0510.0	0510.0	1.0	70.0			
	204	IZMI	42 SER	0743.3	0753.0	30.0	111.0			
	200	HIRA	47 GB	0748.0	0748.0	1.0	580.0			
	245	LEAR	8 S	0752.0	0752.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0752.0	0753.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1312.0	1313.0	3.0	64.0			QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1312.0	1313.0	7.0	1200.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	1312.0	1313.0	7.0	2000.0			QL=4 ST=2 TYP=6
	245	SVTO	48 C	1312.0	1313.0	6.0	1900.0			QL=2 ST=2 TYP=8
	410	SVTO	48 C	1312.0	1313.0	6.0	1100.0			QL=4 ST=2 TYP=8
	4995	SVTO	8 S	1312.0	1314.0	2.0	42.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1312.0	1313.0	648.0	2000.0			QL=4 ST=1 TYP=6
	410	SGMR	49 GB	1312.0	1313.0	648.0	1200.0			QL=4 ST=1 TYP=6
	610	SGMR	4 S/F	1312.0	1313.0	648.0	64.0			QL=4 ST=1 TYP=3
	410	SVTO	49 GB	1312.0	1313.0	648.0	1100.0			QL=4 ST=1 TYP=6
	245	SVTO	49 GB	1312.0	1313.0	648.0	1900.0			QL=2 ST=2 TYP=6
245	SVTO	49 GB	1312.0	1313.0	648.0	1900.0			QL=2 ST=2 TYP=6	
127	TORN	46 C	1312.0	1314.2	7.3	300.0	70.0			
33	UPIC	46 C	1312.5	1314.5	5.0					
9500	CUBA	21 GRF	1313.0	1343.0	67.0	12.0	6.0			
4995	SGMR	8 S	1313.0	1314.0	2.0	38.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	1313.0	1313.0	2.0	55.0			QL=4 ST=2 TYP=3	
2695	SVTO	8 S	1313.0	1313.0	1.0	56.0			QL=4 ST=2 TYP=3	
1415	SVTO	8 S	1313.0	1314.0	1.0	53.0			QL=4 ST=2 TYP=3	
6700	CUBA	21 GRF	1313.0	1420.0	104.0	10.0	5.0			
4995	SVTO	4 S/F	1313.0	1314.0	647.0	49.0			QL=4 ST=1 TYP=3	
2695	SVTO	4 S/F	1313.0	1313.0	647.0	59.0			QL=4 ST=1 TYP=3	

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

OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
09	6700	CUBA	45 C	1313.2	1314.2	1.8	37.0	18.0		11L
	9500	CUBA	2 S/F	1313.2	1314.2	1.4	18.0	9.0		
	8800	SGMR	4 S/F	1314.0	1314.0	5.0	37.0			QL=4 ST=2 TYP=3
	245	SGMR	4 S/F	1340.0	1341.0	4.0	360.0			QL=4 ST=2 TYP=3
	235	CUBA	7 C	1340.0	1342.6	3.7	32.0			
	280	CUBA	7 C	1340.0	1342.6	3.7		47.0		
	245	SVTO	8 S	1341.0	1341.0	2.0	300.0			QL=2 ST=2 TYP=3
	33	UPIC	46 C	1341.5	1342.5	3.0				
	6700	CUBA	1 S	1342.3	1343.2	1.5	16.0	8.0		22L
	127	TORN	45 C	1344.2	1345.3	7.0	80.0	20.0		
	235	CUBA	6 S	1454.9	1455.1	0.8	39.0			
	280	CUBA	6 S	1454.9	1455.1	8.0	26.0			
	245	SGMR	8 S	1455.0	1455.0	1.0	75.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1455.0	1455.0	U	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1622.0	1622.0	1.0	77.0			QL=4 ST=2 TYP=3
	280	CUBA	6 S	1656.9	1657.3	9.0	800.0			
	235	CUBA	6 S	1656.9	1657.3	0.9	1148.0			
	245	PALE	49 GB	1657.0	1657.0	1.0	820.0			QL=4 ST=2 TYP=6
	245	PALE	4 S/F	1725.0	1726.0	4.0	82.0			QL=4 ST=2 TYP=3
	245	SGMR	4 S/F	1726.0	1726.0	3.0	82.0			QL=4 ST=2 TYP=3
	235	CUBA	41 F	1921.0	1933.7	14.6	39.0			
	280	CUBA	41 F	1921.0	1933.7	14.6	25.0			
	6700	CUBA	1 S	1933.2	1933.8	1.6	22.0	11.0		7L
	2800	PENT	41 F	2042.0	2050.0	23.0	9.0			
	245	PALE	8 S	2058.0	2059.0	1.0	93.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2058.0	2059.0	2.0	77.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	2245.0	2247.1	5.0	49.8			
	200	HIRA	8 S	2246.0	2247.0	1.0	390.0			ML
	2800	HIRA	8 S	2246.0	2247.0	1.0	40.0			0
	2695	LEAR	8 S	2246.0	2246.0	1.0	31.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	2246.0	2246.0	1.0	200.0			QL=4 ST=2 TYP=3
	500	HIRA	4 S/F	2250.0	2251.0	5.0	50.0			0
	410	LEAR	4 S/F	2250.0	2250.0	3.0	82.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	2250.0	2251.0	3.0	93.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2250.0	2251.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2250.0	2250.0	2.0	110.0			QL=4 ST=2 TYP=3
	500	HIRA	7 C	2322.0	0037.0	57.0	150.0			WL
	200	HIRA	8 S	2327.0	2328.0	1.0	170.0			ML
	245	LEAR	49 GB	2327.0	2327.0	1.0	720.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	2327.0	2327.0	1.0	850.0			QL=4 ST=2 TYP=6
	1415	LEAR	8 S	2331.0	2331.0	U	29.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	2331.0	2331.0	1.0	34.0			QL=4 ST=2 TYP=3
	245	LEAR	48 C	2331.0	2337.0	24.0	290.0			QL=4 ST=2 TYP=8
	610	LEAR	48 C	2332.0	2337.0	11.0	66.0			QL=4 ST=2 TYP=8
	610	PALE	48 C	2332.0	2337.0	11.0	63.0			QL=4 ST=2 TYP=8
410	LEAR	48 C	2333.0	2337.0	9.0	270.0			QL=4 ST=2 TYP=8	
245	PALE	48 C	2333.0	2337.0	8.0	350.0			QL=4 ST=2 TYP=8	
410	PALE	48 C	2334.0	2337.0	9.0	350.0			QL=4 ST=2 TYP=8	
410	PALE	4 S/F	2349.0	2352.0	21.0	120.0			QL=4 ST=2 TYP=3	
610	PALE	4 S/F	2350.0	2352.0	12.0	93.0			QL=4 ST=2 TYP=3	
1415	PALE	4 S/F	2350.0	2352.0	20.0	67.0			QL=4 ST=2 TYP=3	
10	245	LEAR	43 NS	0010.0	0011.0	71.0	68.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0010.0	0011.0	1430.0	68.0			QL=4 ST=1 TYP=1
	204	IZMI	43 NS	0600.0		360.0D		10.0		
	245	SVTO	43 NS	0733.0	0946.0	152.0	120.0			QL=2 ST=2 TYP=1
	245	SVTO	43 NS	0733.0	0922.0	987.0	88.0			QL=2 ST=1 TYP=1
	245	LEAR	43 NS	0747.0	0922.0	189.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0747.0	0835.0	973.0	81.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	0747.0	0748.0	973.0	70.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	0747.0	0922.0	973.0	110.0			QL=4 ST=1 TYP=1
	280	CUBA	44 NS	1522.0E		338.0D		17.0		
	235	CUBA	44 NS	1522.0E		339.0D		10.0		
	200	HIRA	8 S	0006.0	0006.0	1.0	100.0			ML
	200	HIRA	8 S	0407.0	0407.0	1.0	50.0			WL
	204	IZMI	42 SER	0644.5	0648.6	6.1	31.0			
	200	HIRA	42 SER	0645.0	0653.0	10.0	90.0			WL
3000	IZMI	7 C	0648.4	0652.8	6.1	26.0	6.4			
2840	PEKG	5 S	0651.0	0652.8	5.0	20.6				

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

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OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
10	600	GORK	41 F	0651.3	0652.5	2.9	22.0			
	204	IZMI	46 C	0651.5	0652.7	3.6	181.0			
	900	GORK	2 S/F	0652.0	0653.0	3.2	3.4			
	245	LEAR	8 S	0652.0	0652.0	1.0	71.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0652.0	0652.0	1028.0	71.0			QL=4 ST=1 TYP=3
	5730	IRKU	1 S	0652.1	0653.3	5.9	12.0		U	
	2950	GORK	45 C	0652.5E	0653.5		6.4			
	9100	GORK	1 S	0652.5	0653.6	3.1	9.5			
	2950	GORK	45 C	0652.5E	0652.9	2.6D	7.5			
	204	IZMI	42 SER	0748.9	0751.3	8.7	163.0			
	245	SVTO	8 S	0807.0	0808.0	1.0	83.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0807.2	0807.5	0.6	115.0			
	204	IZMI	41 F	1005.3	1005.5	1.5	237.0			
	410	SGMR	8 S	1512.0	1514.0	2.0	84.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1513.0	1514.0	2.0	160.0			QL=4 ST=2 TYP=3
11	204	IZMI	44 NS	0600.0E		360.0D		5.0		
	127	TORN	44 NS	0620.0E		520.0D				V=1, DISTURBED
	280	CUBA	44 NS	1340.0E		440.0D		16.0		
	235	CUBA	44 NS	1340.0E		440.0D		10.0		
	5730	IRKU	1 S	0337.3	0338.5	2.0	9.0		U	
	610	LEAR	48 C	0550.0	0554.0	14.0	750.0			QL=4 ST=2 TYP=8
	610	LEAR	48 C	0550.0	0554.0	1090.0	750.0			QL=4 ST=1 TYP=8
	610	LEAR	4 S/F	0550.0	0551.0	1090.0	120.0			QL=4 ST=1 TYP=3
	610	SVTO	49 GB	0552.0	0554.0	12.0	630.0			QL=4 ST=2 TYP=6
	900	GORK	41 F	0554.6	0555.6		22.0			
	900	GORK	41 F	0554.6	0554.8	4.8	22.0			
	600	GORK	46 C	0554.9	0558.4	20.3	37.0			
	600	GORK	46 C	0554.9	0558.9		31.0			
	610	LEAR	8 S	0608.0	0609.0	1.0	150.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0608.0	0609.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0611.0	0611.0		99.0		U	QL=4 ST=2 TYP=3
	610	SVTO	8 S	0611.0	0611.0		58.0		U	QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0611.0	0611.0	1069.0	99.0			QL=4 ST=1 TYP=3
	610	LEAR	48 C	0616.0	0618.0	3.0	98.0			QL=4 ST=2 TYP=8
	610	LEAR	48 C	0616.0	0618.0	1064.0	98.0			QL=4 ST=1 TYP=8
	610	SVTO	8 S	0618.0	0618.0	1.0	73.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0643.0	0644.0	1.0	140.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0644.0	0644.0		180.0		U	QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0644.0	0644.0	1036.0	180.0			QL=4 ST=1 TYP=3
	204	IZMI	25 R	0709.0		90.0		25.0		
	204	IZMI	41 F	1137.7	1137.8	0.5	114.0			
	245	SGMR	8 S	1529.0	1529.0		63.0		U	QL=4 ST=2 TYP=3
245	SGMR	8 S	1637.0	1637.0	1.0	140.0			QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	1803.0	1806.0	4.0	53.0			QL=4 ST=2 TYP=3	
410	SGMR	4 S/F	1803.0	1806.0	4.0	160.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	1803.0	1806.0	4.0	45.0			QL=4 ST=2 TYP=3	
410	PALE	4 S/F	1806.0	1806.0	6.0	200.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	1806.0	1807.0	1.0	160.0			QL=4 ST=2 TYP=3	
610	PALE	8 S	1806.0	1806.0	1.0	59.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1921.0	1921.0		70.0		U	QL=4 ST=2 TYP=3	
12	245	LEAR	43 NS	0240.0	0451.0	225.0	100.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0240.0	0240.0	1280.0	69.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	0240.0	0451.0	1280.0	100.0			QL=4 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		252.0D		5.0		
	127	TORN	44 NS	0620.0E		520.0D				V=1, DISRURBED
	280	CUBA	44 NS	1300.0E		530.0D		16.0		
	235	CUBA	44 NS	1300.0E		530.0D		8.0		
	200	HIRA	8 S	0142.0	0143.0	2.0	70.0			0
	204	IZMI	7 C	0838.3	0838.5	0.4	42.0			
	245	SVTO	8 S	0959.0	0959.0	1.0	56.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1441.0	1442.0	1.0	69.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	2027.0	2028.0	2.0	40.0			QL=4 ST=2 TYP=3
	4995	PALE	48 C	2027.0	2036.0	17.0	240.0			QL=4 ST=2 TYP=8
	2695	PALE	48 C	2027.0	2036.0	14.0	170.0			QL=4 ST=2 TYP=8
	2695	SGMR	48 C	2027.0	2036.0	15.0	150.0			QL=4 ST=2 TYP=8
1415	SGMR	48 C	2027.0	2035.0	15.0	68.0			QL=4 ST=2 TYP=8	
9500	CUBA	21 GRF	2027.0	2043.0	73.0D	31.0			2140 OFF	

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

OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak	Mean			
							(10 -22 W/m 2 Hz)				
12	6700	CUBA	21 GRF	2027.0	2042.0	73.00	26.0			21L 2140 OFF	
	4995	PALE	48 C	2027.0	2036.0	213.0	240.0			QL=4 ST=1 TYP=8	
	1415	PALE	4 S/F	2027.0	2028.0	213.0	40.0			QL=4 ST=1 TYP=3	
	2695	PALE	48 C	2027.0	2036.0	213.0	170.0			QL=4 ST=1 TYP=8	
	2695	SGMR	48 C	2027.0	2036.0	213.0	150.0			QL=4 ST=1 TYP=8	
	1415	SGMR	4 S/F	2027.0	2027.0	213.0	38.0			QL=4 ST=1 TYP=3	
	1415	SGMR	48 C	2027.0	2035.0	213.0	68.0			QL=4 ST=1 TYP=8	
	2695	SGMR	4 S/F	2027.0	2028.0	213.0	58.0			QL=4 ST=1 TYP=3	
	6700	CUBA	46 C	2027.8	2036.2	13.7	298.0			13L	
	4995	SGMR	48 C	2028.0	2036.0	14.0	210.0			QL=4 ST=2 TYP=8	
	4995	SGMR	48 C	2028.0	2036.0	212.0	210.0			QL=4 ST=1 TYP=8	
	4995	SGMR	4 S/F	2028.0	2028.0	212.0	48.0			QL=4 ST=1 TYP=3	
	8800	PALE	4 S/F	2033.0	2036.0	8.0	180.0			QL=4 ST=2 TYP=3	
	8800	SGMR	4 S/F	2033.0	2036.0	9.0	180.0			QL=4 ST=2 TYP=3	
	410	SGMR	4 S/F	2033.0	2035.0	9.0	64.0			QL=4 ST=2 TYP=3	
	8800	PALE	4 S/F	2033.0	2036.0	207.0	180.0			QL=4 ST=1 TYP=3	
	8800	SGMR	4 S/F	2033.0	2036.0	207.0	180.0			QL=4 ST=1 TYP=3	
	410	SGMR	4 S/F	2033.0	2035.0	207.0	64.0			QL=4 ST=1 TYP=3	
	9500	CUBA	46 C	2033.6	2036.0	7.9	120.0				
	410	PALE	4 S/F	2034.0	2035.0	4.0	76.0			QL=4 ST=2 TYP=3	
	15400	PALE	4 S/F	2034.0	2036.0	5.0	94.0			QL=4 ST=2 TYP=3	
	610	SGMR	4 S/F	2034.0	2036.0	8.0	78.0			QL=4 ST=2 TYP=3	
	410	PALE	4 S/F	2034.0	2035.0	206.0	76.0			QL=4 ST=1 TYP=3	
	15400	PALE	4 S/F	2034.0	2036.0	206.0	94.0			QL=4 ST=1 TYP=3	
	610	PALE	8 S	2035.0	2036.0	2.0	64.0			QL=4 ST=2 TYP=3	
	610	PALE	4 S/F	2035.0	2036.0	205.0	64.0			QL=4 ST=1 TYP=3	
	6700	CUBA	29 PBI	2041.5		14.00	13.0			00L 2055 RAIN	
	13	235	CUBA	44 NS	1300.0E		530.00		11.0		
		280	CUBA	44 NS	1300.0E		530.00		16.0		
		245	SGMR	8 S	1251.0	1251.0	U	73.0			QL=4 ST=2 TYP=3
		245	SVTO	8 S	1251.0	1251.0	U	64.0			QL=4 ST=2 TYP=3
		9500	CUBA	1 S	1401.2	1401.4	0.8	13.0	6.0		
		8800	SGMR	4 S/F	1442.0	1443.0	5.0	50.0			QL=4 ST=2 TYP=3
15400		SGMR	8 S	1443.0	1444.0	2.0	59.0			QL=4 ST=2 TYP=3	
6700		CUBA	2 S/F	1443.4	1444.4	2.2	34.0	17.0		00L	
9500		CUBA	1 S	1443.6	1444.0	2.2	50.0	25.0			
14	280	CUBA	44 NS	1300.0E		530.00		12.0			
	235	CUBA	44 NS	1300.0E		530.00		6.0			
	410	LEAR	8 S	0042.0	0042.0	U	57.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0042.0	0042.0	1.0	130.0			QL=4 ST=2 TYP=3	
	410	PALE	8 S	0042.0	0042.0	U	87.0			QL=4 ST=2 TYP=3	
	245	PALE	48 C	0042.0	0045.0	3.0	980.0			QL=4 ST=2 TYP=8	
	245	LEAR	4 S/F	0042.0	0042.0	1398.0	130.0			QL=4 ST=1 TYP=3	
	410	LEAR	4 S/F	0042.0	0042.0	1398.0	57.0			QL=4 ST=1 TYP=3	
	245	LEAR	8 S	0340.0	0340.0	U	240.0			QL=4 ST=2 TYP=3	
	245	PALE	8 S	0340.0	0340.0	1.0	290.0			QL=4 ST=3 TYP=3	
	245	PALE	8 S	0340.0	0340.0	1.0	290.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0448.0	0449.0	1.0	85.0			QL=4 ST=2 TYP=3	
	900	GORK	8 S	0826.2	0827.0U	1.5	250.0U				
	5730	IRKU	4 S/F	0832.0	0837.4	12.0	54.0		U		
	9100	GORK	28 PRE	0832.8	0835.9	3.2	10.0				
	2840	PEKG	3 S	0834.0	0837.2	12.0	17.7				
	3000	IZMI	22 GRF	0835.8	0837.1	5.5	19.0	8.0			
2950	GORK	4 S/F	0835.9	0837.6	5.2	4.9					
4995	LEAR	8 S	0836.0	0837.0	1.0	30.0			QL=4 ST=2 TYP=3		
9100	GORK	4 S/F	0836.0	0837.2	5.1	33.0					
15	235	CUBA	44 NS	1300.0E		530.00		7.0			
	280	CUBA	44 NS	1300.0E		530.00		17.0			
	500	HIRA	7 C	0220.0	0222.0	3.0	40.0			0	
	200	HIRA	7 C	0220.0	0222.0	6.0	90.0			0	
	245	LEAR	8 S	0221.0	0221.0	1.0	150.0			QL=4 ST=2 TYP=3	
	245	LEAR	4 S/F	0221.0	0221.0	1299.0	150.0			QL=4 ST=1 TYP=3	
	410	LEAR	8 S	0222.0	0222.0	U	31.0			QL=4 ST=2 TYP=3	
	204	IZMI	42 SER	0706.5	0708.6	2.5	8.3				
	2950	GORK	1 S	0830.8	0832.2	4.8	1.5				
600	GORK	46 C	0832.1	0833.2		56.0					

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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	600	GORK	46 C	0832.1	0832.8	2.3	80.0			
	900	GORK	2 S/F	0832.6	0833.1	1.0	12.0			
	245	LEAR	8 S	0953.0	0954.0	2.0	62.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1041.8	1042.1	0.6	29.0			
	2800	PENT	41 F	2128.0	2211.0	53.0	4.0			
16	280	CUBA	44 NS	1300.0E		530.0D		18.0		
	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	204	IZMI	7 C	0555.9	0556.0	0.2	59.0			
	204	IZMI	7 C	0646.4	0654.2U	42.9	20.0			
	2950	GORK	21 GRF	0650.8	0751.6	79.7	7.1			
	2840	PEKG	3 S	0656.0	0700.8	10.0	11.8			
	3000	IZMI	20 GRF	0656.5	0700.6	12.3	18.0	6.0		
	900	GORK	20 GRF	0657.0	0702.0	8.3	3.0			
	2950	GORK	1 S	0657.4	0700.5	6.6	12.0			
	9100	GORK	20 GRF	0658.5	0739.0	100.5	16.0			
	900	GORK	46 C	0713.4	0715.1U	2.2	170.0U			
	900	GORK	22 GRF	0718.0	0728.2	111.0	17.0			
	900	GORK	22 GRF	0718.0	0738.6		17.0			
	2950	GORK	45 C	0722.3	0728.7	27.6	34.0			
	2950	GORK	45 C	0722.3	0737.9		18.0			
	600	GORK	46 C	0722.5	0728.0	21.8	87.0			
	600	GORK	46 C	0722.5	0738.6		68.0			
	3000	IZMI	20 GRF	0722.9	0728.8	9.1	44.0	24.0		
	2840	PEKG	3 S	0723.0	0728.7	21.0	25.6			
	5730	IRKU	20 GRF	0725.6	0730.5	36.4	18.0		U	
	610	LEAR	20 GRF	0726.0	0727.0	4.0	60.0			QL=4 ST=2 TYP=2
	2695	LEAR	20 GRF	0727.0	0729.0	3.0	30.0			QL=4 ST=2 TYP=2
	1415	LEAR	20 GRF	0728.0	0730.0	4.0	21.0			QL=4 ST=2 TYP=2
	4995	LEAR	20 GRF	0728.0	0728.0	1.0	26.0			QL=4 ST=2 TYP=2
	610	LEAR	20 GRF	0735.0	0738.0	4.0	47.0			QL=4 ST=2 TYP=2
	4995	LEAR	20 GRF	0735.0	0736.0	1.0	23.0			QL=4 ST=2 TYP=2
	1415	LEAR	20 GRF	0737.0	0738.0	2.0	26.0			QL=4 ST=2 TYP=2
	2695	LEAR	20 GRF	0741.0	0741.0	U	13.0			QL=4 ST=2 TYP=2
	9100	GORK	46 C	1011.7	1013.1	3.1	23.2			
	410	SVTO	8 S	1412.0	1412.0	1.0	54.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1714.0	1715.0	1.0	320.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1748.0	1750.0	2.0	51.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1748.0	1748.0	U	64.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1748.0	1748.0	U	58.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1748.0	1748.0	U	36.0			QL=4 ST=2 TYP=3
610	LEAR	8 S	2253.0	2253.0	U	160.0			QL=4 ST=2 TYP=3	
610	PALE	8 S	2253.0	2253.0	U	200.0			QL=4 ST=2 TYP=3	
500	HIRA	8 S	2254.0	2255.0	1.0	170.0			0	
17	235	CUBA	44 NS	1300.0E		530.0D		5.0		
	280	CUBA	44 NS	1300.0E		530.0D		17.0		
	33	UPIC	46 C	1307.0	1312.0	8.5				
18	3000	IZMI	22 GRF	1043.4	1045.6	11.6	10.0	4.0		
	127	TORN	5 S	1436.2	1438.9	5.2	50.0D	30.0D		
19	235	CUBA	44 NS	1300.0E		502.0D		6.0		
	280	CUBA	44 NS	1300.0E		502.0D		16.0		
	2840	PEKG	5 S	0035.0	0037.9	6.0	23.6			
	2695	LEAR	8 S	0036.0	0037.0	2.0	31.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0037.0	0038.0	1.0	26.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0037.0	0037.0	1.0	65.0			QL=4 ST=2 TYP=3
	600	GORK	4 S/F	0547.0	0547.5	1.1	39.0			
	900	GORK	45 C	0547.2	0547.5	1.2	5.0			
	900	GORK	4 S/F	0657.2	0657.4	0.4	20.0			
	600	GORK	1 S	0657.2	0657.6	0.6	2.0			
	600	GORK	2 S/F	0719.9	0720.4	0.7	5.0			
	900	GORK	4 S/F	0723.6	0723.7	0.4	16.0			
	600	GORK	20 GRF	0726.0	0736.0	21.0	3.0			
	900	GORK	4 S/F	0737.7	0737.8U	1.7	220.0U			
33	UPIC	46 C	1301.0	1302.0	3.0					
20	204	IZMI	43 NS	0606.0		195.0U		5.0		

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OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
20	235	CUBA	44 NS	1300.0E		530.0D		6.0		
	280	CUBA	44 NS	1300.0E		530.0D		17.0		
	200	HIRA	8 S	0018.0	0019.0	2.0	30.0			WL
	245	LEAR	8 S	0018.0	0018.0	1.0	63.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0019.0	0019.0	U	68.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1044.0	1044.0	U	76.0			QL=4 ST=2 TYP=3
21	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	280	CUBA	44 NS	1300.0E		530.0D		20.0		
	9100	GORK	1 S	0659.1	0659.6	1.0D	7.3			
	600	GORK	4 S/F	0703.7	0704.2	0.8	18.0			
	3000	IZMI	7 C	0744.9	0744.9	0.1	54.0	14.0		
	900	GORK	46 C	0800.8	0801.3		30.0			
	900	GORK	46 C	0800.8	0800.9	1.7	75.0			
	2950	GORK	20 GRF	0806.8	0809.0	22.6	2.7			
	204	IZMI	42 SER	0830.5	0831.4	1.4	28.0			
	9100	GORK	1 S	0928.8	0929.3	0.8	11.0			
	245	LEAR	8 S	0953.0	0953.0	1.0	100.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0953.0	0955.0	3.0	100.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	0953.5	0955.9	8.6	10.0			
	6700	CUBA	22 GRF	1351.0	1443.0	149.0	19.0	9.0		6R
	2800	PENT	29 PBI	1810.0	1825.0	82.0U	122.0			
	6700	CUBA	21 GRF	1811.0	1833.0	73.0	44.0	22.0		3R
	9500	CUBA	21 GRF	1815.0	1839.0	90.0	38.0	19.0		
	6700	CUBA	4 S/F	1815.0	1820.4	8.2	38.0	19.0		5R
	9500	CUBA	2 S/F	1816.6	1817.8	5.3	19.0	9.0		
	4995	PALE	48 C	1817.0	1825.0	19.0	110.0			QL=4 ST=2 TYP=8
	4995	SGMR	48 C	1817.0	1825.0	13.0	110.0			QL=4 ST=2 TYP=8
8800	SGMR	20 GRF	1817.0	1825.0	13.0	57.0			QL=4 ST=2 TYP=2	
2695	PALE	8 S	1824.0	1825.0	2.0	73.0			QL=4 ST=2 TYP=3	
2695	SGMR	4 S/F	1824.0	1825.0	6.0	100.0			QL=4 ST=2 TYP=3	
6700	CUBA	45 C	1824.0	1825.6	3.8	67.0			10L	
9500	CUBA	1 S	1824.4	1825.5	1.7	21.0	10.0			
8800	PALE	8 S	1825.0	1825.0	U	28.0			QL=4 ST=2 TYP=3	
22	410	LEAR	8 S	0446.0	0446.0	2.0	51.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1943.0	1943.0	2.0	55.0			QL=4 ST=2 TYP=3
	6700	CUBA	21 GRF	2100.0	2112.0	47.0	8.0	4.0		16R
	6700	CUBA	21 GRF	2100.0	2112.0	47.0	8.0	4.0		16R
	2800	PENT	1 S	2103.0	2106.0	10.0	9.0			
	6700	CUBA	45 C	2107.2	2107.8	2.6	54.0			27R
	6700	CUBA	45 C	2107.2	2107.8	2.6	54.0	27.0		27R
23	600	GORK	4 S/F	0548.1	0548.6	1.2	45.0			
	900	GORK	2 S/F	0548.3	0548.6	0.7	7.0			
	245	PALE	8 S	1855.0	1855.0	U	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1855.0	1855.0	U	51.0			QL=4 ST=2 TYP=3
24	204	IZMI	43 NS	0740.0		95.0		5.0		
	127	TORN	43 NS	0832.0	0846.4	168.0	10.0			V=0
	900	GORK	21 GRF	0848.2	0900.2	32.8	7.0			
	900	GORK	42 SER	0909.2	0909.5	6.8	14.0			
	900	GORK	42 SER	0909.2	0913.6		19.0			
	600	GORK	42 SER	0909.3	0911.5	5.9	7.0			
	410	SVTO	8 S	0913.0	0913.0	1.0	88.0			QL=4 ST=2 TYP=3
2800	PENT	40 F	1527.0	1533.0	15.0	13.0				
25	204	IZMI	43 NS	0701.0		197.0U		15.0		
	127	TORN	44 NS	1250.0E		130.0D				V=1, DISTURBED
	2840	PEKG	5 S	0254.0	0255.8	4.0	15.5			
	2840	PEKG	3 S	0420.0	0423.6	13.0	35.0			
	5730	IRKU	4 S/F	0423.0	0423.6	4.6	24.0			U
	204	IZMI	42 SER	0611.9	0612.2	0.7	22.0			
	9500	CUBA	22 GRF	1253.0E	1253.0	159.0D	14.0			
	6700	CUBA	22 GRF	1301.0E	1301.0	105.0D	10.0			00L
	2800	PENT	40 F	1544.0	1547.0	17.0	51.0			
	2800	PENT	1 S	2038.0	2041.0	6.0	12.0			
610	SGMR	8 S	2040.0	2041.0	1.0	66.0			QL=2 ST=2 TYP=3	
410	SGMR	4 S/F	2040.0	2041.0	5.0	81.0			QL=2 ST=2 TYP=3	

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OCTOBER 2000

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
25	6700	CUBA	1 S	2041.0	2041.3	1.0	11.0	5.0		00L
	200	HIRA	8 S	2315.0	2316.0	1.0	190.0			0
	245	LEAR	8 S	2315.0	2315.0	1.0	130.0			QL=4 ST=2 TYP=3
26	900	GORK	42 SER	0528.5	0529.1	8.7	150.0			
	900	GORK	42 SER	0528.5	0536.2		160.0			
	204	IZMI	7 C	0620.4	0620.5	0.8	15.0			
	900	GORK	4 S/F	0647.9	0648.3U	0.8	180.0U			
	900	GORK	40 F	0656.5	0658.5	3.0	46.0			
	900	GORK	42 SER	0830.1	0831.0		16.0			
	900	GORK	42 SER	0830.1	0851.2		33.0			
	900	GORK	42 SER	0830.1	0842.3		8.0			
	900	GORK	42 SER	0830.1	0830.3	21.5	11.0			
	900	GORK	42 SER	0830.1	0836.5		7.0			
	245	LEAR	8 S	0836.0	0836.0	1.0	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0836.0	0836.0	1.0	70.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	0836.5	0836.8	0.7	437.0			
	410	SVTO	8 S	1111.0	1111.0	U	51.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	1133.0	1135.2	3.8	25.0	8.0		
	127	TORN	42 SER	1324.6	1333.4	10.4	30.0	10.0		
	2800	PENT	40 F	1543.0	1610.0	49.0U	58.0			
	410	SGMR	4 S/F	1545.0	1547.0	6.0	75.0			QL=2 ST=2 TYP=3
	410	SGMR	48 C	1601.0	1607.0	11.0	83.0			QL=4 ST=2 TYP=8
	2695	SGMR	4 S/F	1609.0	1610.0	6.0	59.0			QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1609.2	1610.2	4.8	17.0	8.0		22L
4995	SGMR	4 S/F	1610.0	1610.0	5.0	36.0			QL=4 ST=2 TYP=3	
410	SGMR	4 S/F	1616.0	1617.0	14.0	95.0			QL=4 ST=3 TYP=3	
410	SGMR	4 S/F	1616.0	1617.0	14.0	95.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1632.0	1632.0	1.0	58.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1632.0	1632.0	1.0	58.0			QL=4 ST=3 TYP=3	
245	SGMR	8 S	1654.0	1654.0	1.0	76.0			QL=4 ST=2 TYP=3	
27	900	GORK	45 C	0517.7	0518.4	1.4	7.9			
	900	GORK	45 C	0517.7	0518.7		14.0			
	900	GORK	4 S/F	0537.0	0537.2	0.6	45.0			
	600	GORK	46 C	0539.5	0540.0		11.0			
	600	GORK	46 C	0539.5	0539.7	0.7	24.0			
	9100	GORK	1 S	0633.4E	0634.1	1.6D	11.0			
	2950	GORK	2 S/F	0732.5	0733.1	2.0	4.9			
	900	GORK	41 F	1041.7	1042.0	1.3	21.0			
	600	GORK	3 S	1042.4	1042.5	0.3	1.9			
	3000	IZMI	22 GRF	1115.4	1118.5	21.6	21.0	5.0		
	245	SGMR	8 S	1406.0	1406.0	2.0	160.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1406.0	1406.0	2.0	51.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1406.0	1406.0	U	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1437.0	1438.0	1.0	77.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1438.0	1438.0	1.0	18.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1518.0	1518.0	1.0	56.0			QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1950.0	1951.0	1.3	11.0	5.0		33L
	9500	CUBA	2 S/F	1950.2	1951.0	1.2	10.0	5.0		
2800	PENT	29 PBI	2042.0	2046.0	69.0	13.0				
6700	CUBA	22 GRF	2045.0	2047.0	19.0D	12.0	6.0		12L	
9500	CUBA	21 GRF	2046.0	2052.0	16.0D	12.0				
9500	CUBA	2 S/F	2046.8	2047.8	1.6	14.0	7.0			
28	127	TORN	44 NS	0620.0E		370.0D		4.0		V=0
	2840	PEKG	1 S	0517.0	0520.0	8.0	7.3			
	2950	GORK	2 S/F	0519.0	0520.5	3.5	6.8			
	600	GORK	41 F	0600.6	0600.8	2.9	4.7			
	9100	GORK	2 S/F	0629.5	0630.5	2.7	15.0			
	204	IZMI	42 SER	0702.6	0703.5	1.4	11.0			
	5730	IRKU	4 S/F	0703.0	0707.0	35.0	20.0	U		
	9100	GORK	23 GRF	0706.0	0707.5	18.3	16.0			
	9100	GORK	23 GRF	0706.0	0719.9		9.3			
	9100	GORK	45 C	0737.8	0738.0	0.6	40.0			
	9100	GORK	45 C	0737.8	0738.1		85.0			
	204	IZMI	7 C	0749.5	0749.6	0.5	24.0			
204	IZMI	7 C	0758.9	0759.0	0.3	13.0				
600	GORK	3 S	0934.0	0934.2	0.9	5.2				

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

OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak	Mean		
							(10 -22 W/m 2 Hz)			
28	900	GORK	1 S	0934.1	0934.2	0.4	4.5			
	3000	IZMI	22 GRF	0944.5	0948.2	11.5	24.0	12.0		
	9100	GORK	46 C	0945.4	0948.1		38.0			
	2950	GORK	46 C	0945.4	0948.3		19.0			
	2950	GORK	46 C	0945.4	0946.8	8.6	18.0			
	9100	GORK	46 C	0945.4	0946.8	4.6	50.0			
	9100	GORK	29 PBI	0950.0	0950.0	11.5	13.0			
	2950	GORK	29 PBI	0954.0	1009.5	51.2	6.1			
	204	IZMI	42 SER	1012.8	1012.8	0.8	15.0			
	900	GORK	42 SER	1014.3	1015.0	14.9	23.0			
	900	GORK	42 SER	1014.3	1026.9		140.0			
	600	GORK	41 F	1022.6	1022.9	4.0	7.2			
	3000	IZMI	22 GRF	1105.4	1108.6	33.5	11.0	4.0		
	245	SVTO	8 S	1227.0	1227.0		190.0			QL=2 ST=2 TYP=3
	15400	SVTO	8 S	1525.0	1525.0	1.0	37.0			QL=4 ST=4 TYP=3
	15400	SVTO	4 S/F	1525.0	1525.0	515.0	37.0			QL=4 ST=1 TYP=3
	6700	CUBA	21 GRF	1622.0	1634.0	51.0	12.0	6.0		48L
	9500	CUBA	21 GRF	1630.0	1635.0	38.0	11.0	5.0		
	9500	CUBA	2 S/F	1631.5	1632.3	3.0	8.0	4.0		
	6700	CUBA	1 S	1632.0	1632.5	1.5	9.0	4.0		18L
	9500	CUBA	21 GRF	1835.0	1851.0	86.0	9.0	4.0		
	2800	PENT	20 GRF	1841.0	1915.0	43.0	3.0			
	6700	CUBA	21 GRF	1842.0	2050.0	203.0D	15.0			00L SUNSET
	6700	CUBA	46 C	1842.6	1842.8	8.4	23.0			00L
	8800	SGMR	4 S/F	1846.0	1846.0	3.0	56.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1846.0	1846.0	3.0	58.0			QL=4 ST=2 TYP=3
	9500	CUBA	45 C	1846.0	1846.8	3.4	35.0	17.0		
	6700	CUBA	2 S/F	2122.2	2125.5	5.0	8.0	4.0		35R
	2840	PEKG	5 S	2325.0	2327.3	4.0	296.5			
	500	HIRA	8 S	2326.0	2327.0	2.0	330.0			0
	245	LEAR	8 S	2327.0	2327.0		210.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	2327.0	2327.0		91.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	2327.0	2327.0		220.0			QL=4 ST=2 TYP=3
8800	LEAR	8 S	2327.0	2327.0		44.0			QL=4 ST=2 TYP=3	
4995	LEAR	8 S	2327.0	2327.0		36.0			QL=4 ST=2 TYP=3	
8800	PALE	8 S	2327.0	2327.0		40.0			QL=4 ST=2 TYP=3	
2695	PALE	8 S	2327.0	2327.0		170.0			QL=4 ST=2 TYP=3	
29	127	TORN	44 NS	0620.0E		520.0D		30.0		V=1
	204	IZMI	43 NS	0700.0		200.0U		0.5		
	2840	PEKG	47 GB	0128.0	0148.1	41.0	582.3			
	5730	IRKU	48 C	0129.0	0147.5	134.0E	1755.0		U	
	1415	LEAR	8 S	0130.0	0131.0	2.0	64.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0130.0	0131.0	2.0	76.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0130.0	0130.0	1.0	30.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0131.0	0131.0	1.0	34.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0135.0	0137.0	2.0	25.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0137.0	0138.0	2.0	56.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0137.0	0137.0	1.0	74.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0137.0	0138.0	2.0	68.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0137.0	0138.0	2.0	84.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0138.0	0138.0		26.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0138.0	0138.0		31.0			QL=4 ST=2 TYP=3
	1415	LEAR	48 C	0141.0	0221.0	49.0	650.0			QL=4 ST=2 TYP=8
	4995	LEAR	49 GB	0141.0	0147.0	45.0	990.0			QL=4 ST=2 TYP=6
	2695	PALE	48 C	0141.0	0225.0	75.0	1900.0			QL=4 ST=2 TYP=8
	1415	LEAR	48 C	0141.0	0221.0	1339.0	650.0			QL=4 ST=1 TYP=8
	4995	LEAR	49 GB	0141.0	0147.0	1339.0	990.0			QL=4 ST=1 TYP=6
	2695	PALE	48 C	0141.0	0220.0	1339.0	1500.0			QL=4 ST=1 TYP=8
	2695	LEAR	48 C	0142.0	0225.0	48.0	1800.0			QL=4 ST=2 TYP=8
	8800	LEAR	49 GB	0142.0	0147.0	41.0	1500.0			QL=4 ST=2 TYP=6
4995	PALE	49 GB	0142.0	0147.0	41.0	1100.0			QL=4 ST=1 TYP=6	
1415	PALE	48 C	0142.0	0242.0	74.0	1100.0			QL=4 ST=2 TYP=8	
2695	LEAR	48 C	0142.0	0225.0	1338.0	1800.0			QL=4 ST=1 TYP=8	
8800	LEAR	49 GB	0142.0	0147.0	1338.0	1500.0			QL=4 ST=1 TYP=6	
2695	LEAR	48 C	0142.0	0220.0	1338.0	1400.0			QL=4 ST=1 TYP=8	
4995	PALE	49 GB	0142.0	0147.0	1338.0	1100.0			QL=4 ST=1 TYP=6	
1415	PALE	4 S/F	0142.0	0146.0	1338.0	460.0			QL=4 ST=1 TYP=3	
8800	PALE	49 GB	0143.0	0147.0	26.0	1400.0			QL=4 ST=2 TYP=6	

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

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Oct 00

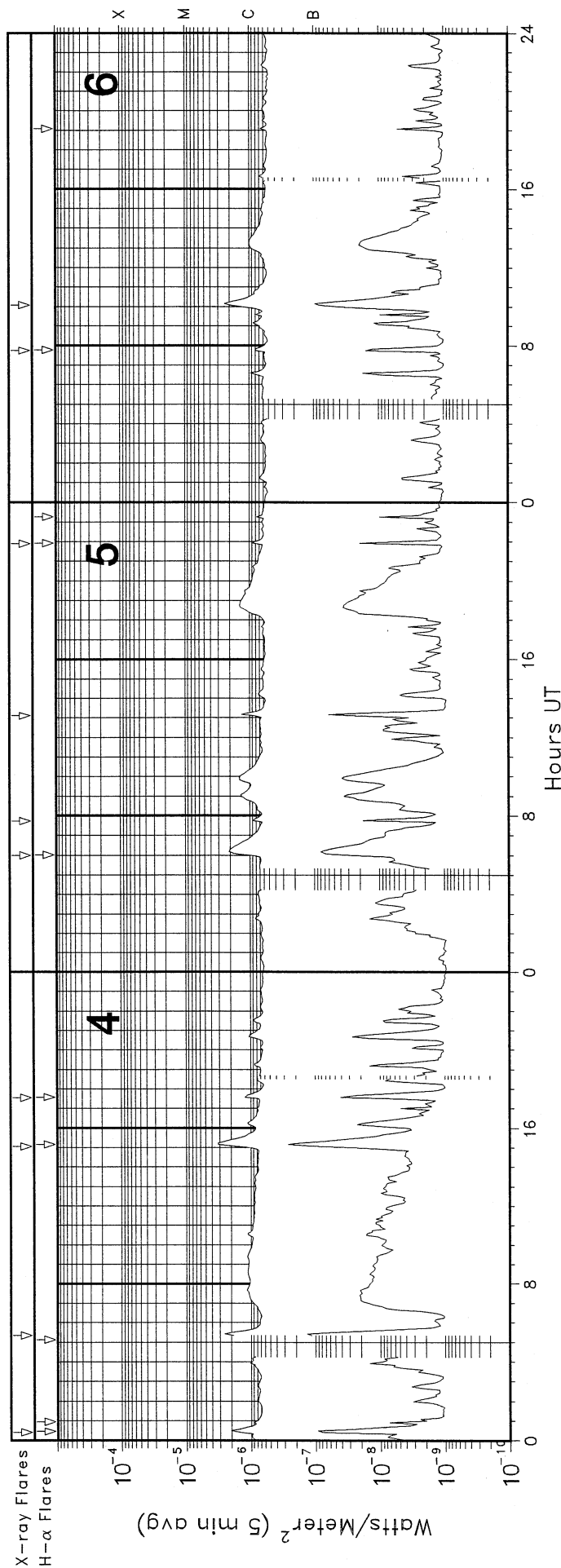
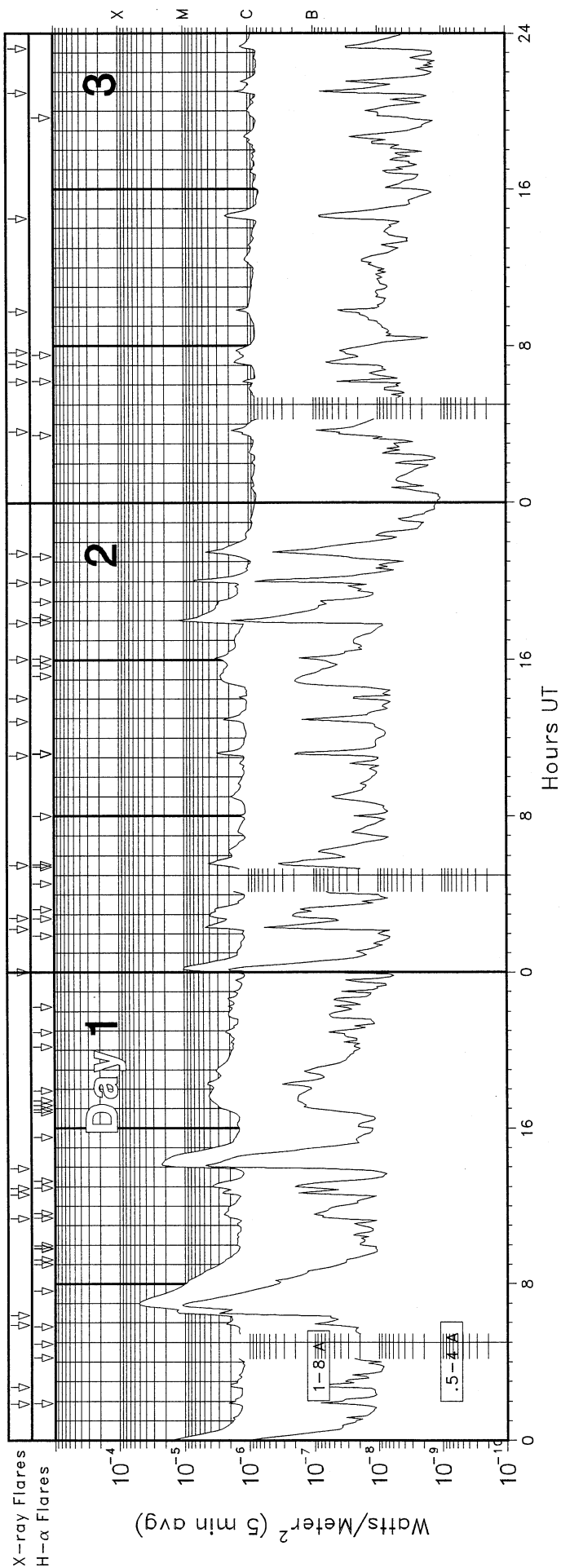
OCTOBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
29	500	HIRA	7 C	0143.0	0155.0	67.0	130.0			0
	200	HIRA	7 C	0143.0	0303.0	92.0	100.0			0
	8800	PALE	49 GB	0143.0	0147.0	1337.0	1400.0			QL=4 ST=1 TYP=6
	610	LEAR	48 C	0144.0	0154.0	20.0	270.0			QL=4 ST=2 TYP=8
	410	LEAR	20 GRF	0144.0	0150.0	20.0	150.0			QL=4 ST=2 TYP=2
	410	LEAR	48 C	0144.0	0201.0	1336.0	140.0			QL=4 ST=1 TYP=8
	610	LEAR	48 C	0144.0	0154.0	1336.0	270.0			QL=4 ST=1 TYP=8
	15400	PALE	49 GB	0145.0	0147.0	9.0	690.0			QL=4 ST=2 TYP=6
	245	LEAR	48 C	0145.0	0202.0	31.0	120.0			QL=4 ST=2 TYP=8
	245	LEAR	48 C	0145.0	0202.0	1335.0	120.0			QL=4 ST=1 TYP=8
	15400	PALE	49 GB	0145.0	0147.0	1335.0	690.0			QL=4 ST=1 TYP=6
	15400	LEAR	49 GB	0146.0	0147.0	27.0	720.0			QL=4 ST=2 TYP=6
	15400	LEAR	49 GB	0146.0	0147.0	1334.0	720.0			QL=4 ST=1 TYP=6
	2840	PEKG	47 GB	0210.0	0225.2	37.0	880.2			
	410	LEAR	4 S/F	0230.0	0231.0	3.0	140.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0230.0	0230.0	15.0	480.0			QL=4 ST=2 TYP=3
	245	LEAR	20 GRF	0230.0	0234.0	11.0	140.0			QL=4 ST=2 TYP=2
	1415	LEAR	48 C	0230.0	0242.0	15.0	990.0			QL=4 ST=2 TYP=8
	245	LEAR	20 GRF	0247.0	0255.0	21.0	160.0			QL=4 ST=2 TYP=2
	2840	PEKG	1 S	0335.0	0338.0	6.0	9.7			
	2840	PEKG	45 C	0622.0	0625.0	7.0	14.3			
	410	LEAR	8 S	0623.0	0624.0	2.0	180.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0623.0	0625.0	3.0	120.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0624.0	0625.0	2.0	210.0			0
	610	LEAR	8 S	0624.0	0625.0	2.0	91.0			QL=4 ST=2 TYP=3
	410	SVTO	49 GB	0624.0	0624.0	1.0	520.0			QL=4 ST=2 TYP=6
	2950	GORK	45 C	0624.3	0625.8		16.0			
	2950	GORK	45 C	0624.3	0624.9	2.9	18.0			
	9100	GORK	45 C	0624.5	0624.8	1.6	15.6			
	1415	SVTO	8 S	0625.0	0625.0	1.0	100.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0625.0	0625.0	1.0	97.0			QL=4 ST=2 TYP=3
	204	IZMI	25 R	0822.0		118.0		15.0		
245	SVTO	8 S	1128.0	1128.0	1.0	110.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1136.0	1137.0	1.0	270.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1137.0	1137.0	U	260.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	1145.7	1145.8	0.8	11.0				
127	TORN	45 C	1422.6	1427.5	6.5	40.0	20.0			
127	TORN	4 S/F	1447.5	1448.2	1.6	60.0D	20.0D			
2800	PENT	1 S	1603.0	1609.0	9.0	4.0				
30	3000	IZMI	7 C	1115.2	1116.5	3.2	11.0	4.0		
	245	SGMR	8 S	1614.0	1615.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1614.0	1614.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1706.0	1706.0	2.0	75.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1707.0	1707.0	1.0	20.0			QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1707.0	1707.0	1.0	700.0			QL=4 ST=2 TYP=6
	245	SGMR	8 S	1753.0	1753.0	1.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	2235.0	2237.0	2.0	180.0			QL=4 ST=2 TYP=3
500	HIRA	8 S	2237.0	2237.0	1.0	190.0			0	
31	2840	PEKG	3 S	0251.0	0254.8	15.0	19.2			
	5730	IRKU	4 S/F	0252.7	0300.0	28.8	28.0	U		
	610	LEAR	8 S	0259.0	0259.0	U	270.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0730.4	0731.1	1.6	6.0			
	204	IZMI	41 F	0747.2	0747.6	0.6	33.0			
	410	LEAR	8 S	0951.0	0952.0	2.0	35.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0951.0	0952.0	2.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0952.0	0952.0	1.0	11.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	1749.0	1749.0	U	60.0			QL=4 ST=2 TYP=3	

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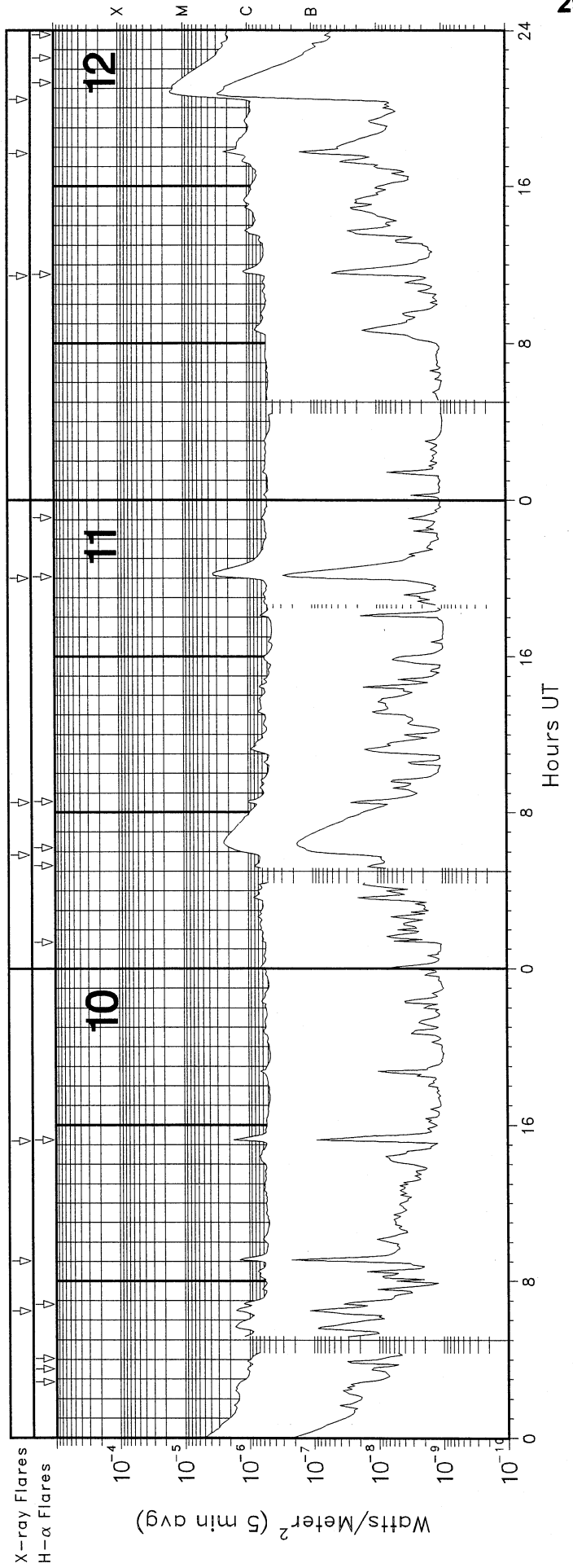
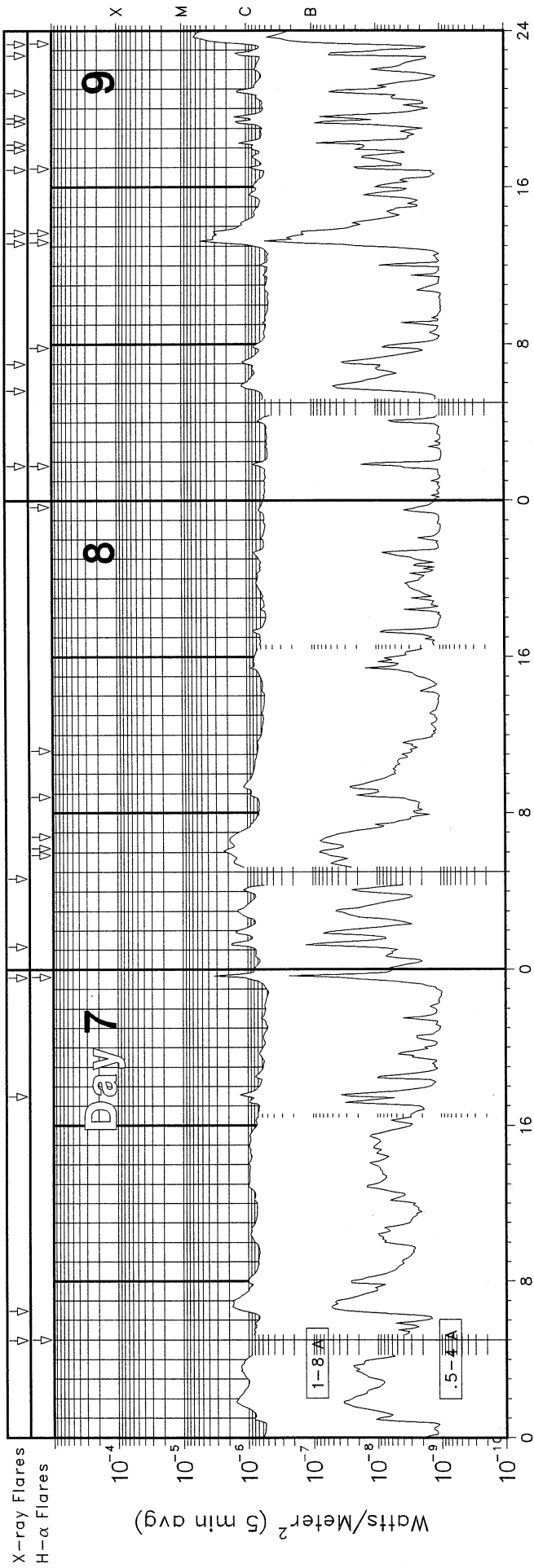
GOES X-RAY DETECTOR

October 2000



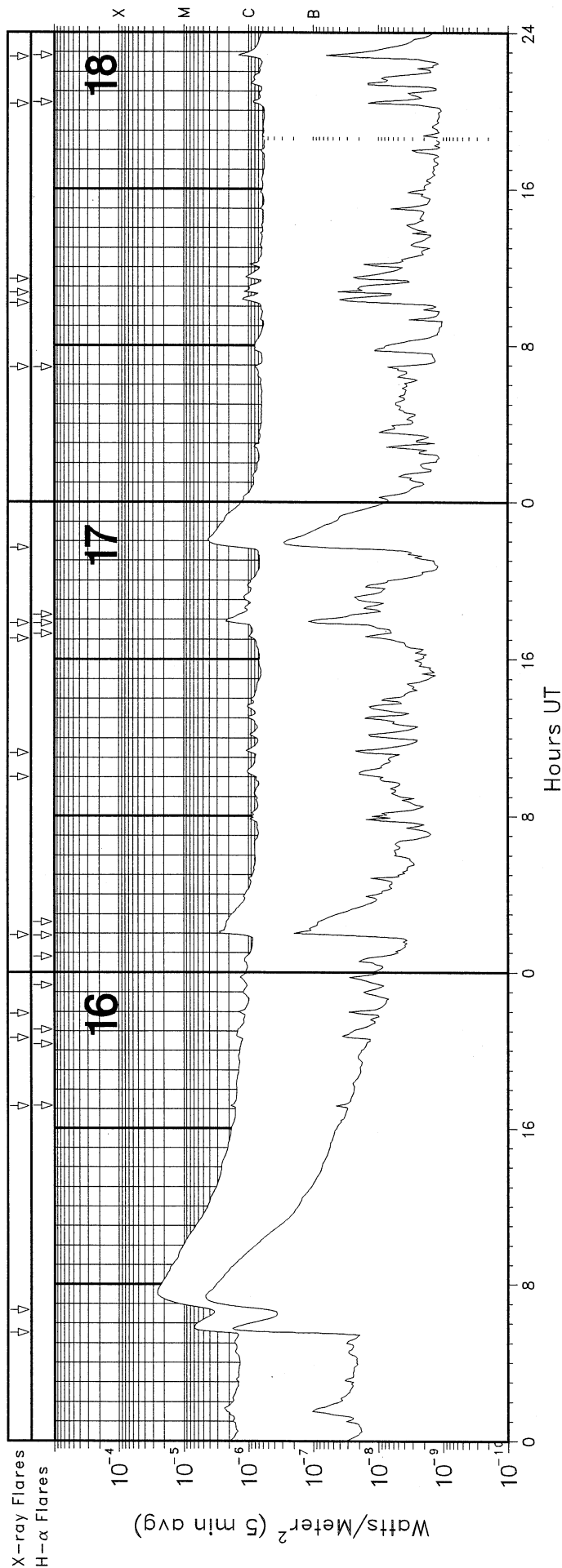
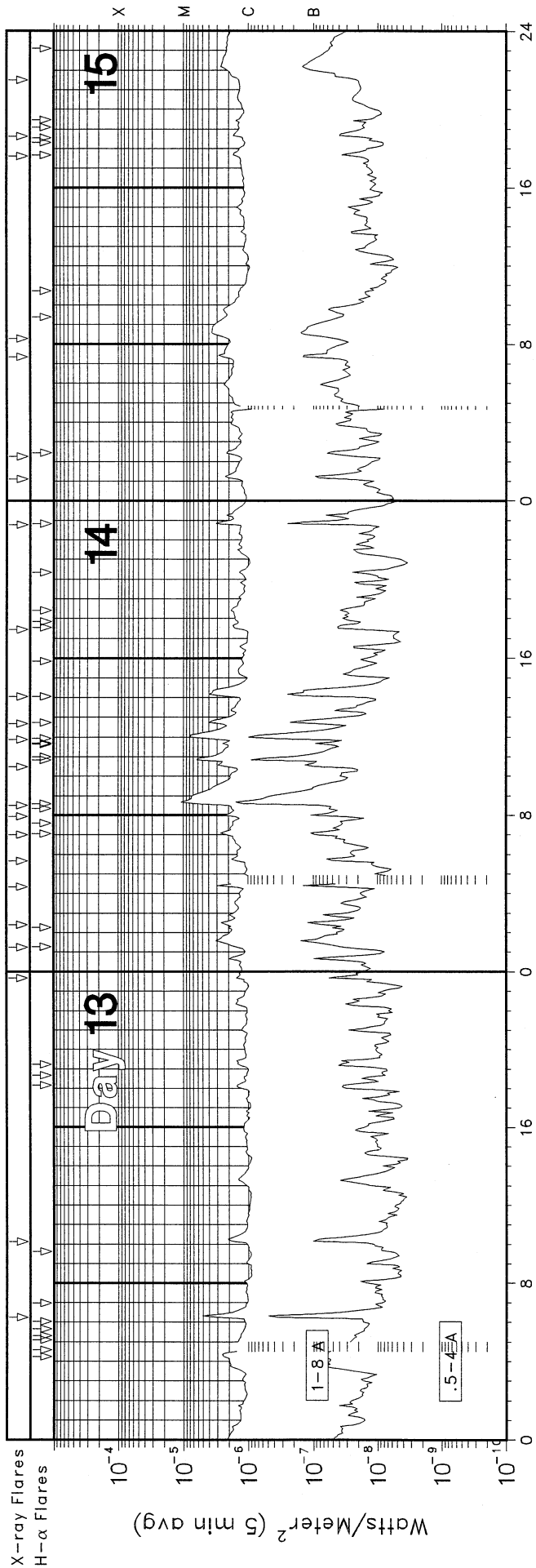
GOES X-RAY DETECTOR

October 2000



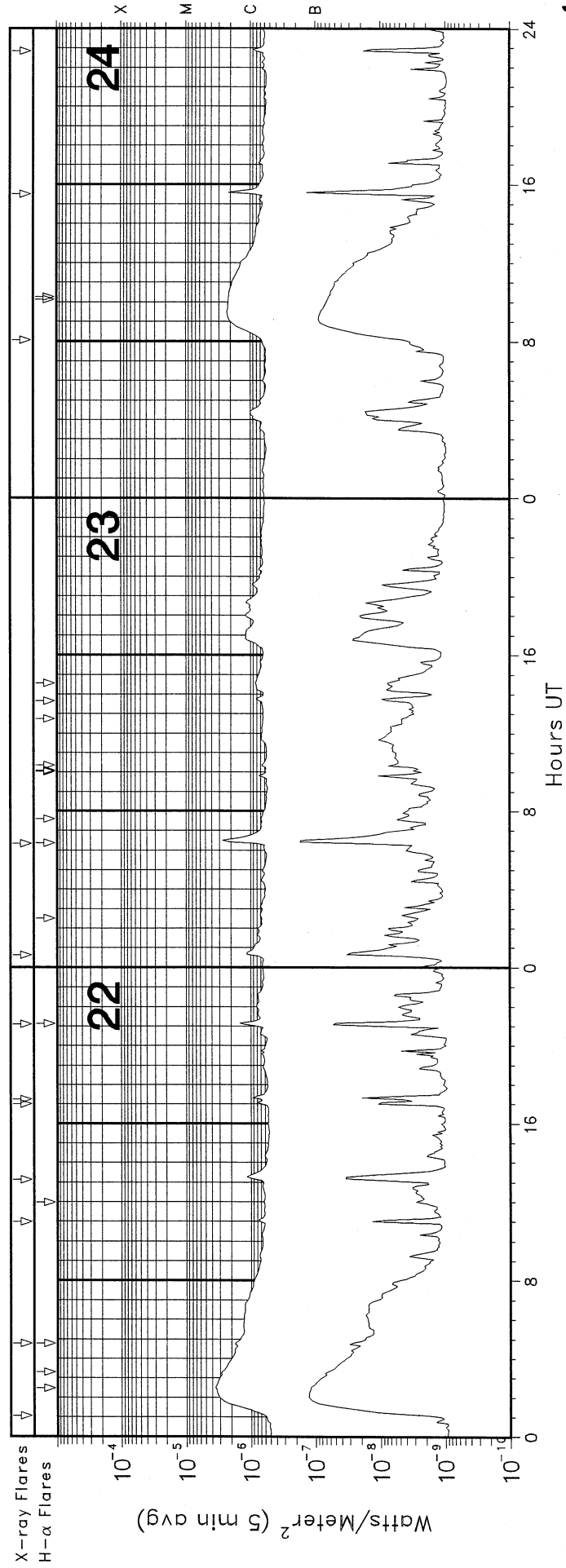
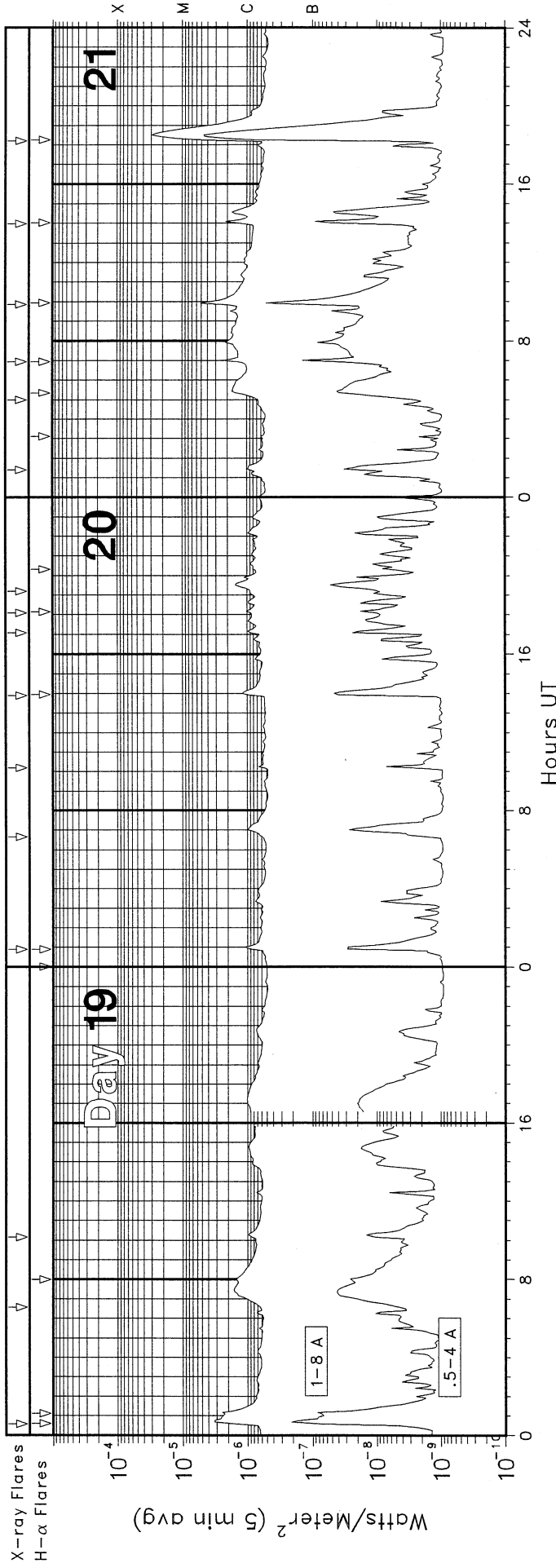
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Oct 00

GOES X-RAY DETECTOR October 2000



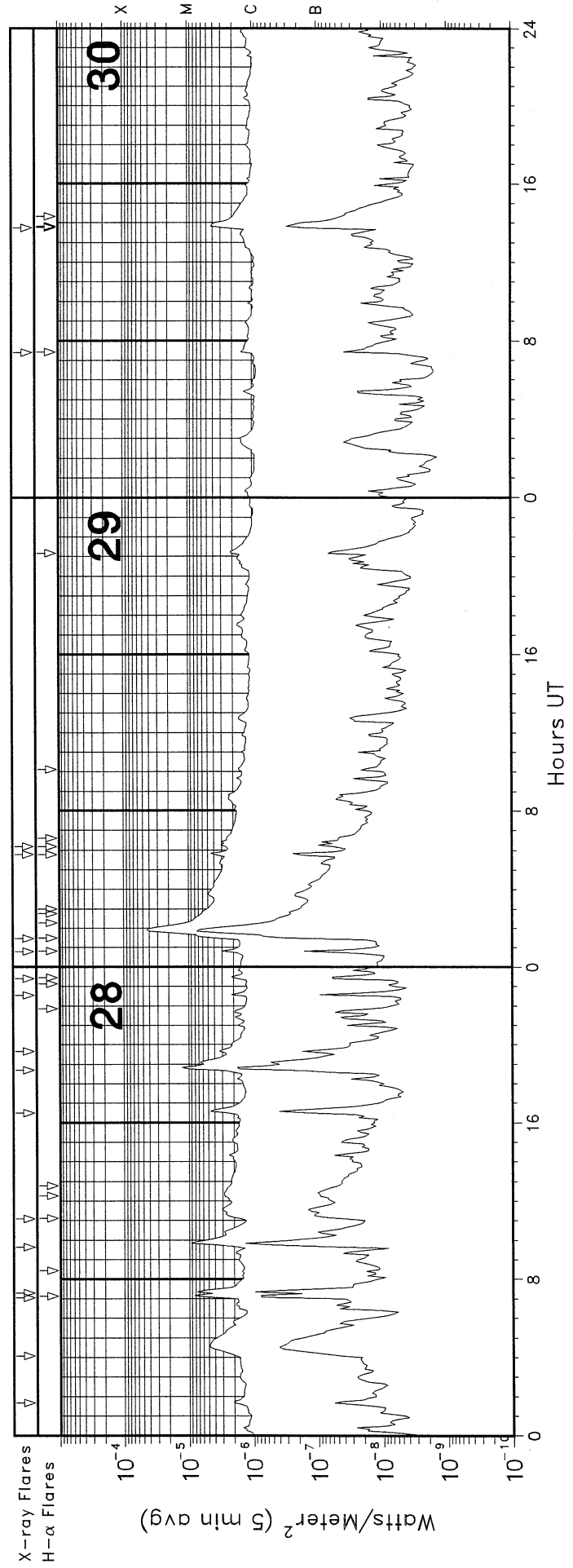
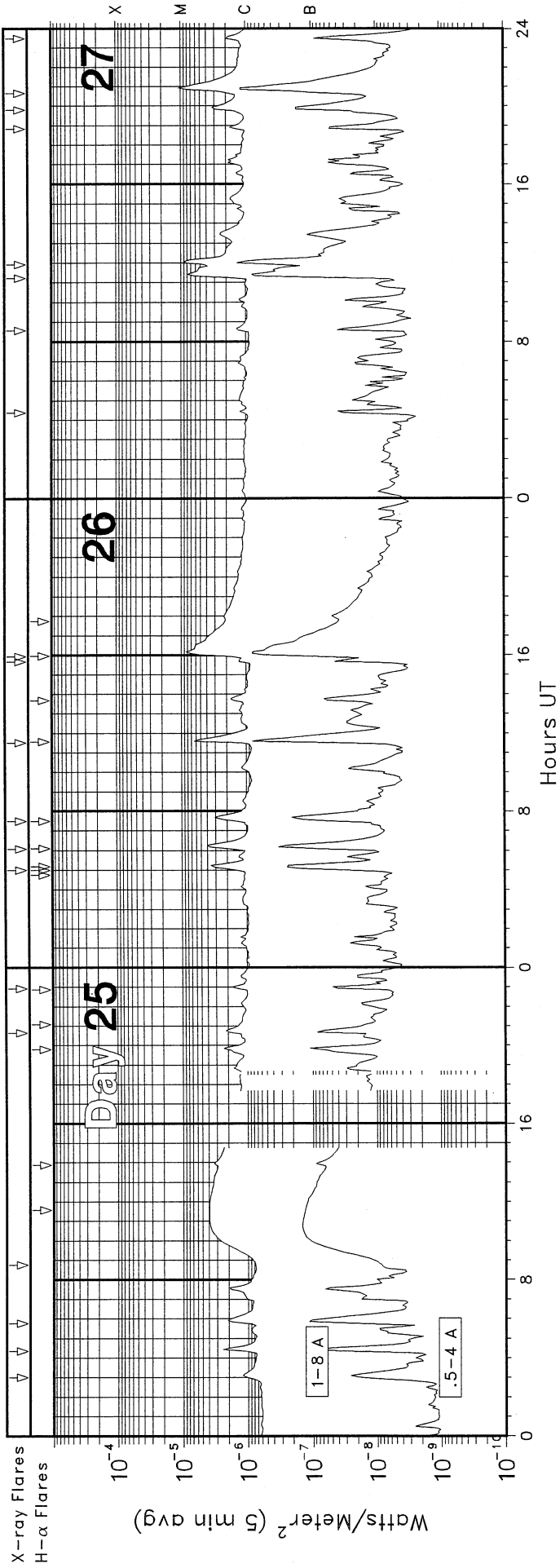
GOES X-RAY DETECTOR

October 2000



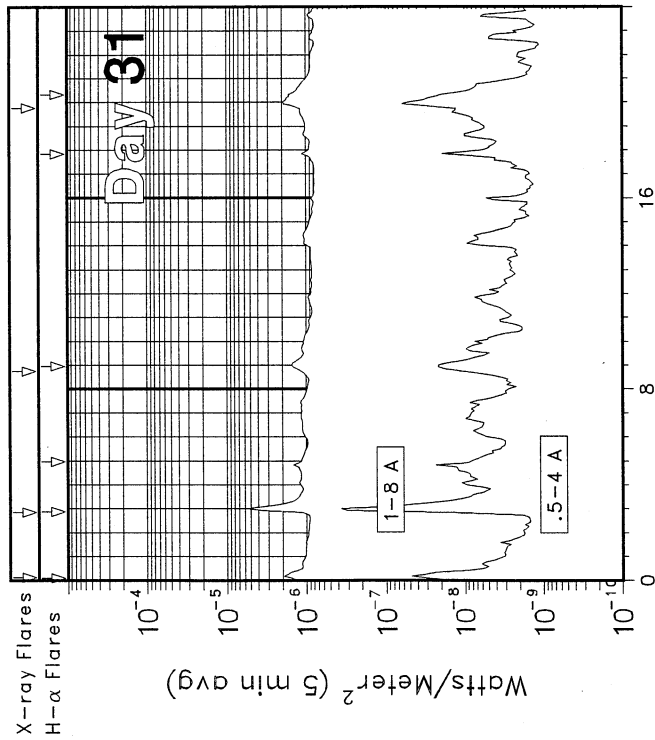
GOES X-RAY DETECTOR

October 2000



GOES X-RAY DETECTOR

October 2000



GOES SOLAR X-RAY FLARES
Preliminary Listing

October 2000

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
01	0152	0158	0201	S06	E25	1F	C2.1 9176	1.0E-03
01	0243	0249	0255				C2.1	1.4E-03
01	0552	0556	0607	S21	E33	SF	C2.3 9178	1.9E-03
01	0623	0701	0725				M5.0 9169	1.1E-01
01	1121	1140	1204	S22	E26	SF	C2.5	5.5E-03
01	1236	1243	1250				C2.8	1.9E-03
01	1255	1304	1315	S10	E15	1F	C3.8 9176	3.9E-03
01	1356	1410	1441	S24	E27	SF	M2.2 9178	4.7E-02
02	0001	0013	0028				M1.0	1.2E-02
02	0215	0222	0234				C5.0	4.1E-03
02	0248	0257	0313	S09	E07	SF	C4.1 9176	5.5E-03
02	0530	0536	0547	N28	W45	1F	C4.4 9177	3.6E-03
02	1107	1114	1117	S08	E13	SF	C4.5 9176	1.6E-03
02	1251	1256	1304				C2.5	1.6E-03
02	1401	1405	1408				C1.5	5.7E-04
02	1602	1605	1609	S22	E15	SF	C3.6 9178	1.3E-03
02	1753	1801	1808	N27	W51	1N	M1.4 9177	7.1E-03
02	1957	2004	2010				C8.4	4.5E-03
02	2126	2131	2137	N01	E80	SF	C4.8 9182	2.5E-03
03	0337	0341	0346	S01	E78	SF	C1.9 9182	8.9E-04
03	0610	0613	0616	N29	W66	SF	C1.7 9177	4.5E-04
03	0704	0712	0725				C1.6	1.8E-03
03	0740	0746	0751	N27	W59	SF	C1.5 9177	9.3E-04
03	0946	0950	0953				C1.7	5.9E-04
03	1429	1442	1449				C2.2	2.2E-03
03	2055	2101	2104				C1.8	7.4E-04
03	2314	2318	2330				C1.4	1.2E-03
04	0024	0031	0037	S22	W04	SF	C2.1 9178	1.4E-03
04	0520	0526	0532	S27	E52	SF	C2.6 9181	1.6E-03
04	1503	1514	1524	S29	E48	SF	C3.4 9181	3.4E-03
04	1733	1737	1745	S23	W12	SF	C1.2 9178	8.1E-04
05	0600	0613	0638	N14	W61	1F	C2.1 9172	3.9E-03
05	0744	0748	0752				C1.0	4.2E-04
05	1306	1312	1318				C1.3	8.2E-04
05	2154	2158	2202	S26	E32	SF	B9.7 9181	4.2E-04
06	0744	0749	0754	S10	W42	SF	B8.7 9176	4.7E-04
06	1005	1011	1016				C2.4	1.4E-03
07	0458	0500	0504	S23	W42	SF	C1.1 9178	4.0E-04
07	0628	0641	0717				C1.7	4.6E-03
07	1730	1735	1740				C1.4	7.3E-04
07	2336	2341	2345	S27	E02	1F	C3.9 9181	1.3E-03
08	0111	0118	0126				C2.0	1.4E-03
08	0441	0447	0452				C1.6	8.3E-04
09	0147	0153	0158	S29	W07	SF	B8.2 9181	4.8E-04
09	0538	0550	0633				C1.1	3.0E-03
09	0700	0705	0714				C1.1	9.0E-04
09	1310	1316	1321	N02	W18	1N	C5.7 9182	2.5E-03
09	1341	1344	1348	N00	W17	SF	C3.5 9182	1.4E-03
09	1654	1658	1704	N01	W20	SF	C1.0 9182	4.9E-04
09	1755	1759	1801				B9.6	3.0E-04
09	1812	1817	1821				C1.4	6.2E-04
09	1915	1919	1923				C1.8	7.1E-04
09	1931	1936	1941				C1.6	7.6E-04
09	2049	2053	2059				C1.4	8.1E-04
09	2244	2249	2253				C2.0	7.4E-04
09	2319	2343	0021	N01	W14	1F	C6.7 9182	1.7E-02

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
10	0627	0632	0639				C1.6	1.1E-03
10	0902	0908	0914				C1.5	8.8E-04
10	1511	1517	1523	S01	W30	SF	C1.8 9182	9.6E-04
11	0550	0627	0719	N03	W41	SF	C2.3 9182	9.7E-03
11	0830	0833	0837	S14	W33	SF	C1.2 9184	4.5E-04
11	1959	2015	2030	N01	W47	SF	C3.5 9182	4.8E-03
12	1126	1140	1152	N03	W59	1F	C1.1 9182	1.4E-03
12	1740	1746	1752				C2.3	1.4E-03
12	2026	2049	2145	N02	W56	SF	M1.5 9182	5.2E-02
13	0614	0620	0625	N11	W74	2N	C6.2 9195	2.6E-03
13	1008	1015	1025				C2.1	1.8E-03
13	2340	2344	2346				C1.8	5.7E-04
14	0115	0135	0154	N20	E59	SF	C3.3 9197	5.5E-03
14	0225	0231	0235	S12	E48	SF	C2.7 9194	1.4E-03
14	0421	0426	0430				C3.3	1.3E-03
14	0540	0545	0553				C1.8	1.3E-03
14	0701	0705	0711	N02	W80	SF	C2.8 9182	1.5E-03
14	0757	0801	0807				C2.4	1.3E-03
14	0831	0840	0907	N04	W82	SF	M1.1 9182	1.6E-02
14	1030	1053	1059	N14	W81	SF	C8.7 9187	6.6E-03
14	1153	1205	1214	N08	W81	SF	C8.4 9182	7.6E-03
14	1241	1248	1254	S14	E40	SF	C4.1 9194	2.7E-03
14	1403	1412	1429	S11	E40	SF	C3.9 9194	5.0E-03
14	1727	1741	1752	S34	E64	SF	C1.7 9198	2.3E-03
14	2247	2254	2258	S30	E72	SF	C3.9 9198	1.8E-03
15	0107	0116	0124				C2.3	2.0E-03
15	0215	0229	0237				C2.2	2.4E-03
15	0720	0724	0729				C3.4	1.5E-03
15	0817	0836	0912				C3.6	1.0E-02
15	1737	1744	1750	S29	E59	SF	C1.7 9198	1.2E-03
15	1838	1843	1853	S29	E57	SF	C1.7 9198	1.4E-03
15	2131	2212	2304				C2.7	1.2E-02
16	0532	0549	0623				C7.0	1.7E-02
16	0640	0728	0911				M2.5	1.6E-01
16	1708	1712	1716	N09	E52	SF	C1.9 9199	8.7E-04
16	2039	2048	2110				C1.5	2.7E-03
16	2154	2200	2202				C1.6	6.3E-04
17	0156	0204	0246	N06	W75	SF	C3.0 9193	6.9E-03
17	1001	1020	1032				C1.0	1.7E-03
17	1114	1122	1128				C1.1	8.1E-04
17	1703	1712	1721	N05	W82	SF	B9.7 9193	9.8E-04
17	1749	1759	1810	S21	E47	SF	C2.2 9200	2.4E-03
17	2140	2205	2257				C4.2	1.5E-02
18	0653	0656	0700	S33	E25	SF	B8.0 9198	3.3E-04
18	1009	1023	1032				C1.2	1.4E-03
18	1042	1047	1054				C1.2	7.2E-04
18	1124	1131	1144				C1.1	1.2E-03
18	2022	2029	2035	N06	E29	SF	B8.8 9199	6.1E-04
18	2246	2251	2259	N07	E27	SF	C1.4 9199	9.4E-04
19	0034	0044	0107	S11	W19	1F	C3.5 9194	5.0E-03
19	0634	0727	0826				C1.6	8.4E-03
19	1009	1019	1025				B9.8	8.8E-04
20	0054	0100	0107	N07	E08	SF	C1.1 9199	7.6E-04
20	0639	0704	0722				B9.8	2.1E-03

GOES SOLAR X-RAY FLARES
 Preliminary Listing

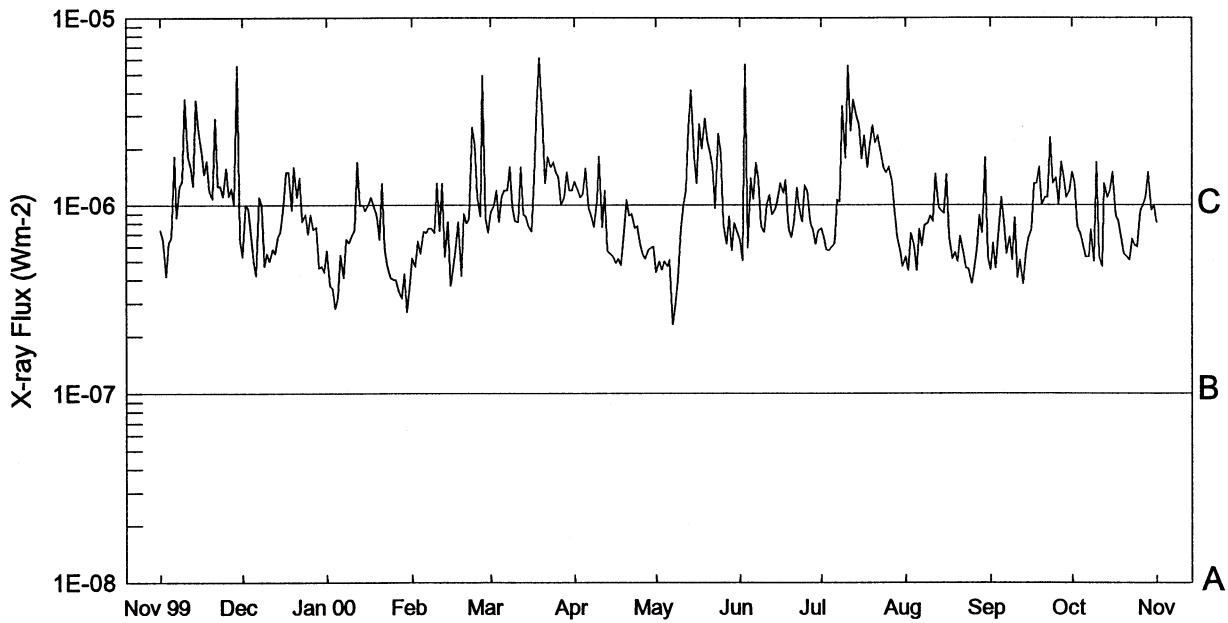
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 Oct 00

October 2000

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
20	1012	1015	1020				B7.3		3.0E-04
20	1353	1400	1415	N07	E03	SF	C1.2 9199		1.4E-03
20	1704	1710	1718				B9.9		7.6E-04
20	1805	1813	1816	N09	W03	SF	C1.0 9199		6.3E-04
20	1912	1933	1942				C1.6		2.1E-03
21	0124	0129	0134				C1.0		5.7E-04
21	0500	0526	0613	N09	W09	SF	C1.6 9199		5.8E-03
21	0657	0701	0706	N19	E29	SF	C2.4 9201		1.1E-03
21	0951	0956	1003	N08	W09	SF	C5.6 9199		2.9E-03
21	1359	1406	1410	N16	E16	SF	C2.3 9201		1.1E-03
21	1813	1831	1846	N17	E23	1N	M3.0 9201		3.6E-02
22	0103	0231	0357	N18	W29	SF	C3.6 9203		2.6E-02
22	0446	0448	0452	N07	W19	SF	C1.8 9199		6.4E-04
22	1059	1104	1109				B8.1		4.4E-04
22	1307	1317	1327				C1.1		1.2E-03
22	1701	1704	1710				B8.4		4.1E-04
22	1715	1723	1727				B9.6		5.9E-04
22	2106	2109	2113	N16	E05	SF	C1.8 9201		6.3E-04
23	0039	0043	0052				C1.2		8.7E-04
23	0620	0630	0638	N06	W40	SF	C2.9 9199		2.1E-03
24	0804	0932	1144				C2.3		2.4E-02
24	1530	1538	1542				C2.1		1.2E-03
24	2250	2255	2259				B9.8		4.7E-04
25	0300	0308	0319				C1.2		1.3E-03
25	0420	0426	0434				C2.6		1.6E-03
25	0546	0556	0609				C2.1		2.4E-03
25	0845	1125	1521				C4.0		6.5E-02
25	2039	2044	2055				C2.3		1.9E-03
25	2255	2301	2306	S20	E72	SF	C1.8 9209		1.0E-03
26	0500	0517	0522				C3.7		3.5E-03
26	0604	0615	0624	S25	E71	SF	C4.3 9209		3.8E-03
26	0730	0742	0751	N15	W85	SF	C3.1 9203		3.0E-03

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
26	1131	1137	1147	N17	W77	SF	C6.9 9203		4.5E-03
26	1539	1543	1552				C1.4		9.8E-04
26	1555	1611	1642	S20	E64	1N	C8.5 9209		1.7E-02
27	0422	0425	0428				C1.3		4.5E-04
27	0835	0838	0843				C1.7		6.7E-04
27	1114	1127	1150				C8.2		1.2E-02
27	1155	1203	1213				C9.7		8.0E-03
27	1850	1855	1903				C1.8		1.2E-03
27	1947	1956	2004				C3.3		2.8E-03
27	2039	2056	2108				M1.1		1.1E-02
27	2329	2333	2338				C2.0		1.0E-03
28	0140	0144	0149				C2.1		1.1E-03
28	0404	0436	0508				C4.9		1.5E-02
28	0703	0710	0715	N07	E82	SF	C9.7 9212		4.5E-03
28	0718	0723	0727				C8.1		3.6E-03
28	0939	0952	1002				C9.6		7.9E-03
28	1106	1136	1154				C3.1		7.4E-03
28	1630	1638	1645				C4.8		3.4E-03
28	1841	1849	1854				M1.7		7.4E-03
28	1940	1944	1946				C3.9		1.2E-03
28	2233	2237	2240				C2.6		8.5E-04
28	2325	2330	2334	S02	E72	SF	C2.5 9213		1.1E-03
29	0048	0052	0055	N07	E75	SF	C3.4 9212		1.2E-03
29	0128	0157	0209	S25	E35	2B	M4.4 9209		5.6E-02
29	0547	0550	0553	N07	E70	SF	C5.4 9212		1.6E-03
29	0610	0616	0622	S12	E64	1F	C3.1 9214		2.1E-03
30	0724	0728	0733				C1.5		7.6E-04
30	1344	1350	1406	S23	E08	1F	C4.3 9209		4.7E-03
31	0007	0010	0015	S21	E08	SF	C2.1 9209		8.9E-04
31	0251	0300	0307	S18	E07	1F	C6.0 9209		3.6E-03
31	0844	0902	0914	S17	W26	SF	C1.6 9207		2.5E-03
31	1946	1958	2022	S20	W02	SF	C2.0 9209		3.6E-03

Preliminary GOES Satellite Daily X-Ray Background Nov 1999 - Oct 2000



Day	Nov 99	Dec	Jan 00	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
1	B7.3	B5.3	B5.7	B5.2	B9.2	C1.3	B4.4	B6.4	B7.4	B5.2	B4.5	C1.5
2	B6.5	C1.0	B3.7	B4.7	B9.9	C1.2	B5.0	B5.0	B6.7	B4.4	B6.3	C1.3
3	B4.1	B9.6	B3.6	B6.4	C1.2	C1.0	B4.5	C5.6	B5.7	B7.0	B4.6	B7.7
4	B6.3	B7.1	B2.8	B5.5	B8.1	C1.1	B5.0	B5.9	B5.7	B6.0	B7.5	B7.0
5	B6.7	B5.1	B3.2	B7.2	C1.1	C1.5	B4.7	C1.3	B5.9	B4.4	C1.1	B6.1
6	C1.8	B4.2	B5.4	B7.1	C1.2	B9.6	B5.1	C1.0	B6.2	B7.4	B8.2	B5.3
7	B8.5	C1.1	B4.1	B7.5	C1.2	B8.7	B2.3	C1.6	C1.0	B6.0	B5.5	B5.3
8	C1.2	C1.0	B6.6	B7.5	C1.6	B7.6	B2.9	C1.3	C1.0	B7.7	B6.8	B7.4
9	C1.3	B4.7	B6.3	B7.1	B9.7	C1.0	B3.9	B7.7	C3.3	B7.9	B5.1	B5.0
10	C3.6	B5.5	B6.8	C1.3	B8.2	C1.8	B7.4	B7.1	C1.7	B8.7	B8.6	C1.7
11	C1.8	B5.0	B7.4	B7.3	B8.1	B7.6	C1.0	C1.0	C5.5	B8.2	B4.1	B5.3
12	C1.6	B5.8	C1.7	C1.3	C1.6	C1.1	C1.2	C1.1	C2.4	C1.4	B5.1	B4.7
13	C1.2	B5.5	B9.9	B5.3	B8.9	B5.6	C2.6	B8.8	C3.6	B9.7	B3.8	C1.3
14	C3.6	B6.8	C1.0	B8.1	B8.7	B5.4	C4.1	B9.4	C2.9	B9.3	B5.5	C1.1
15	C2.5	B7.2	B9.3	B3.7	B7.7	B5.3	C1.8	C1.0	C2.6	B9.0	B6.7	C1.2
16	C1.9	C1.0	C1.0	B4.6	B7.2	B4.8	C1.3	C1.2	C1.7	C1.4	B7.4	C1.5
17	C1.4	C1.5	C1.1	B5.9	C1.4	B5.1	C2.7	C1.1	C2.3	B6.7	C1.3	B8.8
18	C1.7	C1.5	C1.0	B8.1	C3.4	B4.7	C2.0	C1.3	C1.5	B5.1	C1.3	B8.2
19	C1.1	B9.4	B8.8	B4.2	C6.1	B7.2	C2.9	B7.4	C2.1	B5.5	C1.6	B6.8
20	C1.0	C1.6	B6.5	B9.0	C2.9	C1.0	C2.2	B6.7	C2.6	B5.0	C1.0	B5.5
21	C2.8	C1.1	C1.3	B8.0	C1.3	B8.7	C1.9	B7.9	C2.1	B6.8	C1.1	B5.3
22	C1.2	C1.4	B5.8	B8.4	C1.8	B8.9	C1.6	C1.2	C2.3	B5.5	C1.1	B5.1
23	C1.2	B8.2	B4.7	C2.6	C1.6	B7.4	B9.6	B9.9	C1.8	B4.5	C2.3	B6.6
24	C1.1	B8.9	B4.1	C2.1	C1.7	B7.6	C2.4	B8.1	C1.5	B4.5	C1.3	B6.1
25	C1.5	B7.0	B4.0	C1.1	C1.5	B6.2	C1.9	C1.2	C1.4	B3.8	C1.4	B6.0
26	C1.1	B8.9	B4.0	B8.7	C1.4	B5.5	B7.9	C1.1	C1.5	B4.3	C1.0	B9.4
27	C1.2	B7.4	B3.5	C4.9	C1.0	B5.1	B6.2	B7.9	C1.3	B5.8	C1.7	C1.0
28	B9.9	B7.6	B3.2	B8.4	C1.1	B5.7	B8.7	B7.3	B9.2	B8.8	C1.4	C1.1
29	C5.5	B4.6	B4.3		C1.5	B5.8	B5.7	B6.2	B6.6	B7.1	C1.1	C1.5
30	B6.5	B4.7	B2.7		C1.2	B6.0	B8.0	B8.0	B5.5	C1.7	C1.2	B9.4
31		B4.4	B3.6		C1.2		B7.3		B4.6	B5.2		C1.0

ACTIVE PROMINENCES AND FILAMENTS

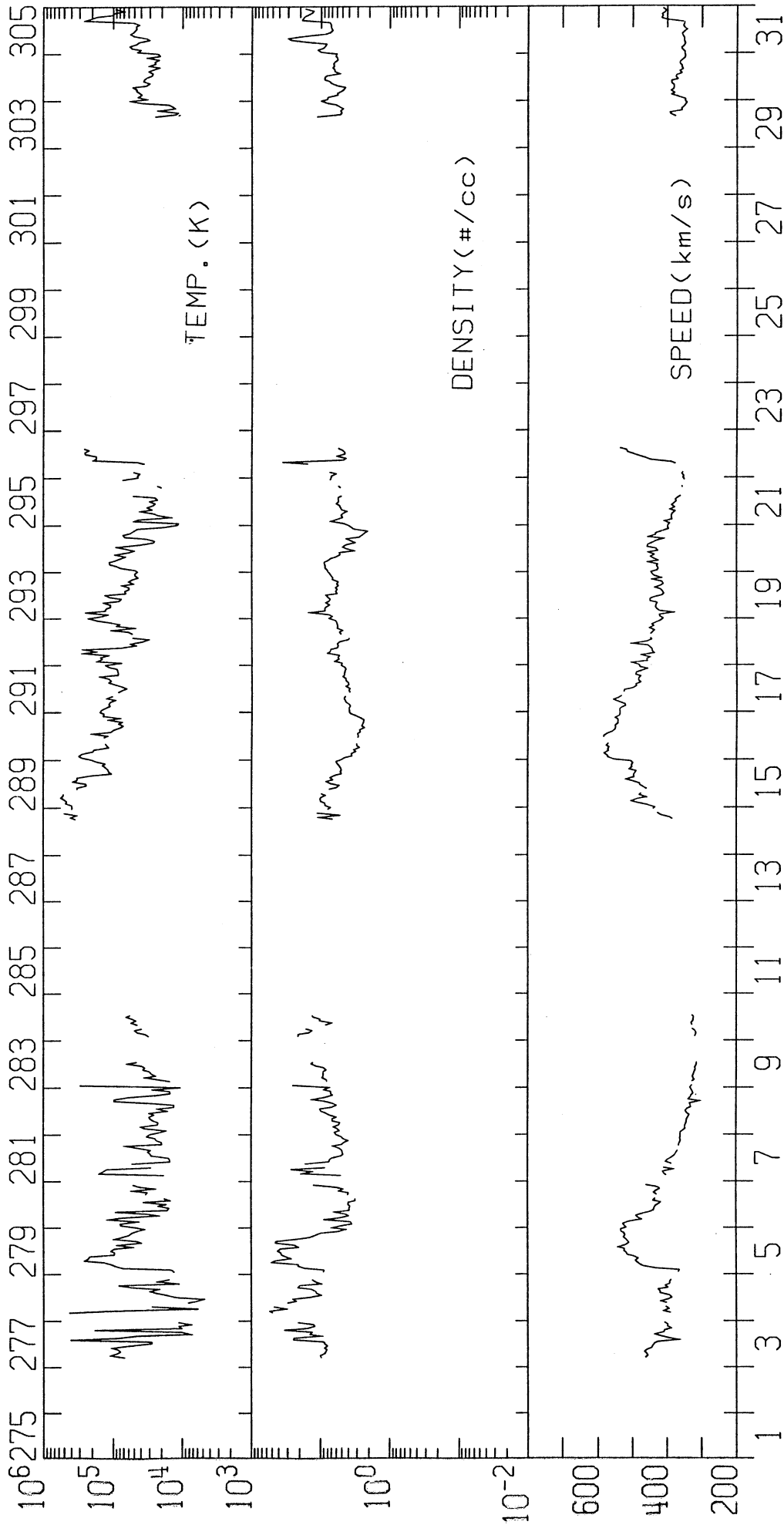
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Oct 00

OCTOBER 2000

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
01	DSF	0017U	1452U	N20	W43	09	27.8	3	13	0	0	E	HOLL	9177	
01	LPS	0731E	0943	N07	W90	09	24.7			9	9	E	LEAR	9169	
01	SPY	0900E	1025D	N01	W90	09	24.6	2	18	9	9	V	KHAR		
01	ADF	0905	0920	N23	W43	09	28.1	1	05	9	9	V	KHAR		
01	ADF	0935U	1000	S18	E42	10	4.6	1	15	9	9	V	KHAR		
01	ADF	0950	1025D	N23	W43	09	28.2	1	05	9	9	V	KHAR		
01	DSF	1831U	1110U	N22	W37	09	29.0		12	0	0	E	RAMY		
05	DSF	0847U	2321U	S03	W15	10	4.2		10	0	0	E	LEAR		
07	ADF	1316E	0000	S15	E24	10	9.4	1	12	6	4	E	RAMY	9181	
07	DSF	2052U	1114U	S48	E06	10	8.4		05	0	0	E	RAMY		
08	DSF	0915U	2313U	N24	E38	10	11.3		18	0	0	E	LEAR		
08	DSF	1155U	0542U	N43	E25	10	10.5	2	09	0	0	E	SVTO		
08	DSF	2045U	1122U	N54	E22	10	10.7		14	0	0	E	RAMY		
09	DSF	1400U	0558U	S02	E00	10	9.6	2	10	0	0	E	SVTO		
09	DSF	1853U	1144U	N00	W13	10	8.8		12	0	0	E	RAMY	9182	
10	DSF	1854U	2010U	N11	W64	10	6.0	2	12	0	0	E	RAMY		
10	DSF	2053U	1139U	N27	W28	10	8.7		07	0	0	E	RAMY		
12	DSF	2109U	1130U	N17	E01	10	12.9		05	0	0	E	RAMY		
13	DSF	0929U	2256U	N12	W35	10	10.7	2	04	0	0	E	LEAR		
13	DSF	0929U	2256U	S01	W24	10	11.6	2	06	0	0	E	LEAR		
14	DSF	2055U	1120U	S13	E05	10	15.2		06	0	0	E	RAMY	9190	
14	DSF	2055U	1124U	N25	W31	10	12.5		07	0	0	E	RAMY		
16	LPS	1028E	1122D	N02	W90	10	9.7	1	11			P	WROC		
16	DSF	2105U	1109U	N47	E23	10	18.8		05	0	0	E	RAMY		
19	DSF	2039U	1122U	N05	E31	10	22.2		11	0	0	E	RAMY	9199	
21	EPL	2230E	0117D	S30	E90	10	29.0	3		6	9	E	LEAR		
25	BSL	0925U	0945	S19	E90	11	1.2	1	02	9	9	V	KHAR		
25	BSL	1010	1023	S19	E90	11	1.2	1	05	9	9	V	KHAR		
25	BSL	1140	1148	S19	E90	11	1.3	1	05	9	9	V	KHAR		
26	DSF	2008U	1225U	N16	W16	10	25.6		17	0	0	E	RAMY		
27	DSF	1055	1146	N05	W34	10	24.9		12	0	0	E	SVTO		
28	DSF	0943U	2248U	N18	W52	10	24.4		17	0	0	E	LEAR		
28	DSF	1442U	0554U	N19	W53	10	24.6	3	16	0	0	E	SVTO		
29	DSF	0130	0144	S19	E38	11	1.0	1	09	0	0	E	LEAR	9209	Flare Associated
29	DSF	2347U	1351U	S18	E45	11	2.4	3	07	0	0	E	HOLL		
30	BSL	1418	1520	S31	E90	11	6.7			9	9	E	SVTO		
30	DSF	1458U	0618U	N37	E29	11	2.0	2	11	0	0	E	SVTO		

IMP 8 SOLAR WIND PLASMA
OCTOBER 2000

MIT/CSR IMP 8 PLASMA PARAMETERS



OCT 2000

OCT 2000

IMP 8

MIT

ONE-HOUR AVERAGES