

SEPTEMBER 2001 NUMBER 685 - Part II

Solar-Geophysical Data comprehensive reports



Data for March 2001 and Miscellaneous

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NATIONAL ENVIRONMENTAL SATELLITE,
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Number 685

(Issued in Two Parts)

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MARCH 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	RAMY	01	1817	1819	1830	S09	W27	9364	02	27.8	13	SF	3	E		51		FH
			01 1840		1913	No Flare Patrol												
			01 1930		2103	No Flare Patrol												
			01 2123		2304	No Flare Patrol												
			02 1020		1100	No Flare Patrol												
			02 1939		2138	No Flare Patrol												
			02 2154		2222	No Flare Patrol												
			02 2238		2253	No Flare Patrol												
0002	LEAR	03	0436	0438	0440	S26	E38	9366	03	6.1	4	SF	3	E		12		
0003	LEAR	03	0515	0515	0528	N16	W40	9369	02	28.2	13	SF	3	E		10		F
0004	LEAR	03	0542	0549	0551	N17	W41	9369	02	28.1	9	SF	3	E		18		F
0005	URUM	03	0957E	0957	1001	N15	W43	9369	02	28.1	40	SN		P		32	0.5	D
			03 1019		1110	No Flare Patrol												
0006	RAMY	03	1126	1129	1157	N17	W43	9369	02	28.2	31	SF	3	E		14		
0007	RAMY	03	1208	1208	1217	N17	W44	9369	02	28.2	9	SF	3	E		13		F
0008	RAMY	03	1306	1314	1319	N17	W45	9369	02	28.1	13	SF	3	E		22		
0009	HOLL	03	1434	1436	1439	N18	W43	9369	02	28.3	5	SF	3	E		14		
			03 2142		2257	No Flare Patrol												
			04 0622		0654	No Flare Patrol												
			04 1021		1031	No Flare Patrol												
0010	HOLL	04	1849	1849	1855	S26	E13	9366	03	5.8	6	SF	3	E		28		
0011	LEAR	05	0549E	0605U	0626	N17	W66	9369	02	28.2	370	SF	3	E		20		
			05 0806		0816	No Flare Patrol												
0012		05	0840I	08432	0850	S11	W74	9364	02	27.9	10	1N				82		D
	LEAR	05	0840	0843	0848	S11	W77	9364	02	27.7	8	SF	3	E		35		
	URUM	05	0841	0845	0853	S11	W72	9364	02	28.0	12	1N		C		129		D
			05 1100		1120	No Flare Patrol												
0013	RAMY	05	1443	1444	1449	S08	W91	9364	02	26.9	6	SF	3	E		32		F
0014	HOLL	05	1534	1535	1542	N16	W75	9369	02	28.0	8	SF	3	E		17		
0015	RAMY	05	1534	1538	1545	N18	W88	9369	02	27.0	11	SF	3	E		36		
			05 1632		1637	No Flare Patrol												
			05 1727		1807	No Flare Patrol												
			05 1927		1936	No Flare Patrol												
			05 2021		2347	No Flare Patrol												
			06 0126		0128	No Flare Patrol												
0016	URUM	06	0315E	0315	0320	N12	W37		03	3.3	50	SN		P		32	0.4	D
0017	LEAR	06	0726	0734	0738	N20	W56	9371	03	2.0	12	SF	3	E		15		F
0018	LEAR	06	0853	0854	0859	N20	W56	9371	03	2.1	6	SF	3	E		35		F
0019	LEAR	06	0912	0913	0916	N26	E02	9368	03	6.5	4	SF	3	E		15		F
0020	SVTO	06	1254	1256U	1306	N25	E02	9368	03	6.7	12	SF	3	E		32		
0021	HOLL	06	1712	1712	1717	N25	W01	9368	03	6.6	5	SF	3	E		10		
0022	HOLL	06	2142	2142	2146	N25	W03	9368	03	6.7	4	SF	3	E		25		F

6
Mar 01

H α SOLAR FLARES

MARCH 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
			09 1427		1532	No Flare Patrol												
0043	RAMY	09	1546	1547	1600	S35	W48	9372	03	5.8	14	SF	3	E		19		
0044	RAMY	09	1654	1655	1704	S34	W48	9372	03	5.9	10	SF	3	E		23		
0045	HOLL	09	2021	2026	2038	S36	W49	9372	03	5.9	17	SF	3	E		62		F
0046	HOLL	09	2114	2119	2124	S36	W50	9372	03	5.9	10	SF	3	E		15		
			09 2155		2205	No Flare Patrol												
			09 2235		2257	No Flare Patrol												
0047		09	2318	2324	2409	N24	W48	9368	03	6.3	51	1N				133		EFH
	LEAR	09	2318	2324	2412	N24	W49	9368	03	6.2	54	1N	3	E		174		FE
	HOLL	09	2330E	2330U	2406	N24	W48	9368	03	6.3	36D	SF	2	E		92		FH
0048	LEAR	09	2320	2321	2335	S36	W53	9372	03	5.7	15	SF	3	E		42		H
0049		10	00064	00102	0020	S36	W50	9372	03	6.0	14	SF				48	1.0	
	VORO	10	0006	0012	0019	S36	W48	9372	03	06.4	13	SF	3	C	0012	63	1.0	
	LEAR	10	0008	0010	0020	S36	W51	9372	03	5.9	12	SF	3	E		38		
	HOLL	10	0010	0012	0021	S36	W52	9372	03	5.8	11	SF	3	E		44		
0050	LEAR	10	0152	0153	0159	S36	W54	9372	03	5.7	7	SF	3	E		18		
0051	LEAR	10	0208	0211	0216	S36	W54	9372	03	5.7	8	SF	3	E		15		
0052	LEAR	10	0323	0324	0330	N27	W42	9368	03	6.9	7	SF	3	E		12		
0053	URUM	10	0334	0338	0346	S38	W53	9372	03	5.9	12	1N		C		161	3.0	E
0054		10	04012	0405	0416	N27	W42	9368	03	6.9	15	2B				284	5.6	H
	LEAR	10	0401	0405	0419	N27	W42	9368	03	6.9	18	1B	3	E		242		HH
	MITK	10	0403	0405	0412	N27	W42	9368	03	6.9	9	2N		C	0405	327	5.6	H
0055	LEAR	10	0407	0409	0413	S36	W55	9372	03	5.7	6	SF	3	E		16		
0056	URUM	10	0409E	0409	0421	N26	W24	9378	03	8.3	12D	SB		P		96	1.3	D
0057	LEAR	10	0609	0613	0615	S36	W56	9372	03	5.8	6	SF	3	E		19		
0058	LEAR	10	0636	0637	0640	S36	W56	9372	03	5.8	4	SF	3	E		15		
0059	LEAR	10	0650	0650	0658	S37	W55	9372	03	5.8	8	SF	3	E		12		F
0060		10	07068	07098	0723	S35	W56	9372	03	5.8	17	SF				20		F
	LEAR	10	0706	0709	0726	S37	W56	9372	03	5.8	20	SF	3	E		26		F
	SVTO	10	0714	0717	0720	S33	W57	9372	03	5.8	6	SF	2	E		15		F
0061	LEAR	10	0735	0736	0740	S37	W55	9372	03	5.9	5	SF	3	E		22		F
0062		10	09422	09441	0954	S36	W54	9372	03	6.1	12	SF				86	3.0	DFH
	LEAR	10	0942	0945	0957	S36	W56	9372	03	5.9	15	SF	2	E		70		F
	URUM	10	0944E	0944	0944D	S36	W53	9372	03	6.1	15D	1N		P		161	3.0	D
	SVTO	10	0944	0945	0952	S35	W54	9372	03	6.1	8	SF	3	E		28		FH
0063	HOLL	10	1508	1509	1511	S36	W62	9372	03	5.6	3	SF	3	E		28		
0064	HOLL	10	1600	1602	1609	S08	E67	9373	03	15.7	9	SF	3	E		19		F
0065		10	2032	2033	2039	N26	W60	9368	03	6.2	7	SF				16		
	HOLL	10	2032	2033	2039	N25	W60	9368	03	6.2	7	SF	3	E		15		
	RAMY	10	2032	2033	2039	N26	W60	9368	03	6.2	7	SF	3	E		16		
			10 2140		2156	No Flare Patrol												
0066	HOLL	10	2253	2259	2309	S10	E65	9373	03	15.8	16	SF	3	E		25		
			10 2328		2330	No Flare Patrol												

MARCH 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	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0067	URUM	11	0212E	0212	0216	S35	W63	9372	03	6.0	4D	1F			P		96	2.3	E
0068	LEAR	11	0540	0540	0548	S15	E85	9376	03	17.7	8	SF		3	E		25		
0069	URUM	11	0809	0813	0813D	N11	W44	9370	03	8.0	4D	1F			P		321	4.8	E
0070		11	0834	0837	0852	S14	E84	9376	03	17.7	18	SF					98		FH
	KANZ	11	0834	0837	0851	S15	E80	9376	03	17.4	17	SF		2	E				
	LEAR	11	0834	0837	0852	S14	E87	9376	03	17.9	18	SF		3	E		98		FH
0071		11	0908	0910	0933	N14	E56		03	15.6	25	SF					11		F
	LEAR	11	0908	0909U	0933	N14	E56		03	15.6	25	SF		2	E		11		F
	KANZ	11	0908	0910	0929D	N14	E55		03	15.5	21D	SF		2	E				
0072	SVTO	11	1541	1542	1544	N29	W62	9368	03	6.8	3	SF		3	E		18		
0073	RAMY	11	1650	1650	1653	N28	W67	9368	03	6.5	3	SF		3	E		27		
0074		12	0015	0017	0024	S08	E48	9373	03	15.6	9	SF					25		F
	HOLL	12	0015	0017	0024	S08	E48	9373	03	15.6	9	SF		3	E		20		F
	LEAR	12	0015	0017	0025	S08	E49	9373	03	15.7	10	SF		3	E		30		F
0075	LEAR	12	0223	0224	0229	S08	E48	9373	03	15.7	6	SF		4	E		30		F
0076	LEAR	12	0236	0236	0239	S12	E81	9376	03	18.2	3	SF		4	E		18		
		12	0401		0504	No Flare Patrol													
0077	LEAR	12	0644	0644	0648	S15	E71	9376	03	17.6	4	SF		3	E		19		F
0078	KANZ	12	0904	0906	0909	N09	W58	9370	03	8.0	5	SF		2	E				
0079	KANZ	12	0929	0930	0935	N14	E41		03	15.5	6	SF		2	E				
0080	KANZ	12	1048E	1048U	1056	N30	E43	9379	03	15.8	8D	SF		2	E				
0081	HOLL	12	1634	1636	1646	S14	E64	9376	03	17.5	12	SF		3	E		26		F
0082		12	1729	17353	1752	S15	E64	9376	03	17.6	23	SF					30		F
	RAMY	12	1729	1735	1751	S16	E63	9376	03	17.5	22	SF		3	E		24		F
	HOLL	12	1729	1738	1753	S14	E65	9376	03	17.6	24	SF		3	E		35		F
0083		12	18464	18542	1918	S19	E63	9376	03	17.6	32	SF					28		U
	RAMY	12	1846	1854	1919	S20	E62	9376	03	17.5	33	SF		3	E		25		U
	HOLL	12	1850	1856	1918	S18	E64	9376	03	17.6	28	SF		3	E		31		U
		13	0746		0844	No Flare Patrol													
0084		13	11325	11325	1140	S08	E30	9373	03	15.7	8	SF					14		H
	SVTO	13	1132	1132	1138	S08	E30	9373	03	15.7	6	SF		3	E		11		H
	RAMY	13	1137	1137	1141	S08	E30	9373	03	15.7	4	SF		3	E		16		H
		13	2235		2317	No Flare Patrol													
		14	0133		0205	No Flare Patrol													
0085	KANZ	14	0847	0854	0903	S10	E07		03	14.9	16	SF		2	E				
0086	KANZ	14	0902	0903	0919	S07	E19	9373	03	15.8	17	SF		2	E				
0087	RAMY	14	1603	1603	1610	S08	E12	9373	03	15.6	7	SF		3	E		11		F
		14	1831		2015	No Flare Patrol													
		14	2041		2109	No Flare Patrol													
		14	2128		2400	No Flare Patrol													
		15	0000		0010	No Flare Patrol													
0088	KANZ	15	0849	0849	0900	S10	W09	9373	03	14.7	11	SF		2	E				
0089	KANZ	15	1125	1126	1134	S10	W10	9373	03	14.7	9	SF		2	E				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area Measurement			Remarks		
								USAF					Region	Mo	Day		(Min)	Opt
0090	KANZ	15	1230	1232	1238	S09	W03	9373	03	15.3	8	SF	2	E				
0091	KANZ	15	1259	1259	1305	S08	W03	9373	03	15.3	6	SF	2	E				
0092	HOLL	15	1431	1434	1447	N10	W05	9384	03	15.2	16	SF	3	E		18	U	
0093	HOLL	15	1434	1438	1443	S08	W04	9373	03	15.3	9	SF	3	E		32		
0094	HOLL	15	1446	1447	1448	S09	W01	9373	03	15.5	2	SF	3	E		39		
0095		15	14513	14514	1457	S09	W02	9373	03	15.5	6	SF				18	FU	
	RAMY	15	1451	1451	1457	S09	W04	9373	03	15.3	6	SF	3	E		19	UF	
	HOLL	15	1454	1455	1457	S09	W01	9373	03	15.5	3	SF	3	E		16		
0096	RAMY	15	1711	1711	1714	S09	W06	9373	03	15.3	3	SF	3	E		10		
0097	RAMY	15	1934	1935	1942	S08	W07	9373	03	15.3	8	SF	3	E		17	F	
0098	HOLL	15	2117	2117	2125	S09	W10	9373	03	15.1	8	SF	3	E		17	FH	
0099	HOLL	15	2155	2155	2203	N11	W09	9384	03	15.2	8	SF	3	E		14	F	
0100	HOLL	15	2215	2217	2225	S09	W08	9373	03	15.3	10	SF	3	E		18	F	
0101	KANZ	16	0949	0953	1006	N09	W17	9384	03	15.1	17	SF	2	E				
0102		16	10354	10422	1102	S08	W13	9373	03	15.5	27	SN				70	F	
	KANZ	16	1035	1043	1107	S08	W16	9373	03	15.2	32	SN	2	E				
	SVTO	16	1036	1042	1059	S06	W15	9373	03	15.3	23	SN	3	E		72	F	
	KANZ	16	1039	1044	1059	S08	W08	9373	03	15.8	20	SF	2	E				
	RAMY	16	1048E	1051U	1058D	S09	W13	9373	03	15.5	10D	SF	3	E		67	F	
0103	KANZ	16	1421	1422	1439	N09	W19	9384	03	15.2	18	SF	2	E				
0104		16	1455*	1456*	1513	S08	W15	9373	03	15.5	18	SF				30	F	
	KANZ	16	1455	1456	1513	S08	W15	9373	03	15.5	18	SF	2	E				
	SVTO	16	1503E	1504U	1511D	S07	W14	9373	03	15.6	8D	SF	3	E		47	F	
	RAMY	16	1504	1508	1513	S07	W15	9373	03	15.5	9	SF	3	E		25	F	
	HOLL	16	1505	1509	1512	S08	W16	9373	03	15.4	7	SF	3	E		19	F	
0105		16	15492	15522	1610	N09	W20	9384	03	15.1	21	SF				31	EF	
	KANZ	16	1549	1553	1602D	N08	W22	9384	03	15.0	13D	SF	2	E				
	HOLL	16	1550	1554	1609	N09	W20	9384	03	15.1	19	SF	3	E		33	FE	
	RAMY	16	1551	1552	1611	N10	W19	9384	03	15.2	20	SF	3	E		29	F	
0106	RAMY	16	1924	1924	1929	S07	W20	9373	03	15.3	5	SF	3	E		17		
0107	RAMY	16	1950	1950	2003	S07	W18	9373	03	15.5	13	SF	3	E		10		
		16	2036		2313	No Flare Patrol												
0108	URUM	17	0347E	0347	0402	S08	W21	9373	03	15.6	15D	2F		P		482	5.3	E
0109	URUM	17	0437	0441	0452	S09	W19	9373	03	15.8	15	2F		C		563	6.1	E
0110	LEAR	17	0913	0914	0918	N10	W24	9384	03	15.6	5	SF	3	E		24		F
		17	1035		1101	No Flare Patrol												
0111	RAMY	17	1717	1719	1742	S08	W37	9373	03	14.9	25	SF	3	E		60		FU
0112	HOLL	17	1725E	1727U	1736D	S08	W30	9373	03	15.5	11D	SF	3	E		11		
		17	2058		2229	No Flare Patrol												
		17	2254		2335	No Flare Patrol												
0113	URUM	18	0352	0356	0408	S09	W39	9373	03	15.2	16	2F		C		418	5.5	E
0114	LEAR	18	0520	0522	0542	S04	W28	9373	03	16.1	22	SF	4	E		68		FH

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0115		18	0742	07444	0800	S10	W41	9373	03	15.2	18	SF				56		F
	KANZ	18	0742	0744	0800	S10	W41	9373	03	15.2	18	SF	2	E				
	LEAR	18	0742	0748	0800	S09	W41	9373	03	15.2	18	SF	2	E		56		F
0116		18	08473	08511	0857	S05	W27	9373	03	16.3	10	SF				28		F
	LEAR	18	0847	0851	0858	S04	W28	9373	03	16.3	11	SF	2	E		38		F
	KANZ	18	0847	0852	0857	S05	W27	9373	03	16.3	10	SF	2	E				
	SVTO	18	0850	0851	0855	S05	W27	9373	03	16.3	5	SF	3	E		17		F
0117		18	1104	1106	1131	S09	W44	9373	03	15.1	27	SF				70		F
	KANZ	18	1104	1106	1125	S10	W44	9373	03	15.1	21	SF	2	E				
	RAMY	18	1104E	1106U	1137	S08	W44	9373	03	15.2	330	SF	3	E		70		F
0118	RAMY	18	1244	1246	1249	S05	W32	9373	03	16.1	5	SF	3	E		12		F
0119	KANZ	18	1308	1308	1314	N09	W44	9384	03	15.2	6	SF	2	E				
0120	RAMY	18	1345	1347	1349	S03	W31	9373	03	16.2	4	SF	3	E		22		F
0121	RAMY	18	1355	1355	1359	S03	W34	9373	03	16.0	4	SF	3	E		15		F
0122	HOLL	18	1411	1415	1421	S05	W31	9373	03	16.3	10	SF	3	E		28		F
0123	HOLL	18	1423	1428	1432	S05	W33	9373	03	16.1	9	SF	3	E		14		
0124	RAMY	18	1413	1415	1416	S04	W31	9373	03	16.3	3	SF	3	E		25		FH
		18	17027	17095	1732	S06	W36	9373	03	16.0	30	SF				12		F
	RAMY	18	1702	1709	1733	S05	W35	9373	03	16.1	31	SF	3	E		11		
	HOLL	18	1709	1714	1730	S06	W36	9373	03	16.0	21	SF	3	E		14		F
0126		18	1730	17313	1751	N10	W48	9384	03	15.1	21	SF				52		FH
	RAMY	18	1730	1731	1800	N10	W47	9384	03	15.2	30	SF	3	E		69		FH
	HOLL	18	1730	1734	1742	N09	W48	9384	03	15.1	12	SF	3	E		34		F
0127	LEAR	19	0833	0834	0838	S03	W44	9373	03	16.1	5	SF	2	E		13		F
0128	LEAR	19	0916	0917	0925	N17	W51	9384	03	15.5	9	SF	3	E		17		
0129	KANZ	19	1352	1353	1358	S05	W42	9373A	03	16.4	6	SF	2	E				
0130	HOLL	19	1842	1843	1853	S04	W47	9373	03	16.3	11	SF	3	E		33		F
0131	HOLL	19	2323	2326	2329	S04	W49	9373	03	16.3	6	SF	3	E		10		
0132	LEAR	20	0215	0218	0245	S05	W54	9373	03	16.0	30	SF	4	E		39		F
		20	0216		0217	No Flare Patrol												
0133		20	0232	0240	0255	S16	W36	9376	03	17.4	23	1N				254	6.1	EF
	LEAR	20	0232	0240	0254	S16	W36	9376	03	17.4	22	SF	4	E		26		F
	URUM	20	0244E	0244U	0256	S16	W36	9376	03	17.4	120	2N		P		482	6.1	E
0134	LEAR	20	0322	0329	0337	N07	W70	9384	03	14.9	15	SF	3	E		89		
0135	LEAR	20	0656	0658	0704	S05	W57	9373	03	16.0	8	SF	3	E		23		
0136	LEAR	20	0707	0708	0722	S05	W58	9373	03	15.9	15	SF	3	E		35		F
0137	LEAR	20	0750E	0759	0803	S05	W58	9373	03	16.0	130	SF	3	E		28		F
0138	HOLL	20	1358	1424	1443	S04	W61	9373	03	16.0	45	SF	3	E		28		EF
		20	14221	1426	1445	N13	E77	9390	03	26.4	23	SF				52		F
	HOLL	20	1422	1426	1445	N14	E76	9390	03	26.3	23	SF	3	E		81		
	RAMY	20	1423	1423U	1457D	N12	E78	9390	03	26.5	340	SF	3	E		24		F
0140		20	1500	1513	1536	S05	W60	9373	03	16.1	36	1F				116		FH
	RAMY	20	1500	1505U	1505D	S05	W59	9373	03	16.2	50	1F	3	E		107		
	HOLL	20	1500	1513	1536	S05	W61	9373	03	16.1	36	1F	3	E		126		FH

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0141	HOLL	20	1505	1536	1603	N12	E72	9390	03	26.0	58	SF	3	E		75		
		20	1621		2251	No Flare Patrol												
0142	VORO	21	0036	0039	0041	S03	W62	9373	03	16.4	5	SF	3	C	0039	81	1.8	
0143	VORO	21	0108	0110	0129D	S02	W62	9373	03	16.4	21D	SF	3	C	0110	116	2.8	
0144		21	02307	02363	0252	S06	W64	9373	03	16.3	22	1B				112	3.6	HY
	MITK	21	0230	0236	0246	S07	W64	9373	03	16.3	16	1B		C	0236	153	3.6	HY
	LEAR	21	0237	0239	0257	S05	W65	9373	03	16.2	20	SN	5	E		71		H
0145	LEAR	21	0721	0721	0726	S14	E77	9389	03	27.1	5	SF	4	E		26		
0146	LEAR	21	0841	0912	0930	N15	E65	9390	03	26.3	49	SF	3	E		70		F
0147	SVTO	21	0846E	0847U	0849	N15	E71	9390	03	26.7	3D	SF	3	E		30		
0148	SVTO	21	1125	1126	1134	S05	W70	9373	03	16.2	9	SF	3	E		76		
		21	1150		1156	No Flare Patrol												
		21	1211		1219	No Flare Patrol												
		21	1249		1309	No Flare Patrol												
		21	1325		1343	No Flare Patrol												
		21	1404		1447	No Flare Patrol												
		21	1507		1538	No Flare Patrol												
		21	1543		2339	No Flare Patrol												
		22	0801		1008	No Flare Patrol												
0149	SVTO	22	1045	1046	1048	N13	E52	9390	03	26.4	3	SF	3	E		22		
0150	SVTO	22	1055	1056U	1059	N13	E54	9390	03	26.5	4	SF	3	E		16		H
		22	1257		1353	No Flare Patrol												
0151	SVTO	22	1316E	1317U	1351D	N13	E49	9390	03	26.2	35D	SF	2	E		89		FH
		22	1556		1937	No Flare Patrol												
		22	2057		2311	No Flare Patrol												
0152		23	0147	0147	0150	N08	E22	9387	03	24.7	3	SN				22	0.4	DF
	URUM	23	0147E	0147	0147D	N08	E22	9387	03	24.7	3D	SN		P		32	0.4	D
	LEAR	23	0147	0147	0150	N07	E21	9387	03	24.6	3	SF	3	E		12		F
0153	LEAR	23	0301	0302	0306	S11	W73	9376	03	17.6	5	SF	3	E		29		
0154	LEAR	23	0350	0358	0415	N17	E43	9390	03	26.4	25	SF	4	E		87		F
0155	LEAR	23	0457	0458	0503	S11	W74	9376	03	17.6	6	SF	3	E		25		
0156		23	05401	0544	0548	S12	E56	9389	03	27.4	8	SF				50		H
	LEAR	23	0540	0544	0550	S11	E56	9389	03	27.4	10	SF	3	E		69		H
	SVTO	23	0541	0544	0547	S13	E56	9389	03	27.5	6	SF	3	E		32		H
0157	KANZ	23	1031	1034U	1035	N16	E41	9390	03	26.5	4	SF	1	E				
0158	HOLL	23	1425	1431	1441	S12	E78	9395	03	29.5	16	SF	3	E		40		
0159	HOLL	23	1450	1455	1503	S12	E78	9395	03	29.5	13	SF	3	E		25		
0160	HOLL	23	1523	1523	1538	S12	E79	9395	03	29.6	15	SF	3	E		31		
0161	HOLL	23	1717	1720	1728	N14	E27	9390	03	25.8	11	SF	3	E		13		F
0162		23	2035	20373	2049	S12	E75	9395	03	29.5	14	SF				38		
	RAMY	23	2035	2037	2048	S13	E76	9395	03	29.6	13	SF	3	E		29		
	HOLL	23	2035	2040	2050	S12	E74	9395	03	29.4	15	SF	3	E		46		

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0163		23	20401	20441	2059	N13	E32	9390	03	26.3	19	SF					72			F
	HOLL	23	2040	2044	2059	N13	E32	9390	03	26.3	19	SF	3	E			78			F
	RAMY	23	2041	2045	2059	N13	E33	9390	03	26.3	18	SF	3	E			65			F
0164	LEAR	24	0100	0100	0103	N16	E65	9393	03	29.0	3	SF	3	E			21			H
0165	LEAR	24	0136	0137	0144	S14	W82	9376	03	17.9	8	SF	3	E			49			
0166	LEAR	24	0723	0724	0750	S11	E39	9389	03	27.2	27	SF	3	E			14			F
0167	LEAR	24	0737	0739	0751	N20	E61	9393	03	29.0	14	SF	3	E			10			H
0168		24	07413	07451	0812	N14	E26	9390	03	26.3	31	SF					29			F
	LEAR	24	0741	0746	0812	N14	E25	9390	03	26.2	31	SF	4	E			29			F
	KANZ	24	0744	0745	0811	N15	E26	9390	03	26.3	27	SF	2	E						
0169		24	0811	08141	0835	S12	E37	9389	03	27.1	24	SF					60			EF
	LEAR	24	0811	0814	0834	S11	E37	9389	03	27.1	23	SF	4	E			59			FE
	SVTO	24	0811	0814	0837	S14	E36	9389	03	27.1	26	SF	3	E			60			FE
	KANZ	24	0811	0815	0835	S11	E37	9389	03	27.1	24	SF	2	E						
0170	URUM	24	0825E	0825	0836	S11	E38	9389	03	27.2	110	SB			C		32	0.4		D
0171	URUM	24	0836	0843	0851	N15	E25	9390	03	26.2	15	SB			C		161	2.0		E
0172		24	08437	08501	0856	N13	E23	9390	03	26.1	13	SF					218	5.1		EF
	URUM	24	0843	0851	0859	N14	E24	9390	03	26.2	16	1N			C		418	5.1		E
	KANZ	24	0848	0850	0854	N13	E22	9390	03	26.0	6	SF	2	E						
	LEAR	24	0850	0850	0854	N13	E22	9390	03	26.0	4	SF	4	E			19			F
0173		24	09021	09043	0920	N20	E67	9393	03	29.5	18	SF					73			F
	LEAR	24	0902	0907	0923	N20	E65	9393	03	29.3	21	SF	4	E			73			F
	KANZ	24	0903	0904	0916	N20	E69	9393	03	29.6	13	SF	2	E						
0174		24	09334	09362	0948	S13	E36	9389	03	27.1	15	SF					102	2.5		EF
	URUM	24	0933	0937	0945	S12	E37	9389	03	27.2	12	1N			C		193	2.5		E
	SVTO	24	0936	0936	0952	S14	E36	9389	03	27.1	16	SF	3	E			12			F
	KANZ	24	0937	0938	0946	S13	E36	9389	03	27.1	9	SF	2	E						
0175	URUM	24	0957E	0957	0957D	N18	E60	9393	03	29.0	90	1F			P		96	2.3		D
0176	HOLL	24	1412	1414	1418	N16	E60	9393	03	29.1	6	SF	3	E			55			
0177		24	14202	14231	1449	N16	E59	9393	03	29.1	29	SF					36			F
	HOLL	24	1420	1424	1500	N16	E59	9393	03	29.1	40	SF	3	E			49			F
	RAMY	24	1422	1423	1438	N16	E59	9393	03	29.1	16	SF	3	E			22			
0178	SVTO	24	1421	1432	1448D	N14	E57	9393	03	28.9	27D	SF	3	E			33			F
0179	RAMY	24	1441	1442	1451	N15	E58	9393	03	29.0	10	SF	3	E			15			F
0180	HOLL	24	1525	1526	1531	N16	E58	9393	03	29.0	6	SF	3	E			30			F
0181	HOLL	24	1640	1645	1649	N16	E58	9393	03	29.1	9	SF	3	E			26			F
0182	HOLL	24	1710	1711	1721	N16	E58	9393	03	29.1	11	SF	3	E			16			
0183	HOLL	24	1728	1730	1744	N20	E68	9401	03	29.9	16	SF	3	E			41			
0184		24	18531	18561	1901	S11	E76	9397	03	30.5	8	SF					26			
	HOLL	24	1853	1857	1901	S10	E76	9397	03	30.5	8	SF	3	E			24			
	RAMY	24	1854	1856	1901	S12	E76	9397	03	30.5	7	SF	3	E			28			
0185	HOLL	24	1937	1952	2147	N15	E22	9390	03	26.5	130	2N	3	E			307			FU
0186	HOLL	24	2032	2032	2036	S11	E75	9397	03	30.5	4	SF	3	E			13			
0187	HOLL	24	2040	2047	2050	S11	E75	9397	03	30.5	10	SF	3	E			31			

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H α SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0188	HOLL	24	2042	2046	2058	N19	E58	9393	03	29.3	16	SF	3	E		14			
0189	HOLL	24	2103	2105	2108	S11	E74	9397	03	30.4	5	SF	3	E		26			
0190	HOLL	24	2205	2206	2209	S10	E73	9397	03	30.4	4	SF	3	E		21			
0191	HOLL	24	2258	2258	2302	S11	E75	9397	03	30.6	4	SF	3	E		30			
0192	HOLL	24	2245	2245	2250	N20	E66	9401	03	30.0	5	SF	3	E		17			
0193	HOLL	24	2255	2256	2259	N20	E66	9401	03	30.0	4	SF	3	E		35			
0194		24	23006	23141	2340	N20	E62	9401	03	29.7	40	1F				94			F
	HOLL	24	2300	2315	2341	N19	E60	9401	03	29.5	41	1F	3	E		128			F
	LEAR	24	2306	2314	2339	N22	E65	9401	03	29.9	33	SF	3	E		59			F
0195	HOLL	24	2322	2328	2347	N19	E57	9401	03	29.3	25	SF	3	E		47			F
0196		24	23122	23182	2324	S10	E74	9397	03	30.5	12	SF				50			
	HOLL	24	2312	2320	2326	S11	E73	9397	03	30.4	14	SF	3	E		72			
	LEAR	24	2314	2318	2322	S10	E75	9397	03	30.6	8	SF	3	E		28			
0197	LEAR	24	2353	2354	2415	N23	E61	9401	03	29.7	22	SF	4	E		36			F
0198	LEAR	25	0134	0136	0150	S09	E72	9397	03	30.5	16	SF	4	E		23			
0199	LEAR	25	0202	0202	0210	S10	E73	9397	03	30.6	8	SF	4	E		20			
0200	LEAR	25	0246	0254	0301	N14	E18	9390	03	26.5	15	SF	4	E		40			FU
0201	URUM	25	0340	0344	0348	N16	E51	9393	03	29.0	8	1F		C		129	2.4		E
0202		25	0415*	0424*	0454	N16	E51	9393	03	29.0	39	2N				286	5.8		EF
	LEAR	25	0415	0424	0457	N17	E51	9393	03	29.0	42	2N	4	E		250			FE
	URUM	25	0430	0434	0450	N16	E51	9393	03	29.0	20	2N		C		321	5.8		E
0203	LEAR	25	0533	0534	0545	N15	E14	9390	03	26.3	12	SF	4	E		16			
0204	LEAR	25	0657	0700	0717	N20	E48	9393	03	29.0	20	SF	4	E		22			
0205	LEAR	25	0745	0745	0755	N15	E13	9390	03	26.3	10	SF	4	E		12			
0206	LEAR	25	0855	0901	0905	N22	E59	9401	03	29.9	10	SF	3	E		16			F
0207	LEAR	25	0926	0933	1001	N23	E59	9401	03	29.9	35	SF	3	E		36			H
0208	SVTO	25	1037E	1115U	1134	N21	E59	9401	03	30.0	57D	1N	2	E		180			F
0209		25	14371	14415	1510	N14	E09	9390	03	26.3	33	SF				44			F
	HOLL	25	1437	1441	1509	N14	E10	9390	03	26.4	32	SF	3	E		45			F
	RAMY	25	1438	1446	1512	N14	E08	9390	03	26.2	34	SF	3	E		42			F
0210		25	1546	15502	1605	N12	E06	9390	03	26.1	19	SF				14			F
	RAMY	25	1546	1550	1607	N13	E08	9390	03	26.3	21	SF	3	E		13			F
	HOLL	25	1546	1552	1603	N10	E04	9390	03	25.9	17	SF	3	E		14			F
0211		25	1626	16326	1740	N16	E23	9402	03	27.4	74	1F				142			FU
	HOLL	25	1626	1632	1742	N16	E25	9402	03	27.6	76	1F	3	E		132			UF
	RAMY	25	1626	1638	1739	N17	E21	9402	03	27.3	73	1F	3	E		152			F
0212	HOLL	25	2012	2016	2025	N19	E57	9401	03	30.2	13	SF	3	E		53			EF
0213	HOLL	25	2050	2052	2106	N15	E07	9390	03	26.4	16	SF	3	E		30			E
		25	2139		2145	No Flare Patrol													
0214	HOLL	25	2225	2230	2239	N16	E39	9393	03	28.9	14	SF	3	E		26			
0215	LEAR	26	0045	0052	0116	N20	E39	9393	03	29.0	31	SF	3	E		44			F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement			Remarks		
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)			
		26	2143		2151	No Flare Patrol															
		26	2200		2304	No Flare Patrol															
0242	LEAR	27	0047	0049	0120	N16	W11	9390	03	26.2	33	SF		3	E		29			F	
0243	LEAR	27	0225	0227	0402	N14	E17	9393	03	28.4	97	SF		3	E		56			FH	
0244	URUM	27	0225	0244	0323	N18	E23	9393	03	28.8	58	2N				C	755	9.4		E	
0245	URUM	27	0311	0327	0346	S06	W34	9396	03	24.6	35	2B				C	563	7.0		E	
0246	URUM	27	0346E	0346	0346D	N14	E18	9393	03	28.5	35D	SN				P	161	1.9		E	
0247	LEAR	27	0357	0358	0402	S12	E57	9403	03	31.4	5	SF		3	E		10				
0248	LEAR	27	0357	0410	0443	S07	W34	9396	03	24.6	46	SF		3	E		28				
0249	LEAR	27	0402	0403	0412	N19	E20	9393	03	28.7	10	SF		3	E		52			F	
0250		27	0413	04131	0420	N20	E34	9401	03	29.8	7	1N					114	2.7		EF	
	LEAR	27	0413	0413	0422	N20	E34	9401	03	29.8	9	SF		3	E		35			F	
	URUM	27	0414E	0414	0418	N19	E35	9401	03	29.8	4D	1B				P	193	2.7		E	
0251		27	0446	04521	0508	S06	W35	9396	03	24.6	22	1N					267	6.0		EF	
	LEAR	27	0446	0452	0515	S07	W36	9396	03	24.5	29	SF		3	E		52			F	
	URUM	27	0446	0453	0501	S06	W34	9396	03	24.6	15	2N				C	482	6.0		E	
0252	LEAR	27	0529	0533	0546	S07	W36	9396	03	24.5	17	SF		3	E		27			F	
0253	LEAR	27	0611	0615	0625	N20	E34	9401	03	29.8	14	SF		3	E		29				
0254	LEAR	27	0656	0700	0704	N21	E36	9401	03	30.0	8	SF		3	E		20				
0255		27	07551	07577	0844	N16	E01	9402	03	27.4	49	2N					672	14.4		EFH	
	LEAR	27	0755	0757	0849	N16	E04	9402	03	27.6	54	SF		3	E		59			FH	
	URUM	27	0756	0804	0840	N16	W02	9402	03	27.2	44	3N				C	1286	14.4		E	
0256	LEAR	27	0805	0807	0814	N15	E14	9393	03	28.4	9	SF		3	E		19			F	
0257	LEAR	27	0805	0811	0817	N18	W12	9390	03	26.4	12	SF		3	E		21			F	
0258	LEAR	27	0925	0927	0945	S11	W11	9389	03	26.6	20	SF		3	E		14			F	
		27	1058		1118	No Flare Patrol															
0259	RAMY	27	1122	1123	1135	N14	E13	9393	03	28.4	13	SF		3	E		39			F	
0260	RAMY	27	1153	1205	1217	N19	E32	9401	03	29.9	24	SF		3	E		20			FH	
0261	RAMY	27	1217	1219	1233	N14	E13	9393	03	28.5	16	SF		3	E		43			F	
0262	RAMY	27	1219	1222	1244	N19	E30	9401	03	29.8	25	SF		3	E		53			F	
0263		27	14231	14264	1438	N21	E33	9401	03	30.1	15	SF					13			F	
	RAMY	27	1423	1429	1443	N21	E33	9401	03	30.1	20	SF		3	E		15			F	
	SVTO	27	1424	1426	1429	N22	E33	9401	03	30.1	5	SF		3	E		11			F	
	HOLL	27	1424	1430	1442	N20	E34	9401	03	30.2	18	SF		3	E		13			F	
0264		27	14481	14492	1540	N15	E14	9393	03	28.7	52	SF					26			FZ	
	HOLL	27	1448	1449	1538	N15	E14	9393	03	28.7	50	SF		3	E		28			ZF	
	RAMY	27	1449	1451	1541	N15	E13	9393	03	28.6	52	SF		3	E		25			F	
0265	HOLL	27	1453	1454	1458	S08	E37	9397	03	30.4	5	SF		3	E		12				
0266	HOLL	27	1507	1509	1516	N20	E32	9401	03	30.1	9	SF		3	E		50				
0267		27	15393	15441	1553	N14	E12	9393	03	28.5	14	SF					16			F	
	HOLL	27	1539	1544	1549	N14	E12	9393	03	28.5	10	SF		3	E		12				
	RAMY	27	1542	1545	1557	N13	E12	9393	03	28.5	15	SF		3	E		20			F	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0268	RAMY	27	1622	1623	1627	N22	E34	9401	03	30.3	5	SF	3	E		14		FH
0269		27	1623	1631	1638	N22	E34	9401	03	30.3	15	1B				132		FH
	HOLL	27	1623	1631	1638	N21	E33	9401	03	30.2	15	1N	3	E		119		
	RAMY	27	1627	1631	1638	N24	E36	9401	03	30.5	11	1B	3	E		144		FH
0270		27	1649	1649	1654	N21	E33	9401	03	30.2	5	SF				20		F
	RAMY	27	1649	1649	1653	N21	E33	9401	03	30.2	4	SF	3	E		13		F
	HOLL	27	1649	1652	1655	N21	E33	9401	03	30.2	6	SF	3	E		26		
0271	HOLL	27	1600	1607	1739	S11	E55	9403	03	31.8	99	SF	3	E		60		
0272	HOLL	27	1744	1746	1751	S10	E56	9403	03	31.9	7	SF	3	E		14		
0273		27	1828	1828	1836	N14	E10	9393	03	28.5	8	SF				20		F
	HOLL	27	1828	1828	1836	N14	E09	9393	03	28.4	8	SF	3	E		18		
	RAMY	27	1828	1829	1835	N14	E11	9393	03	28.6	7	SF	3	E		21		F
0274	HOLL	27	1850	1850	1900	S10	E54	9403	03	31.8	10	SF	3	E		11		
0275	HOLL	27	1901	1903	1908	S08	E35	9397	03	30.4	7	SF	3	E		17		FH
0276	HOLL	27	1912	1913	1923	N16	W18	9390	03	26.4	11	SF	3	E		45		FH
0277	HOLL	27	2017	2019	2025	S08	E35	9397	03	30.5	8	SF	3	E		20		F
0278	HOLL	27	2025	2029	2046	N14	E08	9393	03	28.4	21	SF	3	E		33		F
0279	HOLL	27	2112	2114	2124	S09	E52	9403	03	31.8	12	SF	3	E		43		FH
0280	HOLL	27	2129	2133	2135	S10	E54	9403	03	31.9	6	SF	3	E		21		F
0281	HOLL	27	2127	2137	2150	N13	E10	9393	03	28.6	23	SF	3	E		15		F
		27	2152		2254	No Flare Patrol												
0282	LEAR	28	0048	0050	0056	S08	E50	9403	03	31.8	8	SF	3	E		83		
0283	LEAR	28	0127	0129	0137	N20	E22	9401	03	29.7	10	SF	3	E		17		
0284	LEAR	28	0156	0157	0237	N14	E05	9393	03	28.4	41	SF	3	E		63		FH
0285	LEAR	28	0358	0358	0405	S09	E50	9408	03	31.9	7	SF	3	E		20		
0286	LEAR	28	0429	0429	0440	S09	E49	9408	03	31.9	11	SF	3	E		38		F
0287	LEAR	28	0554	0555	0601	S07	E28	9397	03	30.3	7	SF	4	E		14		F
0288		28	0624	0637*	0710	N18	E09	9393	03	28.9	46	SN				132	3.7	EF
	URUM	28	0624	0637	0712	N18	E10	9393	03	29.0	48	1B		C		321	3.7	E
	SVTO	28	0632	0639	0712	N19	E10	9393	03	29.0	40	SF	3	E		43		F
	KANZ	28	0632	0640	0658	N17	E07	9393	03	28.8	26	SF	2	E				
	LEAR	28	0632	0658	0720	N18	E10	9393	03	29.0	48	SF	4	E		33		F
0289		28	0730	0730	0738	N15	E01	9393	03	28.4	8	SN				72	1.4	D
	LEAR	28	0730	0730	0739	N15	E01	9393	03	28.4	9	SF	4	E		16		
	KANZ	28	0731	0731	0737	N15	E01	9393	03	28.4	6	SF	2	E				
	URUM	28	0731	0735	0735D	N14	E02	9393	03	28.5	4D	SB		P		129	1.4	D
0290	KANZ	28	0824	0824	0827	N25	E27	9401	03	30.4	3	SF	2	E				
0291		28	0849	0849	0855	S08	E46	9408	03	31.8	6	SF				14		
	KANZ	28	0849	0849	0855	S08	E45	9408	03	31.7	6	SF	2	E				
	LEAR	28	0849	0852	0855	S08	E46	9408	03	31.8	6	SF	4	E		14		
	SVTO	28	0850	0850	0855	S08	E46	9408	03	31.8	5	SF	3	E		15		
0292		28	0900	0909	0934	N17	E03	9393	03	28.6	34	2N				1024	22.8	EF
	LEAR	28	0900	0909	0927	N16	E04	9393	03	28.7	27	SF	4	E		40		F
	URUM	28	0901	0917	0941	N18	E02	9393	03	28.5	40	3N		C		2009	22.8	E

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
														Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0293		28 09036	09111	0943	N16	W08	9402	03 27.8	40	1F					130		F
	KANZ	28 0903	0912	0950	N14	W07	9402	03 27.8	47	1F		2	E				
	LEAR	28 0904	0911	0953	N17	W10	9402	03 27.6	49	1F		4	E		201		F
	SVTO	28 0909	0912	0926	N16	W08	9402	03 27.8	17	SF		3	E		60		F
0294	LEAR	28 0916	0917	0928	N19	E19	9401	03 29.8	12	SF		4	E		41		FU
0295		28 0945	09463	0958	N17	E06	9393	03 28.9	13	SN					153	4.0	EF
	KANZ	28 0945	0946	0959	N17	E05	9393	03 28.8	14	SN		2	E				
	SVTO	28 0945	0947	0954	N18	E06	9393	03 28.9	9	SF		3	E		24		F
	LEAR	28 0945	0947	1000	N17	E05	9393	03 28.8	15	SN		4	E		81		FE
	URUM	28 0945	0949	1001	N17	E06	9393	03 28.9	16	1B			C		354	4.0	E
0296		28 1046	10471	1131D	S08	E25	9397	03 30.3	45D	SN					69		F
	SVTO	28 1046	1047	1131D	S07	E25	9397	03 30.3	45D	SN		3	E		69		F
	KANZ	28 1046	1048	1122D	S08	E25	9397	03 30.3	36D	SN		2	E				
0297		28 1122*	1150	1201	N14	W02	9393	03 28.3	39	SN					12		
	KANZ	28 1122	1142U	1253D	N15	E01	9393	03 28.5	91D	SN		2	E				
	SVTO	28 1149	1150	1201	N14	W04	9393	03 28.2	12	SF		3	E		12		
0298	SVTO	28 1121	1214	1306	N18	E02	9393	03 28.6	105	SF		3	E		80		FH
0299	RAMY	28 1133E	1240	1402	N19	E02	9393	03 28.6	149D	1N		3	E		198		F
0300	SVTO	28 1307	1311	1318	N20	E02	9393	03 28.7	11	SF		3	E		16		
0301	HOLL	28 1341E	1341	1353	N17	E07	9393	03 29.1	12D	1F		3	E		100		F
0302	HOLL	28 1834	1834	1847D	N18	E15	9401	03 29.9	13D	SF		3	E		30		
		28 1838		1845	No Flare Patrol												
0303	RAMY	28 1901	1907	1959	N14	W05	9393	03 28.4	58	1F		3	E		171		F
		28 1909		1916	No Flare Patrol												
0304	RAMY	28 1934	1947	2002	N19	E16	9401	03 30.0	28	SF		3	E		90		
		28 2003		2253	No Flare Patrol												
0305	RAMY	28 2028	2029	2042	S10	E37	9408	03 31.6	14	SF		3	E		37		F
0306	LEAR	28 2254E	2255U	2312	N17	W01	9393	03 28.9	18D	1N		2	E		139		F
0307		28 2303*	23283	2358	N15	W07	9393	03 28.4	55	1N					141	2.4	EF
	HOLL	28 2303	2331	2430	N14	W08	9393	03 28.3	87	1F		3	E		146		F
	LEAR	28 2326	2328	2342	N15	W07	9393	03 28.4	16	SN		3	E		61		FE
	VORO	28 2327	2330	2341	N16	W06	9393	03 28.5	14	1N		2	C	2330	215	2.4	
0308	VORO	28 2347	0003	0032	N14	W14	9402	03 27.9	45	1N		2	C	0003	269	3.1	
0309	LEAR	28 2351	2402	2415	N14	W17	9402	03 27.7	24	SF		4	E		60		FH
0310	VORO	29 0040	0041	0058	N15	W19	9402	03 27.6	18	SF		2	C	0041	108	1.2	
0311	LEAR	29 0159E	0201U	0204	N23	E12	9401	03 30.0	5D	SF		3	E		15		U
0312	URUM	29 0229	0233	0237	N20	E02	9393	03 29.2	8	1F			C		257	3.0	E
0313		29 02453	02551	0342	N16	W04	9393	03 28.8	57	1B					272	4.5	EF
	LEAR	29 0245	0255	0342	N17	W04	9393	03 28.8	57	1N		3	E		142		FE
	URUM	29 0248	0256	0308D	N16	W03	9393	03 28.9	20D	1B			P		402	4.5	E
0314	LEAR	29 0304	0305	0312	S07	E15	9397	03 30.2	8	SF		3	E		44		
0315		29 0509	05091	0514	N12	W30	9400	03 26.9	5	1N					129	3.0	E
	LEAR	29 0509	0509	0513	N12	W30	9400	03 26.9	4	SF		3	E		17		
	URUM	29 0510E	0510	0514	N12	W29	9400	03 27.0	4D	1N			P		241	3.0	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0316		29	0510	05104	0526	N16	W09	9393	03	28.5	16	1F				219	4.7	EF	
	LEAR	29	0510	0510	0521	N16	W09	9393	03	28.5	11	SF	3	E		20		F	
	URUM	29	0510	0514	0530	N16	W09	9393	03	28.5	20	1F		C		418	4.7	E	
0317	URUM	29	0700	0728	0812	N14	W09	9393	03	28.6	72	1N		C		386	4.3	E	
0318	URUM	29	0831	0835	0839	N15	W11	9393	03	28.5	8	2N		C		675	7.6	E	
0319	LEAR	29	0946	0946	0950	N21	E09	9401	03	30.1	4	SF	3	E		24			
0320		29	09557	10055	1108	N16	W12	9393	03	28.5	73	2N				594	15.1	EFZ	
	LEAR	29	0955	1005	1017D	N16	W12	9393	03	28.5	22D	1N	3	E		232		ZF	
	SVTO	29	0959	1010U	1109	N18	W10	9393	03	28.6	70	1N	3	E		216		F	
	URUM	29	1002	1010	1108	N14	W13	9393	03	28.4	66	3B		P		1334	15.1	E	
0321	RAMY	29	1047E	1047U	1125	N14	W12	9393	03	28.5	38D	1F	2	E		103		F	
0322		29	11311	11324	1154	N15	W12	9393	03	28.6	23	SN				112	1.8	EF	
	RAMY	29	1131	1132	1154	N15	W12	9393	03	28.6	23	SF	3	E		64		F	
	URUM	29	1132	1136	1136D	N15	W12	9393	03	28.6	4D	SN		P		161	1.8	E	
0323	RAMY	29	1206	1206	1212	N20	E07	9401	03	30.0	6	SF	3	E		13			
0324	RAMY	29	1237	1239	1251	N16	W13	9393	03	28.5	14	SF	3	E		19		F	
0325	RAMY	29	1300	1306	1321	N16	W11	9393	03	28.7	21	SF	3	E		17		F	
0326	RAMY	29	1331	1332	1345	N17	W12	9393	03	28.6	14	SF	3	E		23		F	
0327		29	1412	1457I	1512	N16	W14	9393	03	28.5	60	SF				50		FU	
	HOLL	29	1400E	1458	1513	N16	W13	9393	03	28.6	73D	SF	3	E		61		UF	
	RAMY	29	1412	1457	1512	N16	W14	9393	03	28.5	60	SF	3	E		40		F	
0328	SVTO	29	1415	1415	1422	N16	W15	9393	03	28.4	7	SF	3	E		17		F	
0329		29	15151	1517*	1550	N16	W12	9393	03	28.7	35	SF				55			
	HOLL	29	1515	1535	1549	N17	W10	9393	03	28.9	34	SF	3	E		49			
	RAMY	29	1516	1517	1551	N14	W15	9393	03	28.5	35	SF	3	E		61			
0330	RAMY	29	1611	1614	1631	N14	W14	9393	03	28.6	20	SF	3	E		35			
0331	RAMY	29	1633	1635	1642	S08	E08	9397	03	30.3	9	SF	3	E		38			
0332	RAMY	29	1736	1736	1744	N16	W15	9393	03	28.6	8	SF	3	E		26			
0333		29	18122	18141	1820	N14	W17	9393	03	28.5	8	SF				24			
	RAMY	29	1812	1815	1820	N15	W17	9393	03	28.5	8	SF	3	E		19			
	HOLL	29	1814	1814	1820	N14	W17	9393	03	28.5	6	SF	2	E		28			
0334		29	18261	18271	1842	N14	W17	9393	03	28.5	16	SF				40		F	
	RAMY	29	1826	1828	1848	N14	W17	9393	03	28.5	22	SF	3	E		41		F	
	HOLL	29	1827	1827	1835	N13	W17	9393	03	28.5	8	SF	2	E		38			
0335	RAMY	29	1956	1957	2002	N19	W15	9393	03	28.7	6	SF	3	E		50			
0336	RAMY	29	2013	2015	2131	N14	W19	9393	03	28.4	78	SF	3	E		94			
		29	2017		2022	No Flare Patrol													
		29	2030		2101	No Flare Patrol													
		29	2113		2131	No Flare Patrol													
		29	2219		2302	No Flare Patrol													
0337		30	0019	01107	0132	N14	W21	9393	03	28.4	73	1F				356	7.6	EF	
	LEAR	30	0019	0110	0123	N13	W22	9393	03	28.3	64	SF	3	E		70		F	
	URUM	30	0117E	0117	0141	N14	W20	9393	03	28.5	24D	2F		P		643	7.6	E	
0338	URUM	30	0152	0156	0200	S12	E01	9395	03	30.1	8	1N		C		354	3.7	E	

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H α SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0339		30	02161	02235	0240	N15	W21	9393	03	28.5	24	1N				176	3.8	EF
	URUM	30	0216	0228	0240	N16	W20	9393	03	28.6	24	1B		C		321	3.8	E
	LEAR	30	0217	0223	0240	N14	W22	9393	03	28.4	23	SF	4	E		32		F
0340	LEAR	30	0300	0317	0326	N13	W23	9393	03	28.4	26	SF	4	E		41		F
0341		30	03124	03173	0324	N20	W04	9401	03	29.8	12	1N				152	3.0	EF
	LEAR	30	0312	0317	0325	N20	W04	9401	03	29.8	13	SF	4	E		47		F
	URUM	30	0316	0320	0324	N20	W04	9401	03	29.8	8	1N		C		257	3.0	E
0342	LEAR	30	0336	0336	0344	N13	W24	9393	03	28.3	8	SF	4	E		18		
0343		30	0347	03512	0402	N18	W17	9393	03	28.9	15	1N				109	2.3	EF
	URUM	30	0347	0351	0359	N18	W18	9393	03	28.8	12	1N		C		193	2.3	E
	LEAR	30	0347	0353	0405	N17	W16	9393	03	28.9	18	SF	4	E		25		F
0344	LEAR	30	0425	0430	0440	N13	W25	9393	03	28.3	15	SF	4	E		85		F
0345	LEAR	30	0441	0515	0605	N14	W24	9393	03	28.4	84	1N	3	E		218		FZ
0346	URUM	30	0447	0455U	0507D	N14	W24	9393	03	28.4	20D	1F		P		402	4.9	E
0347		30	0444	0502	0536	N20	W03	9401	03	30.0	52	2N				332	5.6	EF
	LEAR	30	0444	0502	0536	N20	W04	9401	03	29.9	52	1F	3	E		182		F
	URUM	30	0507E	0507U	0507D	N21	W02	9401	03	30.0	52D	2B		P		482	5.6	E
0348	LEAR	30	0607	0610	0626	N17	W18	9393	03	28.9	19	SF	3	E		40		F
0349		30	06227	06304	0642	S12	W52	9389	03	26.3	20	1F				218	7.0	E
	URUM	30	0622	0634	0641	S11	W52	9389	03	26.3	19	2F		C		418	7.0	E
	LEAR	30	0629	0630	0642	S13	W52	9389	03	26.3	13	SF	3	E		18		
0350	LEAR	30	0627	0643	0656	N14	W24	9393	03	28.4	29	SF	3	E		94		F
0351	LEAR	30	0757	0757	0805	N17	W19	9393	03	28.9	8	SF	3	E		37		F
0352	LEAR	30	0907	0909	0925	S07	E33	9404	04	1.8	18	SF	3	E		36		F
0353	LEAR	30	0916	0923	0950	S12	W05	9397	03	30.0	34	1N	3	E		186		EF
0354	LEAR	30	0931	0945	0953	N17	W20	9393	03	28.9	22	SF	3	E		45		F
		30	1013		1044	No Flare Patrol												
0355	RAMY	30	1131	1131	1143	S11	W42	9405	03	27.3	12	SF	3	E		20		F
0356	HOLL	30	1509	1511	1556	N16	W24	9393	03	28.8	47	SF	3	E		19		F
0357	RAMY	30	1532	1537	1551	N15	W24	9393	03	28.8	19	SF	3	E		20		F
0358	RAMY	30	1512	1513	1519	S10	W05	9397	03	30.2	7	SF	3	E		10		
0359	HOLL	30	1522	1523	1532	S08	W04	9397	03	30.3	10	SF	3	E		14		
0360	HOLL	30	1717	1717	1725	S08	E25	9404	04	1.6	8	SF	3	E		22		
0361	HOLL	30	1744	1749	1759	N17	W26	9393	03	28.8	15	SF	3	E		18		F
0362	HOLL	30	1804	1807	1812	N16	W26	9393	03	28.8	8	SF	3	E		13		
0363	HOLL	30	1816	1819	1822	N17	W26	9393	03	28.8	6	SF	3	E		18		
0364	HOLL	30	2206	2207	2211	N13	W33	9393	03	28.4	5	SF	3	E		13		
0365		30	23271	23281	2348	N12	W28	9393	03	28.9	21	SF				42		F
	HOLL	30	2327	2328	2355	N13	W28	9393	03	28.9	28	SF	3	E		55		F
	LEAR	30	2328	2329	2341	N11	W29	9393	03	28.8	13	SF	3	E		29		F
0366	HOLL	31	0002	0005	0013	N19	W20	9393	03	29.5	11	SF	3	E		14		F

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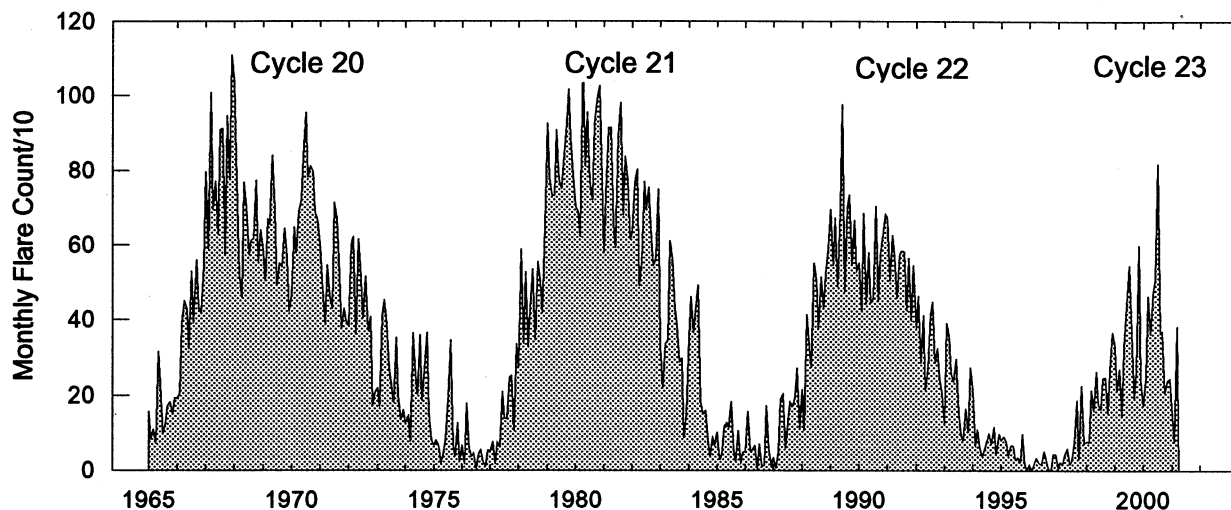
Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
														Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0367	LEAR	31	0023	0030	0107	N19 W23	9393	03	29.3	44	SF	3	E		36		F
0368		31	0223	02281	0240	N16 W29	9393	03	28.9	17	1F				194	4.3	EF
	LEAR	31	0223	0228	0240	N17 W29	9393	03	28.9	17	SF	3	E		51		F
	URUM	31	0229E	0229	0229D	N14 W29	9393	03	28.9	17D	1F		P		338	4.3	E
0369	LEAR	31	0306	0307	0310	N17 W30	9393	03	28.8	4	SF	3	E		15		F
0370	URUM	31	0316	0332	0332D	N15 W27	9393	03	29.1	16D	SN		P		161	2.0	E
0371	LEAR	31	0552	0553	0557	S12 W67	9389	03	26.2	5	SF	3	E		10		
0372	LEAR	31	0637	0639	0643	N14 W34	9393	03	28.7	6	SF	3	E		15		F
0373	LEAR	31	0703	0704	0731	S05 E20	9404	04	1.8	28	SF	3	E		76		F
0374	LEAR	31	0824	0824	0835	N15 W35	9393	03	28.7	11	SF	3	E		12		F
		31	0943		1056	No Flare Patrol											
0375	RAMY	31	1106	1110	1141	N16 W34	9393	03	28.9	35	SF	3	E		92		F
0376	RAMY	31	1319	1321	1327	S09 W75	9389	03	25.9	8	SF	3	E		89		
0377	HOLL	31	1348	1349	1351	S10 W68	9389	03	26.5	3	SF	3	E		19		
0378		31	14501	14501	1458	S10 W73	9389	03	26.1	8	SF				12		F
	HOLL	31	1450	1450	1500	S11 W72	9389	03	26.2	10	SF	3	E		12		F
	RAMY	31	1451	1451	1455	S10 W74	9389	03	26.0	4	SF	3	E		11		
0379		31	15311	15321	1538	N14 W36	9393	03	28.9	7	SF				20		F
	RAMY	31	1531	1532	1539	N14 W37	9393	03	28.8	8	SF	3	E		21		F
	HOLL	31	1532	1533	1538	N14 W36	9393	03	28.9	6	SF	3	E		18		F
0380		31	15591	16002	1606	S10 W76	9389	03	25.9	7	SF				14		
	HOLL	31	1559	1600	1606	S11 W73	9389	03	26.2	7	SF	3	E		11		
	RAMY	31	1600	1602	1606	S10 W78	9389	03	25.8	6	SF	3	E		16		
0381		31	16132	16141	1625	S10 W00	9408	03	31.7	12	SF				18		F
	HOLL	31	1613	1614	1628	S09 E00	9408	03	31.7	15	SF	3	E		24		F
	RAMY	31	1615	1615	1622	S11 W01	9408	03	31.6	7	SF	3	E		13		F
0382	HOLL	31	2151	2153	2202	N20 W26	9401	03	29.9	11	SF	3	E		67		F
0383		31	2309	23131	2317	S10 W02	9408	03	31.8	8	SF				13		
	LEAR	31	2309	2313	2318	S09 W01	9408	03	31.9	9	SF	3	E		12		
	HOLL	31	2309	2314	2316	S10 W02	9408	03	31.8	7	SF	3	E		14		

"Remarks"

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

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

Monthly Counts of Grouped Solar Flares Jan 1965 - Mar 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	77	383										607

The term 'grouped' means observations of the same event by different sites were lumped together and counted as one.

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

MARCH 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	280	CUBA	44 NS	1325.0E		505.0D		59.0		
	235	CUBA	44 NS	1325.0E		505.0D		14.0		
02	235	CUBA	44 NS	1300.0E		530.0D		17.0		
	280	CUBA	44 NS	1300.0E		530.0D		65.0		
	235	CUBA	7 C	1642.5	1646.0	4.5	119.0			
	280	CUBA	7 C	1642.5	1646.0	4.5		65.0		
03	127	TORN	43 NS	1000.0		90.0D		4.0		V=1
	280	CUBA	44 NS	1315.0E		515.0D		63.0		
	235	CUBA	44 NS	1315.0E		515.0D		17.0		
	200	HIRA	8 S	0107.0	0108.0	1.0	320.0			0
	245	LEAR	8 S	0107.0	0107.0	1.0	330.0			QL=2 ST=2 TYP=3
	245	SGMR	8 S	1440.0	1441.0	1.0	74.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1440.0	1441.0	1.0	95.0			QL=4 ST=2 TYP=3
	280	CUBA	7 C	1440.3	1440.6	0.7	246.0			
	235	CUBA	7 C	1440.3	1440.6	0.7	206.0			
	410	SGMR	8 S	1808.0	1808.0	2.0	72.0			QL=4 ST=2 TYP=3
04	280	CUBA	44 NS	1300.0E		530.0D		67.0		
	235	CUBA	44 NS	1300.0E		530.0D		18.0		
	200	HIRA	8 S	0426.0	0426.0	1.0	140.0			0
	245	LEAR	8 S	0426.0	0426.0	U	77.0			QL=2 ST=2 TYP=3
	200	HIRA	8 S	0513.0	0514.0	2.0	100.0			0
	245	LEAR	8 S	0514.0	0514.0	U	110.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0704.0	0705.0	1.0	120.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0704.9	0705.4	0.7	210.0			
	200	HIRA	8 S	0705.0	0705.0	1.0	75.0			0
	245	LEAR	8 S	0705.0	0705.0	U	110.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0937.0	0937.0	1.0	170.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0937.2	0937.9	1.0	148.0			
	204	IZMI	7 C	1026.5	1026.6	0.2	10.0			
	204	IZMI	42 SER	1030.5	1030.6	1.7	29.0			
05	204	IZMI	43 NS	0700.0		300.0D		10.0		
	235	CUBA	44 NS	1327.0E		503.0D		20.0		
	280	CUBA	44 NS	1327.0E		503.0D		69.0		
	204	IZMI	42 SER	0708.2	0708.7	0.9	26.0			
	204	IZMI	7 C	0834.9	0835.0	0.2	32.0			
	204	IZMI	25 R	0905.6		72.6		21.0		
	245	SVTO	4 S/F	0918.0	0920.0	3.0	89.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0918.0	0920.0	3.0	92.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0919.0	0921.0	2.0	90.0			QL=4 ST=2 TYP=3
	2800	PENT	3 S	1804.0	1808.0	8.0	14.0			
9500	CUBA	1 S	1805.0	1806.0	3.0	9.0	4.0			
6700	CUBA	2 S/F	1805.8	1806.8	4.0	14.0	7.0		00L	
06	204	IZMI	44 NS	0600.0E		300.0D				
	2804	VORO	32 ABS	0105.0	0130.0	84.0	4.5			
	3000	IZMI	7 C	0908.1	0908.6	0.6	8.0	4.0		
	204	IZMI	42 SER	1011.9	1012.2	0.8	38.0			
	6700	CUBA	20 GRF	1301.0E	1301.0	54.0D	22.0	11.0		00L
	9500	CUBA	20 GRF	1319.0E	1319.0	21.0D	7.0	3.0		
	2800	PENT	29 PBI	2138.0	2141.0	18.0	6.0			
	4995	PALE	8 S	2141.0	2142.0	1.0	58.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2141.0	2141.0	1.0	65.0			QL=4 ST=2 TYP=3
6700	CUBA	1 S	2141.5	2141.8	0.9	54.0	27.0		3L	
07	204	IZMI	44 NS	0700.0E		300.0D		15.0		
	235	CUBA	44 NS	1330.0E		500.0D		8.0		
	280	CUBA	44 NS	1330.0E		500.0D		33.0		
	245	PALE	43 NS	1704.0	1852.0	111.0	190.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1714.0	1851.0	100.0	150.0			QL=4 ST=2 TYP=1
	2804	VORO	28 PRE	0000.8	0001.8	9.2	4.5			
	2800	PENT	40 F	0007.0	0011.0	12.0	23.0			
	2800	HIRA	7 C	0009.0	0012.0	8.0	25.0			0
	2804	VORO	46 C	0010.0	0011.2	8.4	24.2			
	2804	VORO	46 C	0010.0	0014.8	8.4	16.2			
500	HIRA	8 S	0012.0	0014.0	5.0	75.0			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	410	LEAR	8 S	0014.0	0014.0	U	47.0			QL=2 ST=2 TYP=3	
	410	PALE	8 S	0014.0	0014.0	1.0	89.0			QL=4 ST=2 TYP=3	
	2804	VORO	29 PBI	0018.4	0018.4	216.0	5.2				
	245	LEAR	49 GB	0506.0	0506.0	1.0	500.0			QL=2 ST=2 TYP=6	
	4995	LEAR	8 S	0506.0	0506.0	U	26.0			QL=2 ST=2 TYP=3	
	9500	CUBA	22 GRF	1450.0	1509.0	87.0	7.0	3.0			
	245	SGMR	8 S	1606.0	1606.0	1.0	130.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	1606.0	1606.0	1.0	210.0			QL=4 ST=2 TYP=3	
	245	SGMR	8 S	1628.0	1630.0	2.0	93.0			QL=4 ST=2 TYP=3	
	9500	CUBA	21 GRF	1918.0	1926.0	112.0	12.0	6.0			
	6700	CUBA	21 GRF	1920.0	2119.0	190.0D	20.0	10.0			00L SUNSET
	9500	CUBA	2 S/F	1920.0	1920.2	1.5	11.0	5.0			
	08	204	IZMI	44 NS	0700.0E		300.0D		10.0		
235		CUBA	44 NS	1300.0E		530.0D		9.0			
245		SGMR	43 NS	1410.0	1419.0	78.0	74.0			QL=4 ST=2 TYP=1	
280		CUBA	44 NS	1907.0E		163.0D		25.0			
245		PALE	43 NS	1916.0	1954.0	176.0	320.0			QL=4 ST=2 TYP=1	
245		SGMR	43 NS	1917.0	2002.0	156.0	160.0			QL=4 ST=2 TYP=1	
2804		VORO	23 GRF	0051.8	0135.0	63.0	6.4				
2804		VORO	1 S	0105.6	0106.8	2.4	4.8				
200		HIRA	8 S	0110.0	0111.0	1.0	60.0			0	
200		HIRA	8 S	0159.0	0200.0	1.0	25.0			0	
9100		GORK	3 S	0724.2	0724.6	0.4	26.0				
9100		GORK	46 C	0856.4	0858.5		7.7				
9100		GORK	46 C	0856.4	0856.7	2.5	15.0				
2950		GORK	21 GRF	0956.3	1019.0	63.7D	12.0				
204		IZMI	25 R	1011.2		108.8D		25.0			
9100		GORK	21 GRF	1015.2	1023.2	14.4	15.0				
3000		IZMI	45 C	1015.4	1018.0	6.0	97.0	30.0			
3000		IZMI	22 GRF	1016.6	1023.4	9.2	18.0	6.0			
900		GORK	46 C	1018.6	1023.3		21.0				
900		GORK	46 C	1018.6	1020.7	7.1	15.0				
204		IZMI	42 SER	1019.7	1021.3	5.7	155.0				
2950		GORK	4 S/F	1020.0	1023.4	7.5	14.0				
9100		GORK	1 S	1026.0	1026.3	0.4	9.0				
245		SVTO	8 S	1035.0	1037.0	2.0	67.0			QL=4 ST=2 TYP=3	
9100		GORK	46 C	1036.7	1037.3		10.0				
9100		GORK	46 C	1036.7	1036.8	0.8	12.0				
245		SVTO	8 S	1047.0	1048.0	1.0	100.0			QL=4 ST=2 TYP=3	
9100		GORK	2 S/F	1050.4	1050.7	1.0	14.0				
8800		SVTO	49 GB	1115.0	1116.0	4.0	550.0			QL=4 ST=2 TYP=6	
610		SVTO	4 S/F	1115.0	1118.0	4.0	180.0			QL=2 ST=2 TYP=3	
4995		SVTO	4 S/F	1115.0	1118.0	5.0	310.0			QL=4 ST=2 TYP=3	
410		SVTO	4 S/F	1115.0	1117.0	3.0	440.0			QL=4 ST=2 TYP=3	
245		SVTO	49 GB	1115.0	1116.0	3.0	1800.0			QL=4 ST=2 TYP=6	
127		TORN	47 GB	1115.0U	1118.0	5.2D	1000.0	90.0			DISTURBED
204		IZMI	46 C	1115.2	1117.1	3.8	2983.0				
33		UPIC	47 GB	1115.5	1117.5U	20.5					
15400		SVTO	49 GB	1116.0	1117.0	7.0	610.0			QL=4 ST=2 TYP=6	
2695		SVTO	4 S/F	1116.0	1118.0	3.0	82.0			QL=4 ST=2 TYP=3	
1415		SVTO	8 S	1117.0	1117.0	1.0	58.0			QL=4 ST=2 TYP=3	
245		SVTO	49 GB	1120.0	1122.0	4.0	930.0			QL=4 ST=2 TYP=6	
204		IZMI	46 C	1120.1	1122.1	5.8	921.0				
204	IZMI	42 SER	1127.2	1131.2	6.9	92.0					
245	SVTO	4 S/F	1414.0	1416.0	5.0	95.0			QL=2 ST=2 TYP=3		
6700	CUBA	2 S/F	1449.2	1451.5	5.6	29.0	14.0				
9500	CUBA	2 S/F	1449.4	1451.5	3.8	20.0	10.0				
245	SVTO	8 S	1518.0	1520.0	2.0	88.0			QL=4 ST=2 TYP=3		
410	SGMR	8 S	1525.0	1525.0	U	51.0			QL=4 ST=2 TYP=3		
245	SGMR	8 S	1539.0	1539.0	1.0	130.0			QL=4 ST=2 TYP=3		
245	SVTO	8 S	1539.0	1539.0	1.0	120.0			QL=4 ST=2 TYP=3		
9500	CUBA	21 GRF	1548.0	1556.0	38.0	10.0	5.0				
6700	CUBA	21 GRF	1548.0	1620.0	77.0	11.0	5.0				
6700	CUBA	1 S	1553.0	1554.1	2.6	16.0	8.0				
9500	CUBA	1 S	1554.5	1555.2	1.8	8.0	4.0				
8800	SGMR	20 GRF	1611.0	1645.0	47.0	51.0			QL=4 ST=2 TYP=2		
2800	PENT	29 PBI	1815.0	1832.0	77.0U	18.0					
9500	CUBA	20 GRF	1821.0	1847.0	87.0	10.0	5.0				

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							Peak (10 -22 W/m 2 Hz)	Mean		
08	6700	CUBA	20 GRF	1821.0	1846.0	92.0	22.0	11.0	14R	
	235	CUBA	27 RF	1907.0	1930.0	63.0	22.0	11.0		
	9500	CUBA	1 S	1956.5	1957.6	2.5	7.0	3.0	19R	
	6700	CUBA	1 S	1957.2	1957.8	1.8	10.0	5.0		
09	245	LEAR	43 NS	0449.0	0455.0	91.0	120.0			QL=2 ST=2 TYP=1
	204	IZMI	44 NS	0802.0E		173.8D		15.0		
	235	CUBA	44 NS	1325.0E		505.0D		5.0		
	280	CUBA	44 NS	1325.0E		505.0D		15.0		
	2804	VORO	1 S	0145.0	0145.8	2.0	58.0			
	2804	VORO	29 PBI	0147.0	0147.0	148.0	7.8			
	2800	HIRA	3 S	0155.0	0156.0	5.0	115.0			0
	15400	LEAR	8 S	0155.0	0155.0	1.0	47.0			QL=2 ST=2 TYP=3
	4995	LEAR	8 S	0155.0	0155.0	2.0	180.0			QL=2 ST=2 TYP=3
	2695	LEAR	8 S	0155.0	0155.0	1.0	120.0			QL=2 ST=2 TYP=3
	1415	LEAR	8 S	0155.0	0156.0	2.0	41.0			QL=2 ST=2 TYP=3
	8800	PALE	8 S	0155.0	0155.0	1.0	110.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0155.0	0155.0	1.0	160.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0155.0	0155.0	1.0	92.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0155.0	0156.0	2.0	54.0			QL=4 ST=2 TYP=3
	500	HIRA	4 S/F	0233.0	0242.0	17.0	40.0			0
	245	LEAR	8 S	0444.0	0444.0	2.0	230.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0539.0	0540.0	1.0	73.0			QL=4 ST=2 TYP=3
	2950	GORK	20 GRF	0811.0	0859.5	117.0	6.5			
	9100	GORK	24 R	0837.2	0841.2U	142.8D	19.0			
	3000	IZMI	20 GRF	0840.8	0841.9	5.1	9.0		6.0	
	2804	VORO	45 C	2320.6	2323.4	5.6	43.6			
	2804	VORO	45 C	2320.6	2321.6	5.6	31.2			
	2695	LEAR	4 S/F	2321.0	2323.0	3.0	93.0			QL=2 ST=2 TYP=3
	4995	LEAR	4 S/F	2321.0	2323.0	3.0	87.0			QL=2 ST=2 TYP=3
	1415	LEAR	8 S	2323.0	2323.0	U	21.0			QL=2 ST=2 TYP=3
	8800	LEAR	8 S	2323.0	2323.0	U	38.0			QL=2 ST=2 TYP=3
	4995	PALE	8 S	2323.0	2323.0	1.0	87.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2323.0	2323.0	1.0	53.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	2323.0	2323.0	1.0	97.0			QL=4 ST=2 TYP=3
	2804	VORO	29 PBI	2326.2	2326.2	54.0	9.5			
	10	235	CUBA	44 NS	1300.0E		420.0D		5.0	
280		CUBA	44 NS	1300.0E		420.0D		13.0		
200		HIRA	8 S	0110.0	0110.0	1.0	70.0			0
2804		VORO	1 S	0319.7	0320.7	1.2	7.7			
2804		VORO	2 S/F	0342.5	0343.8	3.7	10.4			
2804		VORO	2 S/F	0400.6	0403.1	5.6	52.0			
4995		LEAR	4 S/F	0401.0	0403.0	4.0	420.0			QL=2 ST=2 TYP=3
8800		LEAR	49 GB	0402.0	0403.0	3.0	830.0			QL=2 ST=2 TYP=6
2800		HIRA	3 S	0403.0	0404.0	7.0	105.0			0
500		HIRA	4 S/F	0403.0	0404.0	7.0	115.0			0
200		HIRA	47 GB	0403.0	0404.0	7.0	5050.0			0
1415		LEAR	4 S/F	0403.0	0404.0	3.0	160.0			QL=2 ST=2 TYP=3
2695		LEAR	8 S	0403.0	0403.0	2.0	110.0			QL=2 ST=2 TYP=3
410		PALE	4 S/F	0403.0	0404.0	3.0	300.0			QL=4 ST=2 TYP=3
8800		PALE	8 S	0403.0	0403.0	1.0	400.0			QL=4 ST=2 TYP=3
610		PALE	4 S/F	0403.0	0404.0	3.0	110.0			QL=4 ST=2 TYP=3
15400		PALE	49 GB	0403.0	0403.0	1.0	1300.0			QL=4 ST=2 TYP=6
4995		PALE	8 S	0403.0	0403.0	1.0	270.0			QL=4 ST=2 TYP=3
2695		PALE	8 S	0403.0	0403.0	1.0	76.0			QL=4 ST=2 TYP=3
245		PALE	49 GB	0403.0	0403.0	2.0	9000.0			QL=4 ST=2 TYP=6
1415		PALE	8 S	0403.0	0404.0	2.0	160.0			QL=4 ST=2 TYP=3
4995		LEAR	4 S/F	0409.0	0409.0	4.0	25.0			QL=2 ST=2 TYP=3
245		LEAR	8 S	0409.0	0409.0	U	370.0			QL=2 ST=2 TYP=3
410		PALE	8 S	0409.0	0409.0	1.0	31.0			QL=4 ST=2 TYP=3
245		PALE	49 GB	0409.0	0409.0	1.0	670.0			QL=4 ST=2 TYP=6
204		IZMI	7 C	0713.2	0713.2	0.1	11.0			
410		SVTO	8 S	0739.0	0740.0	2.0	110.0			QL=4 ST=2 TYP=3
245		SVTO	4 S/F	0739.0	0740.0	3.0	440.0			QL=4 ST=2 TYP=3
200		HIRA	8 S	0740.0	0741.0	1.0	215.0			0
500		HIRA	8 S	0740.0	0741.0	1.0	45.0			0
410		LEAR	8 S	0740.0	0740.0	1.0	51.0			QL=2 ST=2 TYP=3
245		LEAR	8 S	0740.0	0740.0	1.0	320.0			QL=2 ST=2 TYP=3

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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		
10	204	IZMI	45 C	0740.4	0740.8	1.0	680.0			
			900 GORK	4 S/F	0740.5	0740.8	0.8	20.0		
	2950	GORK	1 S	0902.2	0902.8	1.2	140.0			
			1 S	0938.0	0938.8	1.4	3.3			
	204	IZMI	1 S	0938.4	0938.5	1.3	11.0			
			42 SER	0939.6	0939.7	0.5	10.0			
	6700	CUBA	1 S	1555.6	1556.1	1.2	5.0	2.0		36R
	2800	PENT	3 S	1616.0	1621.0	9.0	3.0			
11	204	IZMI	43 NS	0816.0		85.0	35.0			
			127 TORN	43 NS	0835.0		285.0		13.0	
	235	CUBA	44 NS	1300.0E		530.0D		4.0		
			280 CUBA	44 NS	1300.0E		530.0D		13.0	
	3000	IZMI	22 GRF	0756.4	0809.4	22.6	20.0	6.0		
	900	GORK	4 S/F	0805.2	0808.1	5.1	18.0			
			4 S/F	0805.2	0809.3	6.3	9.0			
	204	IZMI	7 C	0806.2	0806.2	0.1	30.0			
	3000	IZMI	20 GRF	0848.0	0850.4	10.5U	7.0	3.0		
	235	CUBA	41 F	1724.7	1748.1	31.4	251.0			
	12	33	UPIC	43 NS	0708.0		506.0			
235 CUBA				44 NS	1300.0E		530.0D		4.0	
280		CUBA	44 NS	1300.0E		530.0D		12.0		
2804		VORO	2 S/F	0233.0	0233.2	0.6	6.9			
280		CUBA	27 RF	1424.7	1448.1	31.4	21.0			
6700		CUBA	22 GRF	1728.0	1735.0	47.0	13.0	6.0		6R
2800		PENT	40 F	1756.0E	1756.0D	1.0U				
200		HIRA	8 S	2118.0	2118.0	1.0	15.0			0
200		HIRA	8 S	2216.0	2216.0	2.0	20.0			0
245		PALE	8 S	2216.0	2216.0	U	54.0			QL=4 ST=2 TYP=3
13	127	TORN	44 NS	0850.0E		370.0D		30.0		V=1,DISTURBED
			235 CUBA	44 NS	1300.0E		530.0D		4.0	
	280	CUBA	44 NS	1310.0E		520.0D		11.0		
	200	HIRA	8 S	0014.0	0014.0	3.0	35.0			0
	200	HIRA	8 S	0103.0	0103.0	1.0	15.0			0
	3000	IZMI	22 GRF	0821.9	0822.9	13.2	8.0	2.0		
	410	SVTO	8 S	1256.0	1256.0	U	71.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	2222.0	2222.0	1.0	25.0			WR
	200	HIRA	8 S	2337.0	2339.0	2.0	40.0			WR
	500	HIRA	8 S	2338.0	2339.0	1.0	25.0			0
14	127	TORN	44 NS	0700.0E		270.0D		4.0		V=1
			200 HIRA	8 S	0055.0	0055.0	1.0	25.0		
	200	HIRA	8 S	0336.0	0337.0	2.0	30.0			MR
	900	GORK	46 C	0636.7	0638.0	3.5	55.0			
	200	HIRA	8 S	0649.0	0650.0	2.0	25.0			WR
	204	IZMI	42 SER	0701.6	0710.4	9.8	16.0			
	204	IZMI	42 SER	0839.9	0845.6	7.5	9.0			
	127	TORN	6 S	0846.6	0847.2	12.0	30.0	16.0		
			42 SER	0849.6	0903.2	17.6	47.0			
	245	LEAR	8 S	0854.0	0854.0	U	200.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0854.0	0854.0	U	240.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0854.0	0854.0	U	66.0			QL=4 ST=2 TYP=3
	3000	IZMI	20 GRF	0901.4	0903.4	3.3	10.0	5.0		
	245	SVTO	8 S	0922.0	0922.0	U	98.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	1016.2	1017.1	1.6	24.0			
	204	IZMI	41 F	1140.5	1141.2	3.7	16.0			
	245	SVTO	4 S/F	1309.0	1313.0	6.0	110.0			QL=2 ST=2 TYP=3
	410	SVTO	4 S/F	1310.0	1313.0	4.0	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1313.0	1313.0	U	88.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1445.0	1445.0	1.0	75.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1505.0	1505.0	2.0	260.0			QL=4 ST=2 TYP=3
245	SVTO	8 S	1505.0	1505.0	1.0	300.0			QL=4 ST=2 TYP=3	
200	HIRA	8 S	2304.0	2304.0	1.0	15.0			0	
15	235	CUBA	44 NS	1730.0E		260.0D		6.0		
			280 CUBA	44 NS	1730.0E		260.0D		14.0	
	200	HIRA	8 S	0003.0	0003.0	1.0	15.0			0

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Outstanding Occurrences

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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	200	HIRA	7 C	0011.0	0011.0	8.0	185.0			WR
	245	LEAR	8 S	0016.0	0017.0	2.0	150.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	0017.0	0017.0	1.0	220.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0253.0	0253.0	1.0	25.0			WR
	500	HIRA	8 S	0253.0	0253.0	1.0	10.0			0
	204	IZMI	42 SER	0720.7	0720.9	2.2	12.0			
	204	IZMI	41 F	0847.7	0847.8	2.8	38.0			
	33	UPIC	46 C	1122.0	1124.5	6.0				
	204	IZMI	42 SER	1122.2	1123.4	4.0	16.0			
	204	IZMI	41 F	1130.6	1131.2	1.5	37.0			
	6700	CUBA	1 S	1808.0	1808.5	2.0	8.0	4.0		31L
	2800	PENT	24 R	2047.0	2126.0	105.0U	14.0			
	610	PALE	8 S	2153.0	2153.0	1.0	57.0			QL=4 ST=2 TYP=3
245	PALE	4 S/F	2212.0	2214.0	6.0	130.0			QL=4 ST=2 TYP=3	
410	PALE	8 S	2213.0	2214.0	1.0	48.0			QL=4 ST=2 TYP=3	
16	235	CUBA	44 NS	1400.0E		470.0D		9.0		
	280	CUBA	44 NS	1400.0E		470.0D		10.0		
	3000	IZMI	22 GRF	1035.9	1040.3	5.3	22.0	12.0		
	2800	PENT	29 PBI	2042.0	2046.0	25.0	7.0			
	17	127	TORN	43 NS	0930.0		350.0		12.0	
204		IZMI	43 NS	1027.0		83.0D		10.0		
235		CUBA	44 NS	1335.0E		495.0D		12.0		
280		CUBA	44 NS	1335.0E		495.0D		21.0		
200		HIRA	8 S	0610.0	0610.0	1.0	25.0			WR
245		LEAR	8 S	0610.0	0610.0	2.0	77.0			QL=2 ST=2 TYP=3
245		SVTO	8 S	0610.0	0610.0	U	80.0			QL=4 ST=2 TYP=3
3000		IZMI	20 GRF	0912.4	0912.8	0.6	7.0	4.0		
1415		SGMR	8 S	1714.0	1715.0	2.0	69.0			QL=4 ST=2 TYP=3
245		SGMR	8 S	1714.0	1715.0	2.0	33.0			QL=4 ST=2 TYP=3
410		SGMR	8 S	1714.0	1715.0	2.0	59.0			QL=4 ST=2 TYP=3
2695		SGMR	4 S/F	1714.0	1717.0	4.0	18.0			QL=4 ST=2 TYP=3
410		PALE	8 S	1715.0	1715.0	1.0	61.0			QL=4 ST=2 TYP=3
1415		PALE	8 S	1715.0	1715.0	U	55.0			QL=4 ST=2 TYP=3
245		PALE	8 S	1715.0	1715.0	U	42.0			QL=4 ST=2 TYP=3
4995		SGMR	4 S/F	1715.0	1717.0	3.0	17.0			QL=4 ST=2 TYP=3
610		SGMR	8 S	1715.0	1715.0	1.0	44.0			QL=4 ST=2 TYP=3
2695		PALE	8 S	1717.0	1717.0	U	24.0			QL=4 ST=2 TYP=3
245		SGMR	8 S	1817.0	1817.0	1.0	73.0			QL=4 ST=2 TYP=3
245		PALE	8 S	2128.0	2128.0	U	110.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	2128.0	2128.0	U	92.0			QL=4 ST=2 TYP=3	
245	LEAR	8 S	2301.0	2301.0	2.0	53.0			QL=2 ST=2 TYP=3	
18	204	IZMI	44 NS	0700.0E		300.0D		30.0		
	127	TORN	43 NS	0830.0		290.0		10.0		V=1
	280	CUBA	44 NS	1300.0E		530.0D		18.0		
	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	245	LEAR	8 S	0521.0	0522.0	1.0	100.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0521.0	0522.0	1.0	110.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0522.0	0523.0	1.0	25.0			0
	2950	GORK	21 GRF	0740.2	0748.0	58.8	6.4			
	2950	GORK	1 S	0741.1	0741.5	0.7	3.2			
	245	LEAR	4 S/F	0756.0	0759.0	4.0	64.0			QL=2 ST=2 TYP=3
	2950	GORK	1 S	0757.0	0757.5	1.2	4.2			
	245	SVTO	8 S	0758.0	0759.0	1.0	71.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0845.8	0847.4	2.2	33.0			
	610	LEAR	8 S	0846.0	0847.0	1.0	27.0			QL=2 ST=2 TYP=3
	410	LEAR	4 S/F	0846.0	0846.0	4.0	24.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0846.0	0847.0	1.0	34.0			QL=2 ST=2 TYP=3
	410	SVTO	8 S	0846.0	0847.0	1.0	64.0			QL=4 ST=2 TYP=3
	900	GORK	2 S/F	0846.7	0847.4	1.4	11.0			
	245	SVTO	8 S	0847.0	0847.0	U	39.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0850.7	0852.4	2.6	154.0			
204	IZMI	42 SER	0925.9	0928.0	3.6	117.0				
33	UPIC	46 C	1214.0	1214.5	4.0					
127	TORN	46 C	1241.8	1241.9	3.5	410.0	60.0			
245	SGMR	8 S	1242.0	1242.0	1.0	81.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1242.0	1242.0	1.0	68.0			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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MARCH 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)		
18	410	SGMR	8 S	1413.0	1414.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1559.0	1600.0	1.0	52.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1559.0	1600.0	1.0	68.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	2201.0	2202.0	1.0	30.0			0
	200	HIRA	8 S	2326.0	2326.0	1.0	50.0			WL
	2800	PENT	1 S	2340.0	2341.0	4.0	12.0			
	200	HIRA	7 C	2341.0	2342.0	1.0	230.0			WL
	245	LEAR	8 S	2341.0	2342.0	1.0	160.0			QL=2 ST=2 TYP=3
2804	VORO	1 S	2341.5	2345.8	4.5	12.6				
19	280	CUBA	44 NS	1300.0E		240.0D		16.0		
	235	CUBA	44 NS	1300.0E		530.0D		6.0		
	200	HIRA	8 S	0039.0	0039.0	1.0	15.0			ML
	500	HIRA	8 S	0050.0	0052.0	3.0	20.0			WL
	200	HIRA	7 C	0050.0	0050.0	3.0	215.0			WL
	245	LEAR	8 S	0050.0	0050.0	U	62.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	0050.0	0050.0	1.0	65.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0051.0	0051.0	1.0	62.0			QL=2 ST=2 TYP=3
	410	PALE	8 S	0051.0	0052.0	1.0	120.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0056.0	0056.0	1.0	15.0			0
	500	HIRA	8 S	0116.0	0117.0	1.0	70.0			ML
	410	LEAR	8 S	0116.0	0116.0	U	42.0			QL=2 ST=2 TYP=3
	410	PALE	8 S	0116.0	0116.0	U	73.0			QL=4 ST=3 TYP=3
	200	HIRA	8 S	0117.0	0117.0	1.0	10.0			0
	200	HIRA	8 S	0149.0	0149.0	1.0	15.0			0
	200	HIRA	7 C	0153.0	0155.0	2.0	40.0			ML
	500	HIRA	8 S	0154.0	0155.0	1.0	10.0			WL
	200	HIRA	7 C	0227.0	0227.0	1.0	60.0			ML
	200	HIRA	42 SER	0237.0	0238.0	12.0	110.0			ML
	200	HIRA	8 S	0244.0	0244.0	1.0	20.0			WL
	200	HIRA	8 S	0425.0	0426.0	1.0	15.0			0
	204	IZMI	42 SER	0759.5	0800.6	2.3	56.0			
	245	SGMR	49 GB	1145.0	1146.0	2.0	1500.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1145.0	1146.0	2.0	94.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1146.0	1146.0	1.0	1700.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	1146.0	1146.0	1.0	120.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	1146.7	1146.8	0.6	2548.0			
	245	SGMR	49 GB	1352.0	1352.0	2.0	6200.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1352.0	1352.0	2.0	58.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1352.0	1352.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1352.0	1352.0	2.0	5200.0			QL=2 ST=2 TYP=6
	2800	PENT	1 S	2219.0	2223.0	8.0	6.0			
2800	HIRA	3 S	2317.0	2318.0	4.0	55.0			0	
4995	LEAR	4 S/F	2317.0	2318.0	3.0	88.0			QL=2 ST=2 TYP=3	
500	HIRA	8 S	2318.0	2318.0	1.0	40.0			0	
15400	LEAR	4 S/F	2318.0	2318.0	3.0	46.0			QL=2 ST=2 TYP=3	
2695	LEAR	8 S	2318.0	2318.0	1.0	57.0			QL=2 ST=2 TYP=3	
8800	LEAR	8 S	2318.0	2318.0	2.0	62.0			QL=2 ST=2 TYP=3	
4995	PALE	8 S	2318.0	2318.0	2.0	83.0			QL=4 ST=2 TYP=3	
2695	PALE	8 S	2318.0	2319.0	2.0	60.0			QL=4 ST=2 TYP=3	
8800	PALE	8 S	2318.0	2318.0	2.0	59.0			QL=4 ST=2 TYP=3	
20	280	CUBA	44 NS	1345.0E		375.0D		17.0		
	235	CUBA	44 NS	1345.0E		375.0D		8.0		
	2804	VORO	23 GRF	0221.0	0235.8	175.0	8.1			
	2804	VORO	2 S/F	0231.0	0231.8	3.1	11.4			
	610	LEAR	8 S	0331.0	0332.0	1.0	52.0			QL=2 ST=2 TYP=3
	8800	LEAR	8 S	0331.0	0332.0	1.0	29.0			QL=2 ST=2 TYP=3
	15400	LEAR	8 S	0331.0	0332.0	2.0	83.0			QL=2 ST=2 TYP=3
	610	PALE	8 S	0331.0	0332.0	1.0	73.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0331.0	0332.0	1.0	23.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0332.0	0332.0	1.0	240.0			0
	2695	PALE	8 S	0332.0	0332.0	U	27.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0333.0	0333.0	1.0	130.0			QL=2 ST=2 TYP=3
	410	PALE	8 S	0333.0	0333.0	1.0	250.0			QL=4 ST=2 TYP=3
	900	GORK	40 F	0842.4	0844.4	3.6	16.0			
6700	CUBA	2 S/F	1423.4	1424.0	1.3	19.0		9.0		12L
2800	PENT	40 F	1459.0	1505.0	14.0	16.0				
6700	CUBA	46 C	1501.2	1505.0	7.3	96.0		48.0		3L

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

MARCH 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		
20	4995	SVTO	4 S/F	1502.0	1504.0	5.0	62.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1502.0	1504.0	5.0	81.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1502.0	1504.0	4.0	30.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1502.0	1504.0	10.0	92.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1502.0	1504.0	10.0	74.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1503.0	1504.0	9.0	62.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1503.0	1504.0	4.0	60.0			QL=4 ST=2 TYP=3
	2800	PENT	3 S	1618.0	1623.0	11.0	6.0			
2800	PENT	4 S/F	2051.0	2100.0	17.0	23.0				
21	235	CUBA	44 NS	1329.0E		501.0D		18.0		
	280	CUBA	44 NS	1329.0E		501.0D		34.0		
	245	PALE	43 NS	1745.0	1748.0	123.0	160.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1748.0	1748.0	114.0	130.0			QL=4 ST=2 TYP=1
	2804	VORO	46 C	0230.3	0235.4	6.8	48.2			
	4995	LEAR	8 S	0234.0	0235.0	1.0	38.0			QL=2 ST=2 TYP=3
	2695	LEAR	8 S	0234.0	0235.0	1.0	43.0			QL=2 ST=2 TYP=3
	1415	PALE	4 S/F	0234.0	0235.0	4.0	20.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0234.0	0235.0	2.0	33.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	0234.0	0235.0	4.0	39.0			QL=4 ST=2 TYP=3
	2804	VORO	31 ABS	0236.8	0251.0	60.0	6.6			
	245	LEAR	8 S	0242.0	0242.0	1.0	71.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	0242.0	0242.0	1.0	87.0			QL=4 ST=2 TYP=3
	2950	GORK	1 S	0657.5	0658.9	2.5	5.7			
	9100	GORK	4 S/F	0701.7	0702.0	0.5	100.0			
	204	IZMI	7 C	0744.6	0744.7	0.3	69.0			
	2695	SVTO	8 S	0916.0	0916.0	1.0	82.0			QL=4 ST=2 TYP=3
	33	UPIC	3 S	1007.0	1007.5	1.0				
	245	LEAR	8 S	1014.0	1014.0	1.0	78.0			QL=2 ST=2 TYP=3
	204	IZMI	41 F	1014.1	1014.4	1.3	115.0			
	3000	IZMI	7 C	1025.5	1026.1	0.9	9.0	4.0		
	3000	IZMI	7 C	1047.3	1047.4	0.5	9.0	4.0		
	4995	SVTO	8 S	1124.0	1125.0	2.0	250.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	1124.3	1125.4	2.1	501.0			
	3000	IZMI	45 C	1124.6	1125.5	3.6	126.0	30.0		
	33	UPIC	46 C	1125.0		3.0				
	8800	SGMR	8 S	1125.0	1125.0	1.0	150.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1125.0	1125.0	1.0	180.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1125.0	1125.0	1.0	83.0			QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1125.0	1125.0	1.0	48.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1125.0	1125.0	1.0	530.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1125.0	1125.0	U	460.0			QL=4 ST=2 TYP=3
	410	SVTO	49 GB	1125.0	1125.0	U	1200.0			QL=4 ST=2 TYP=6
	8800	SVTO	8 S	1125.0	1125.0	1.0	200.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1125.0	1125.0	U	63.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1125.0	1125.0	1.0	61.0			QL=4 ST=2 TYP=3
15400	SVTO	8 S	1125.0	1125.0	1.0	90.0			QL=4 ST=2 TYP=3	
2695	SVTO	8 S	1125.0	1125.0	1.0	100.0			QL=4 ST=2 TYP=3	
245	SVTO	49 GB	1125.0	1125.0	U	660.0			QL=4 ST=2 TYP=6	
204	IZMI	42 SER	1126.8	1129.2	3.5	27.0				
204	IZMI	20 GRF	1133.4	1139.8	11.0	7.0				
410	SGMR	8 S	1206.0	1206.0	1.0	110.0			QL=4 ST=3 TYP=3	
410	SVTO	8 S	1206.0	1206.0	U	170.0			QL=4 ST=3 TYP=3	
9500	CUBA	20 GRF	1333.0E	1333.0	25.0D	9.0	4.0			
127	TORN	5 S	1345.9	1346.6	1.9	440.0	220.0			
245	SGMR	8 S	1424.0	1424.0	1.0	68.0			QL=4 ST=3 TYP=3	
245	SVTO	8 S	1424.0	1424.0	U	61.0			QL=4 ST=2 TYP=3	
6700	CUBA	21 GRF	1457.0	1509.0	34.0	31.0	15.0		7L	
245	SGMR	8 S	1607.0	1608.0	2.0	79.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1613.0	1613.0	U	54.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	1613.0	1613.0	467.0	79.0			QL=4 ST=2 TYP=3	
200	HIRA	8 S	2331.0	2332.0	1.0	15.0			0	
245	LEAR	8 S	2357.0	2357.0	U	260.0			QL=4 ST=2 TYP=3	
22	280	CUBA	44 NS	1300.0E		400.0D		17.0		
	235	CUBA	44 NS	1300.0E		400.0D		5.0		
	200	HIRA	8 S	0001.0	0001.0	1.0	30.0			0
	200	HIRA	8 S	0139.0	0139.0	1.0	15.0			0
	2804	VORO	3 S	0510.6	0511.7	2.7	4.5			

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Outstanding Occurrences

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MARCH 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			
22	245	LEAR	4 S/F	0550.0	0554.0	8.0	79.0			QL=2 ST=2 TYP=3	
	410	SVTO	8 S	0553.0	0553.0	1.0	57.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0554.0	0554.0	1.0	74.0		U	QL=4 ST=2 TYP=3	
	3000	IZMI	42 SER	0705.6	0707.4	5.9	2.0				
	2950	GORK	1 S	0707.3	0707.5	1.1	7.5				
	2950	GORK	2 S/F	0710.2	0711.1	1.3	6.5				
	200	HIRA	8 S	0817.0	0818.0	2.0	70.0				0
	245	LEAR	8 S	0817.0	0817.0	1.0	330.0				QL=2 ST=2 TYP=3
	410	SVTO	8 S	0817.0	0817.0	1.0	58.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	0817.0	0817.0	1.0	410.0				QL=4 ST=2 TYP=3
	204	IZMI	41 F	0817.6	0818.0	1.9	93.0				
	3000	IZMI	20 GRF	0817.7	0818.2	1.1	7.0	4.0			
	204	IZMI	42 SER	0819.8	0820.5	0.9	14.0				
	200	HIRA	47 GB	0821.0	0823.0	3.0	680.0				WR
	245	LEAR	8 S	0821.0	0821.0	1.0	92.0				QL=2 ST=2 TYP=3
	245	SVTO	8 S	0821.0	0821.0	1.0	130.0				QL=4 ST=2 TYP=3
	204	IZMI	46 C	0821.1	0822.3	2.5	5168.0				
	204	IZMI	42 SER	0825.9	0826.1	1.6	16.0				
	204	IZMI	22 GRF	0830.1	0831.1	8.2	15.0				
	410	SVTO	8 S	1025.0	1026.0	2.0	61.0				QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1054.0	1055.0	3.0	50.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1055.0	1055.0	1.0	50.0				QL=4 ST=3 TYP=3
	9500	CUBA	21 GRF	1300.0	1323.0	106.0	26.0	13.0			
	410	SGMR	8 S	1303.0	1303.0	1.0	57.0				QL=2 ST=2 TYP=3
	610	SVTO	48 C	1307.0	1311.0	8.0	58.0				QL=2 ST=2 TYP=8
	410	SGMR	8 S	1310.0	1311.0	1.0	100.0				QL=2 ST=2 TYP=3
	245	SVTO	8 S	1310.0	1311.0	1.0	38.0				QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1310.0	1311.0	2.0	110.0				QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1310.0	1311.0	2.0	130.0				QL=4 ST=2 TYP=3
	410	SVTO	8 S	1310.0	1311.0	1.0	200.0				QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1310.0	1311.0	1.0	51.0				QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1310.0	1310.0	1.0	47.0				QL=4 ST=2 TYP=3
	9500	CUBA	3 S	1310.2	1311.2	2.8	114.0	57.0			
8800	SGMR	8 S	1311.0	1311.0	1.0	34.0				QL=2 ST=2 TYP=3	
1415	SVTO	8 S	1311.0	1311.0	1.0	29.0				QL=4 ST=2 TYP=3	
245	SVTO	8 S	1349.0	1349.0	1.0	320.0				QL=2 ST=2 TYP=3	
410	SVTO	8 S	1553.0	1553.0	1.0	78.0				QL=4 ST=2 TYP=3	
2800	PENT	1 S	1749.0	1751.0	4.0	4.0					
2800	PENT	1 S	2256.0	2258.0	4.0	7.0					
23	204	IZMI	43 NS	0700.0E		300.0D		10.0			
	280	CUBA	44 NS	1400.0E		470.0D		20.0			
	235	CUBA	44 NS	1400.0E		470.0D		10.0			
	245	SGMR	43 NS	1634.0	1733.0	124.0	80.0				QL=4 ST=2 TYP=1
	2800	PENT	20 GRF	0032.0	0039.0	17.0	6.0				
	2804	VORO	22 GRF	0033.8	0040.3	67.0	5.9				
	500	HIRA	8 S	0038.0	0040.0	3.0	95.0				0
	500	HIRA	7 C	0538.0	0543.0	7.0	80.0				0
	410	SVTO	8 S	0542.0	0542.0	1.0	50.0				QL=4 ST=2 TYP=3
	900	GORK	46 C	0624.3	0624.5	0.8	34.0				
	900	GORK	46 C	0624.3	0624.7	0.6	44.0				
	204	IZMI	42 SER	0743.8	0744.3	0.6	56.0				
	3000	IZMI	20 GRF	0912.5	0914.8	4.5	9.0	4.0			
	245	LEAR	8 S	0925.0	0925.0	1.0	140.0				QL=2 ST=2 TYP=3
	245	SVTO	8 S	0925.0	0925.0	1.0	160.0				QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0925.9	0926.7	0.8	15.0				
	33	UPIC	45 C	1225.5	1226.0	2.0					
	2800	PENT	20 GRF	1517.0	1522.0	10.0	4.0				
	9500	CUBA	40 F	1845.0	1956.0	73.0	50.0	25.0			
	6700	CUBA	40 F	1849.0	1856.2	10.2	45.0	22.0			21L
8800	SGMR	8 S	1855.0	1856.0	1.0	57.0				QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	2035.0	2051.0	18.0	9.0					
245	SGMR	8 S	2050.0	2050.0	1.0	50.0				QL=4 ST=2 TYP=3	
2800	PENT	1 S	2134.0	2137.0	6.0	9.0					
200	HIRA	8 S	2137.0	2138.0	1.0	40.0				0	
245	SGMR	8 S	2137.0	2138.0	1.0	50.0				QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	2210.0	2214.0	21.0	4.0					
24	204	IZMI	44 NS	0700.0E		300.0D		20.0			

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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		
24	127	TORN	44 NS	0700.0E		480.0D		55.0		V=1
	280	CUBA	44 NS	1300.0E		530.0D		22.0		
	235	CUBA	44 NS	1300.0E		530.0D		11.0		
	245	SGMR	43 NS	1850.0	1856.0	8.0	74.0			QL=4 ST=3 TYP=1
	245	LEAR	43 NS	2244.0	0106.0	691.0	730.0			QL=2 ST=3 TYP=1
	245	LEAR	43 NS	2244.0	2305.0U	76.0	150.0			QL=2 ST=2 TYP=1
	245	LEAR	43 NS	2244.0	2248.0U	76.0	93.0			QL=2 ST=2 TYP=1
	2804	VORO	1 S	0133.7	0135.0	2.1	64.0			
	245	LEAR	8 S	0134.0	0135.0	2.0	60.0			QL=2 ST=2 TYP=3
	4995	LEAR	4 S/F	0134.0	0135.0	3.0	220.0			QL=2 ST=2 TYP=3
	2695	LEAR	8 S	0134.0	0135.0	2.0	97.0			QL=2 ST=2 TYP=3
	4995	PALE	4 S/F	0134.0	0135.0	3.0	210.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	0134.0	0135.0	3.0	150.0			QL=4 ST=2 TYP=3
	200	HIRA	42 SER	0134.0	0150.0	17.0	50.0			0
	2800	HIRA	8 S	0135.0	0136.0	3.0	110.0			0
	8800	LEAR	8 S	0135.0	0135.0	1.0	130.0			QL=2 ST=2 TYP=3
	15400	LEAR	8 S	0135.0	0135.0	1.0	77.0			QL=2 ST=2 TYP=3
	245	PALE	49 GB	0135.0	0137.0	2.0	510.0			QL=4 ST=2 TYP=6
	2695	PALE	8 S	0135.0	0135.0	1.0	140.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	0135.0	0135.0	1.0	54.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0153.0	0153.0	1.0	87.0			QL=2 ST=2 TYP=3
	2804	VORO	1 S	0223.7	0224.3	1.8	7.1			
	2804	VORO	8 S	0229.4	0229.5	0.2	5.0			
	2804	VORO	3 S	0407.0	0410.0	4.8	5.7			
	204	IZMI	42 SER	0707.8	0710.7	4.6	49.0			
	245	LEAR	8 S	0710.0	0710.0	1.0	120.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0710.0	0710.0	1.0	140.0			QL=2 ST=2 TYP=3
	204	IZMI	42 SER	0715.9	0717.0	1.4	74.0			
	200	HIRA	8 S	0743.0	0743.0	1.0	50.0			0
	245	LEAR	8 S	0743.0	0743.0	U	97.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0743.0	0743.0	U	110.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0743.1	0743.4	0.8	129.0			
	204	IZMI	42 SER	0849.7	0852.0	6.5	105.0			
	245	LEAR	8 S	0851.0	0852.0	2.0	53.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0851.0	0852.0	2.0	53.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0919.9	0921.9	6.4	37.0			
	900	GORK	46 C	0942.2	0942.8U	1.5	197.0D			
	900	GORK	46 C	1001.6	1002.7		10.0			
	900	GORK	46 C	1001.6	1001.8	1.3	20.0			
	33	UPIC	42 SER	1118.0	1150.5	33.0				
	204	IZMI	46 C	1118.6	1121.8	3.6	1040.0			
	245	SGMR	8 S	1121.0	1123.0	2.0	200.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1121.0	1123.0	2.0	230.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	1122.9	1123.2	3.3	138.0			
	204	IZMI	7 C	1149.2	1149.4	0.8	19.0			
	9500	CUBA	21 GRF	1312.0	1421.0	138.0	11.0	5.0		
	6700	CUBA	1 S	1314.0	1314.5	1.1	21.0	10.0		23L
	6700	CUBA	21 GRF	1317.0	1424.0	150.0	24.0	12.0		0L
	9500	CUBA	2 S/F	1317.9	1318.7	1.1	18.0	9.0		
	245	SGMR	8 S	1335.0	1335.0	1.0	130.0			QL=4 ST=3 TYP=3
245	SVTO	8 S	1335.0	1335.0	U	140.0			QL=2 ST=2 TYP=3	
6700	CUBA	1 S	1555.8	1556.2	1.4	8.0	4.0		17R	
2695	PALE	4 S/F	1659.0	1702.0	6.0	99.0			QL=4 ST=2 TYP=3	
245	PALE	49 GB	1659.0	1659.0	1.0	1000.0			QL=4 ST=2 TYP=6	
4995	PALE	8 S	1700.0	1700.0	U	46.0			QL=4 ST=2 TYP=3	
1415	PALE	8 S	1701.0	1702.0	2.0	29.0			QL=4 ST=2 TYP=3	
410	PALE	4 S/F	1726.0	1727.0	3.0	99.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1727.0	1727.0	1.0	76.0			QL=4 ST=3 TYP=3	
6700	CUBA	22 GRF	1727.0	1731.0	12.0	10.0	5.0		31L	
245	SGMR	8 S	1746.0	1746.0	1.0	61.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1813.0	1814.0	1.0	51.0			QL=4 ST=2 TYP=3	
2800	PENT	40 F	1844.0	1849.0	16.0	12.0				
245	PALE	4 S/F	1848.0	1849.0	3.0	330.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1848.0	1849.0	2.0	260.0			QL=4 ST=3 TYP=3	
410	PALE	8 S	1851.0	1851.0	U	62.0			QL=4 ST=2 TYP=3	
6700	CUBA	25 R	1936.8		10.7	37.0	18.0		4R	
9500	CUBA	25 R	1940.0	1945.0	7.8	26.0	13.0			
4995	SGMR	20 GRF	1945.0	1951.0	19.0	49.0			QL=4 ST=2 TYP=2	
2695	PALE	4 S/F	1946.0	1947.0	12.0	85.0			QL=4 ST=2 TYP=3	

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m ² Hz)	Mean			
24	8800	SGMR	20 GRF	1946.0	1955.0	18.0	37.0			QL=4 ST=2 TYP=2	
	2695	SGMR	4 S/F	1946.0	1947.0	18.0	68.0			QL=4 ST=2 TYP=3	
	1415	PALE	8 S	1947.0	1947.0	1.0	51.0			QL=4 ST=2 TYP=3	
	1415	SGMR	4 S/F	1947.0	1951.0	17.0	47.0			QL=4 ST=2 TYP=3	
	610	PALE	49 GB	1949.0	1955.0	13.0	970.0			QL=4 ST=2 TYP=6	
	610	SGMR	49 GB	1949.0	1955.0	15.0	1100.0			QL=4 ST=2 TYP=6	
	15400	SGMR	20 GRF	1952.0	1959.0	12.0	35.0			QL=4 ST=2 TYP=2	
	15400	PALE	8 S	1953.0	1953.0		33.0			QL=4 ST=2 TYP=3	
	235	CUBA	49 GB	1954.8	2102.5	115.0D	561.0				
	280	CUBA	49 GB	1954.8	2102.5	115.0D	4578.0	13.0			
	245	PALE	8 S	2001.0	2001.0		42.0				QL=4 ST=2 TYP=3
	610	PALE	8 S	2008.0	2008.0		10.0				QL=4 ST=2 TYP=3
	245	PALE	8 S	2008.0	2010.0	2.0	34.0				QL=4 ST=2 TYP=3
	1415	PALE	4 S/F	2010.0	2015.0	9.0	73.0				QL=4 ST=2 TYP=3
	4995	PALE	20 GRF	2010.0	2015.0	9.0	51.0				QL=4 ST=2 TYP=2
	2695	PALE	20 GRF	2010.0	2015.0	9.0	71.0				QL=4 ST=2 TYP=2
	245	SGMR	20 GRF	2011.0	2017.0	15.0	140.0				QL=4 ST=2 TYP=2
	410	PALE	4 S/F	2012.0	2017.0	11.0	170.0				QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	2012.0	2017.0	14.0	120.0				QL=4 ST=2 TYP=3
	610	SGMR	48 C	2012.0	2023.0	14.0	190.0				QL=4 ST=2 TYP=8
	4995	SGMR	4 S/F	2014.0	2015.0	12.0	45.0				QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	2014.0	2015.0	12.0	50.0				QL=4 ST=2 TYP=3
	245	PALE	48 C	2025.0	2103.0	111.0	2300.0				QL=4 ST=2 TYP=8
	610	PALE	4 S/F	2026.0	2104.0	79.0	11000.0				QL=4 ST=2 TYP=3
	245	SGMR	48 C	2027.0	2103.0	95.0	2200.0				QL=4 ST=2 TYP=8
	410	PALE	48 C	2027.0	2104.0	100.0	11000.0				QL=4 ST=2 TYP=8
	610	SGMR	48 C	2028.0	2104.0	80.0	11000.0				QL=4 ST=2 TYP=8
	410	SGMR	48 C	2028.0	2104.0	90.0	10000.0				QL=4 ST=2 TYP=8
	2800	PENT	40 F	2034.0	2105.0	97.0	37.0				
	1415	PALE	8 S	2039.0	2040.0	1.0	35.0				QL=4 ST=2 TYP=3
	8800	SGMR	20 GRF	2044.0	2113.0	74.0	56.0				QL=4 ST=2 TYP=2
	4995	SGMR	20 GRF	2044.0	2113.0	74.0	55.0				QL=4 ST=2 TYP=2
	2695	PALE	8 S	2046.0	2048.0	2.0	41.0				QL=4 ST=2 TYP=3
	500	HIRA	47 GB	2047.0	2104.0	64.0	1970.0				SL
	4995	PALE	8 S	2058.0	2100.0	2.0	28.0				QL=4 ST=2 TYP=3
	1415	SGMR	46 C	2059.0	2103.0	59.0	44.0				QL=4 ST=2 TYP=8
	2695	SGMR	20 GRF	2059.0	2105.0	59.0	56.0				QL=4 ST=2 TYP=2
	6700	CUBA	1 S	2112.3	2113.3	1.7	23.0	11.0			8L
	9500	CUBA	1 S	2112.8	2113.2	1.2	17.0	8.0			
	9500	CUBA	1 S	2143.0	2146.1	4.2	22.0	11.0			
	245	SGMR	4 S/F	2202.0	2203.0	14.0	120.0				QL=4 ST=2 TYP=3
	245	PALE	4 S/F	2311.0	2313.0	3.0	270.0				QL=4 ST=2 TYP=3
410	PALE	48 C	2312.0	2315.0	4.0	230.0				QL=4 ST=2 TYP=8	
8800	PALE	4 S/F	2315.0	2317.0	4.0	38.0				QL=4 ST=2 TYP=3	
4995	PALE	8 S	2316.0	2317.0	2.0	22.0				QL=4 ST=2 TYP=3	
2800	PENT	40 F	2347.0	2357.0	49.0	20.0					
2804	VORO	3 S	2351.0	2353.6	6.3	13.3					
2804	VORO	30 PBI	2357.3	2357.3	28.0	6.4					
25	245	SVTO	43 NS	0505.0	0651.0	699.0	300.0			QL=2 ST=2 TYP=1	
	204	IZMI	44 NS	0600.0E		360.0D		80.0			
	127	TORN	44 NS	0700.0E		480.0D		40.0		V=1	
	245	SGMR	43 NS	1140.0	1816.0	648.0	790.0			QL=4 ST=2 TYP=1	
	235	CUBA	44 NS	1300.0E		530.0D		25.0			
	280	CUBA	44 NS	1300.0E		530.0D		42.0			
	410	SGMR	43 NS	1720.0	1817.0	111.0	180.0				QL=4 ST=2 TYP=1
	245	PALE	43 NS	1729.0	0000.0U	391.0	200.0				QL=4 ST=3 TYP=1
	410	PALE	43 NS	1735.0	0000.0U	385.0	100.0				QL=4 ST=3 TYP=1
	245	LEAR	43 NS	2245.0	0637.0	688.0	810.0				QL=2 ST=2 TYP=1
	500	HIRA	8 S	0014.0	0014.0	1.0	45.0				0
	2804	VORO	46 C	0014.0	0014.4	2.5	4.4				
	245	PALE	8 S	0040.0	0041.0	2.0	370.0				QL=4 ST=2 TYP=3
	245	PALE	49 GB	0105.0	0106.0	3.0	810.0				QL=4 ST=2 TYP=6
	2804	VORO	23 GRF	0231.8	0249.0	120.0	2.8				
	2804	VORO	2 S/F	0245.0	0246.5	2.5	6.4				
	8800	LEAR	4 S/F	0346.0	0347.0	6.0	69.0				QL=2 ST=2 TYP=3
15400	LEAR	8 S	0346.0	0347.0	2.0	42.0				QL=2 ST=2 TYP=3	
2804	VORO	3 S	0346.0	0347.8	3.7	7.5					
2804	VORO	46 C	0413.1	0417.2	17.0	165.0					

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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			
25	4995	LEAR	4 S/F	0414.0	0417.0	9.0	480.0			QL=2 ST=2 TYP=3	
	2800	HIRA	3 S	0414.0	0418.0	12.0	140.0			0	
	8800	LEAR	49 GB	0414.0	0417.0	10.0	610.0			QL=2 ST=2 TYP=6	
	2695	LEAR	4 S/F	0415.0	0417.0	5.0	170.0			QL=2 ST=2 TYP=3	
	15400	LEAR	4 S/F	0415.0	0417.0	6.0	190.0			QL=2 ST=2 TYP=3	
	2695	PALE	4 S/F	0415.0	0418.0	5.0	160.0			QL=4 ST=2 TYP=3	
	4995	PALE	4 S/F	0415.0	0417.0	5.0	460.0			QL=4 ST=2 TYP=3	
	8800	PALE	49 GB	0416.0	0417.0	3.0	520.0			QL=4 ST=2 TYP=6	
	245	LEAR	49 GB	0445.0	0446.0	1.0	4600.0			QL=2 ST=2 TYP=6	
	1415	LEAR	48 C	0458.0	0501.0	3.0	130.0			QL=2 ST=2 TYP=8	
	610	LEAR	8 S	0501.0	0501.0		46.0		U	QL=2 ST=2 TYP=3	
	2950	GORK	21 GRF	0827.0	0840.0	43.2	5.6				
	9100	GORK	23 GRF	0845.6	0902.3		18.0				
	9100	GORK	23 GRF	0845.6	0849.8	19.0	22.0				
	900	GORK	4 S/F	0847.4	0848.3	3.6	4.5				
	2950	GORK	46 C	0847.6	0850.0		4.7				
	2950	GORK	46 C	0847.6	0848.5	3.3	7.5				
	3000	IZMI	22 GRF	0847.8	0848.5	3.1	12.0	5.0			
	2950	GORK	1 S	0901.0E	0902.4	2.9D	5.6				
	900	GORK	4 S/F	0902.0E	0902.4	2.2D	14.0				
	900	GORK	4 S/F	0905.6	0906.1	1.8	6.8				
	410	LEAR	8 S	0917.0	0917.0		160.0				QL=2 ST=2 TYP=3
	410	SVTO	8 S	0917.0	0917.0		100.0			U	QL=2 ST=2 TYP=3
	9100	GORK	46 C	1028.5	1030.2		13.0				
	9100	GORK	46 C	1028.5	1028.9	2.6	10.0				
	2950	GORK	25 R	1032.0	1043.4	16.0D	9.4				
	3000	IZMI	22 GRF	1033.6	1034.5	13.0	17.0	6.0			
	2950	GORK	4 S/F	1034.0	1034.6	4.6	9.4				
	9100	GORK	4 S/F	1035.2	1035.4	3.5	13.0				
	3000	IZMI	46 C	1105.1	1115.8	17.9	241.0				
	410	SVTO	4 S/F	1106.0	1112.0	7.0	160.0				QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1106.0	1113.0	7.0	37.0				QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1106.0	1115.0	18.0	340.0				QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	1107.0	1112.0	6.0	160.0				QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	1107.0	1108.0	4.0	55.0				QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1107.0	1112.0	6.0	26.0				QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1107.0	1112.0	6.0	470.0				QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	1107.0	1107.0	19.0	47.0				QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	1107.0	1108.0	19.0	60.0				QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	1107.0	1107.0	19.0	130.0				QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1108.0	1109.0	18.0	25.0				QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1109.0	1115.0	13.0	400.0				QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1110.0	1115.0	13.0	390.0				QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1111.0	1115.0	8.0	720.0				QL=2 ST=2 TYP=6
	1415	SVTO	4 S/F	1111.0	1116.0	8.0	310.0				QL=4 ST=3 TYP=3
	8800	SVTO	4 S/F	1111.0	1115.0	8.0	380.0				QL=4 ST=3 TYP=3
	610	SVTO	4 S/F	1111.0	1116.0	7.0	280.0				QL=4 ST=3 TYP=3
	4995	SVTO	4 S/F	1111.0	1115.0	8.0	310.0				QL=4 ST=3 TYP=3
	2695	SVTO	4 S/F	1111.0	1115.0	8.0	210.0				QL=4 ST=3 TYP=3
	245	SVTO	4 S/F	1111.0	1112.0	6.0	470.0				QL=4 ST=3 TYP=3
15400	SVTO	4 S/F	1111.0	1115.0	8.0	360.0				QL=4 ST=3 TYP=3	
410	SVTO	49 GB	1111.0	1115.0	8.0	1400.0				QL=4 ST=3 TYP=6	
245	SGMR	48 C	1111.0	1115.0	11.0	350.0				QL=2 ST=2 TYP=8	
204	IZMI	45 C	1111.8	1112.2	1.6	273.0					
1415	SVTO	4 S/F	1112.0	1116.0	6.0	300.0				QL=4 ST=2 TYP=3	
15400	SVTO	4 S/F	1112.0	1115.0	6.0	350.0				QL=4 ST=2 TYP=3	
610	SVTO	4 S/F	1112.0	1116.0	6.0	190.0				QL=4 ST=2 TYP=3	
4995	SVTO	4 S/F	1112.0	1115.0	6.0	290.0				QL=4 ST=2 TYP=3	
8800	SVTO	4 S/F	1112.0	1115.0	6.0	360.0				QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	1112.0	1115.0	10.0	290.0				QL=2 ST=2 TYP=3	
8800	SGMR	4 S/F	1112.0	1115.0	10.0	400.0				QL=2 ST=2 TYP=3	
1415	SGMR	4 S/F	1112.0	1116.0	10.0	280.0				QL=2 ST=2 TYP=3	
2695	SGMR	4 S/F	1112.0	1115.0	10.0	220.0				QL=2 ST=2 TYP=3	
245	SVTO	4 S/F	1112.0	1112.0	14.0	500.0				QL=4 ST=2 TYP=3	
15400	SGMR	4 S/F	1114.0	1115.0	5.0	340.0				QL=2 ST=2 TYP=3	
610	SGMR	4 S/F	1114.0	1116.0	3.0	94.0				QL=2 ST=2 TYP=3	
2695	SVTO	4 S/F	1114.0	1115.0	4.0	190.0				QL=4 ST=2 TYP=3	
410	SVTO	49 GB	1114.0	1115.0	2.0	1300.0				QL=4 ST=2 TYP=6	
204	IZMI	46 C	1114.2	1115.2	2.4	3882.0					

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Mar 01

MARCH 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			
25	33	UPIC	46 C	1115.0	1117.0	5.0					
	245	SVTO	8 S	1119.0	1120.0	1.0	1.0			QL=4 ST=2 TYP=3	
	410	SGMR	8 S	1129.0	1129.0	1.0	230.0			QL=4 ST=2 TYP=3	
	410	SVTO	4 S/F	1129.0	1135.0	6.0	420.0			QL=4 ST=3 TYP=3	
	245	SGMR	8 S	1135.0	1135.0	1.0	190.0			QL=4 ST=2 TYP=3	
	410	SGMR	8 S	1135.0	1135.0	1.0	260.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	1135.0	1135.0	U	170.0			QL=4 ST=3 TYP=3	
	410	SVTO	8 S	1135.0	1135.0	U	420.0			QL=4 ST=3 TYP=3	
	204	IZMI	7 C	1135.5	1135.5	0.3	186.0				
	8800	SVTO	49 GB	1351.0	1352.0	2.0	3000.0				QL=4 ST=2 TYP=6
	610	SGMR	8 S	1359.0	1359.0	2.0	37.0				QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1359.0	1359.0	2.0	75.0				QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1359.0	1359.0	2.0	4200.0				QL=4 ST=2 TYP=6
	245	SGMR	49 GB	1359.0	1359.0	2.0	4600.0				QL=4 ST=2 TYP=6
	410	SVTO	49 GB	1359.0	1359.0	1.0	3600.0				QL=4 ST=2 TYP=6
	245	SVTO	49 GB	1359.0	1359.0	1.0	3700.0				QL=4 ST=2 TYP=6
	245	SVTO	8 S	1427.0	1427.0	U	450.0				QL=4 ST=2 TYP=3
	2800	PENT	40 F	1621.0		126.0					
	6700	CUBA	21 GRF	1626.0	1649.0	122.0	25.0	12.0			15L
	9500	CUBA	21 GRF	1627.0	1642.0	79.0	20.0	10.0			
	235	CUBA	48 C	1628.0	1800.0	222.0	398.0	199.0			
	280	CUBA	48 C	1628.0	1800.0	222.0	780.0				
	410	SVTO	4 S/F	1632.0E	1637.0	5.0D	110.0				QL=2 ST=2 TYP=3
	410	SGMR	48 C	1632.0	1656.0	49.0	820.0				QL=4 ST=2 TYP=8
	245	SVTO	8 S	1633.0E	1633.0	U	72.0				QL=2 ST=2 TYP=3
	1415	SGMR	20 GRF	1635.0	1656.0	46.0	140.0				QL=4 ST=2 TYP=2
	9500	CUBA	45 C	1635.1	1637.8	5.0	40.0	20.0			
	610	SGMR	48 C	1637.0	1650.0	44.0	240.0				QL=4 ST=2 TYP=8
	15400	SGMR	20 GRF	1637.0	1643.0	44.0	42.0				QL=4 ST=2 TYP=2
	4995	SGMR	4 S/F	1637.0	1638.0	44.0	65.0				QL=4 ST=2 TYP=3
	2695	SGMR	20 GRF	1637.0	1638.0	44.0	170.0				QL=4 ST=2 TYP=2
	8800	SGMR	4 S/F	1637.0	1637.0	44.0	82.0				QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1637.3	1638.8	1.9	27.0	13.0			7L
	245	SGMR	48 C	1640.0	1659.0	41.0	780.0				QL=4 ST=2 TYP=8
	410	PALE	48 C	1648.0	1658.0	37.0	1100.0				QL=4 ST=2 TYP=8
	610	PALE	48 C	1649.0	1658.0	21.0	230.0				QL=4 ST=2 TYP=8
	1415	PALE	8 S	1655.0	1655.0	2.0	70.0				QL=4 ST=2 TYP=3
	245	PALE	49 GB	1656.0	1659.0	29.0	720.0				QL=4 ST=2 TYP=6
	2695	PALE	8 S	1702.0	1703.0	1.0	58.0				QL=4 ST=2 TYP=3
	410	PALE	48 C	1742.0	1749.0	8.0	350.0				QL=4 ST=2 TYP=8
	610	PALE	4 S/F	1742.0	1750.0	10.0	49.0				QL=4 ST=2 TYP=3
	245	PALE	48 C	1743.0	1749.0	7.0	1000.0				QL=4 ST=2 TYP=8
6700	CUBA	40 F	2010.0	2014.2	11.0	49.0	24.0			48L	
1415	PALE	48 C	2013.0	2016.0	4.0	140.0				QL=4 ST=2 TYP=8	
2695	SGMR	4 S/F	2013.0	2015.0	5.0	61.0				QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	2013.0	2014.0	5.0	49.0				QL=4 ST=2 TYP=3	
1415	SGMR	4 S/F	2013.0	2016.0	5.0	140.0				QL=4 ST=2 TYP=3	
610	PALE	8 S	2014.0	2014.0	1.0	260.0				QL=4 ST=2 TYP=3	
2695	PALE	8 S	2014.0	2014.0	U	58.0				QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	2014.0	2014.0	4.0	230.0				QL=4 ST=2 TYP=3	
8800	SGMR	4 S/F	2014.0	2016.0	4.0	46.0				QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	2044.0	2051.0	36.0	7.0					
26	245	SVTO	43 NS	0503.0	0527.0U	1137.0	310.0			QL=2 ST=1 TYP=1	
	245	SVTO	43 NS	0503.0	0643.0U	1137.0	880.0			QL=2 ST=1 TYP=1	
	245	SVTO	43 NS	0503.0	0523.0U	1137.0	220.0			QL=2 ST=1 TYP=1	
	410	SVTO	43 NS	0550.0	0634.0	96.0	91.0			QL=2 ST=2 TYP=1	
	204	IZMI	44 NS	0600.0E		360.0D		200.0			
	127	TORN	44 NS	0700.0E		480.0D		130.0			V=1
	410	LEAR	43 NS	0904.0	0908.0	68.0	240.0				QL=2 ST=2 TYP=1
	245	SGMR	43 NS	1134.0	1934.0	646.0	380.0				QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1300.0E		530.0D		49.0			
	280	CUBA	44 NS	1300.0E		530.0D		79.0			
	410	SVTO	43 NS	1431.0	1440.0	66.0	160.0				QL=2 ST=2 TYP=1
	410	SGMR	43 NS	1645.0	1648.0	15.0	110.0				QL=4 ST=2 TYP=1
	245	PALE	43 NS	1647.0	1648.0U	433.0	130.0				QL=4 ST=1 TYP=1
	245	PALE	43 NS	1647.0	1934.0U	433.0	420.0				QL=4 ST=1 TYP=1
	245	PALE	43 NS	1647.0	1705.0U	433.0	250.0				QL=4 ST=1 TYP=1
	410	SGMR	43 NS	2141.0	2145.0	39.0	150.0				QL=4 ST=2 TYP=1

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MARCH 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	410	PALE	43 NS	2240.0	2242.0	106.0	75.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2245.0	0742.0	687.0	430.0			QL=2 ST=2 TYP=1
	2804	VORO	23 GRF	0230.0	0235.0	85.0	14.8			
	2804	VORO	40 F	0235.6	0237.8	2.6	23.0			
	2950	GORK	4 S/F	0519.7	0521.9	3.7	13.0			
	204	IZMI	25 R	0613.5		44.5		1236.0		
	410	LEAR	8 S	0616.0	0617.0	2.0	49.0			QL=2 ST=2 TYP=3
	245	LEAR	49 GB	0617.0	0622.0	6.0	1100.0			QL=2 ST=2 TYP=6
	245	SVTO	49 GB	0620.0E	0622.0	3.0D	1700.0			QL=2 ST=2 TYP=6
	204	IZMI	7 C	0847.9	0848.0	0.2	366.0			
	204	IZMI	25 R	1000.2		13.8		494.0		
	610	SVTO	48 C	1004.0	1006.0	4.0	330.0			QL=2 ST=3 TYP=8
	4995	SVTO	8 S	1004.0	1005.0	2.0	36.0			QL=4 ST=2 TYP=3
	610	SVTO	48 C	1004.0	1006.0	4.0	130.0			QL=2 ST=3 TYP=8
	3000	IZMI	7 C	1004.4	1005.4	2.9	33.0	14.0		
	2695	SVTO	8 S	1005.0	1005.0	1.0	28.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	1017.2	1019.2	6.2	13.0	6.0		
	610	SVTO	8 S	1026.0	1026.0	1.0	42.0			QL=2 ST=2 TYP=3
	4995	SVTO	8 S	1026.0	1026.0	1.0	12.0			QL=4 ST=3 TYP=3
	2695	SVTO	8 S	1026.0	1026.0	1.0	24.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1026.0	1026.0	1.0	64.0			QL=2 ST=2 TYP=3
	204	IZMI	45 C	1026.6	1026.7	0.4	2419.0			
	3000	IZMI	7 C	1026.6	1026.8	1.0	21.0	7.0		
	3000	IZMI	40 F	1048.2	1048.5	6.4	9.0	3.0		
	204	IZMI	25 R	1059.5		2.8		143.0		
	33	UPIC	46 C	1304.0	1310.0	9.0				
	6700	CUBA	21 GRF	1304.0	1328.0	77.0	44.0	22.0		3L
	245	SGMR	8 S	1307.0	1307.0	1.0	190.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1309.0	1313.0	42.0	42.0			QL=4 ST=2 TYP=3
	15400	SGMR	20 GRF	1309.0	1327.0	59.0	55.0			QL=4 ST=2 TYP=2
	8800	SGMR	20 GRF	1309.0	1326.0	59.0	63.0			QL=4 ST=2 TYP=2
	4995	SGMR	20 GRF	1309.0	1314.0	50.0	57.0			QL=4 ST=2 TYP=2
	610	SGMR	48 C	1312.0	1323.0	16.0	75.0			QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1312.0	1320.0	13.0	86.0			QL=4 ST=2 TYP=8
	410	SGMR	20 GRF	1312.0	1314.0	16.0	37.0			QL=4 ST=2 TYP=2
	6700	CUBA	2 S/F	1312.4	1314.0	2.8	12.0	6.0		9L
	33	UPIC	31 ABS	1313.0	1320.0	35.0				
	1415	SVTO	8 S	1320.0	1320.0	2.0	93.0			QL=4 ST=2 TYP=3
	9500	CUBA	20 GRF	1330.0E	1330.0	36.0D	36.0	18.0		
	410	SGMR	8 S	1425.0	1425.0	U	53.0			QL=4 ST=2 TYP=3
	6700	CUBA	20 GRF	1430.0	1438.0	14.0	17.0	8.0		19L
	410	SGMR	4 S/F	1451.0	1452.0	3.0	73.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1452.0	1452.0	2.0	44.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1504.0	1505.0	2.0	40.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1505.0	1505.0	1.0	69.0			QL=4 ST=2 TYP=3
610	SGMR	4 S/F	1514.0	1516.0	6.0	75.0			QL=4 ST=2 TYP=3	
410	SGMR	49 GB	1632.0	1640.0	13.0	1000.0			QL=4 ST=2 TYP=6	
6700	CUBA	21 GRF	1809.0	2034.0	267.0D	51.0	25.0		4L SUNSET	
9500	CUBA	21 GRF	1810.0	2037.0	170.0	23.0	11.0			
6700	CUBA	1 S	1811.3	1812.0	1.2	12.0	6.0		20L	
9500	CUBA	1 S	1811.6	1811.9	1.2	11.0	5.0			
6700	CUBA	1 S	1923.6	1923.7	0.3	21.0	10.0		18L	
4995	SGMR	4 S/F	2007.0	2010.0	17.0	63.0			QL=4 ST=2 TYP=3	
8800	SGMR	4 S/F	2008.0	2010.0	16.0	40.0			QL=4 ST=2 TYP=3	
6700	CUBA	2 S/F	2008.2	2010.2	5.6	26.0	13.0		46L	
2695	SGMR	4 S/F	2009.0	2010.0	15.0	27.0			QL=4 ST=2 TYP=3	
1415	SGMR	4 S/F	2009.0	2010.0	15.0	31.0			QL=4 ST=2 TYP=3	
15400	SGMR	20 GRF	2010.0	2023.0	14.0	17.0			QL=4 ST=2 TYP=2	
610	SGMR	4 S/F	2010.0	2013.0	10.0	13.0			QL=4 ST=2 TYP=3	
410	SGMR	4 S/F	2010.0	2013.0	14.0	39.0			QL=4 ST=2 TYP=3	
6700	CUBA	1 S	2034.0	2034.4	3.2	31.0	15.0		6R	
9500	CUBA	1 S	2036.0	2037.2	2.0	23.0	11.0			
410	SGMR	8 S	2133.0	2133.0	U	81.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	2136.0	2136.0	1.0	81.0			QL=4 ST=2 TYP=3	
410	PALE	48 C	2232.0	2235.0	6.0	520.0			QL=4 ST=2 TYP=8	
410	LEAR	8 S	2259.0	2300.0	1.0	200.0			QL=2 ST=2 TYP=3	
27	410	PALE	43 NS	0214.0	0218.0	1306.0	60.0			QL=4 ST=1 TYP=1
	410	SVTO	43 NS	0502.0	0735.0	172.0	150.0			QL=4 ST=2 TYP=1

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Mar 01

MARCH 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		
27	245	SVTO	43 NS	0502.0	0937.0	704.0	610.0			QL=4 ST=2 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		320.0		
	127	TORN	44 NS	0700.0E		480.0D		140.0		V=0
	33	UPIC	43 NS	0848.0		190.0				
	410	SVTO	43 NS	0912.0	0912.0	145.0	240.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1110.0	2151.0U	670.0	490.0			QL=4 ST=2 TYP=1
	410	SVTO	43 NS	1456.0	1507.0	110.0	130.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1600.0E		350.0D		43.0		
	280	CUBA	44 NS	1600.0E		350.0D		54.0		
	410	PALE	43 NS	1653.0	1922.0	151.0	120.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	2120.0	2125.0	26.0	170.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2246.0	1001.0	686.0	460.0			QL=2 ST=2 TYP=1
	2800	PENT	20 GRF	0039.0	0049.0	21.0	15.0			
	2804	VORO	23 GRF	0042.5	0047.5	120.0	14.7			
	15400	LEAR	4 S/F	0221.0	0225.0	6.0	44.0			QL=2 ST=2 TYP=3
	4995	LEAR	4 S/F	0223.0	0225.0	6.0	110.0			QL=2 ST=2 TYP=3
	2804	VORO	46 C	0223.1	0233.1	10.0	40.5			
	2804	VORO	46 C	0223.1	0225.3	6.6	28.8			
	200	HIRA	47 GB	0224.0	0225.0	3.0	1130.0			WR
	4995	PALE	4 S/F	0224.0	0225.0	4.0	130.0			QL=4 ST=2 TYP=3
	2800	HIRA	7 C	0224.0	0233.0	13.0	55.0			0
	1415	LEAR	8 S	0225.0	0225.0	U	46.0			QL=2 ST=2 TYP=3
	245	LEAR	49 GB	0225.0	0225.0	1.0	1400.0			QL=2 ST=2 TYP=6
	8800	PALE	8 S	0225.0	0225.0	1.0	120.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0225.0	0225.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	0225.0	0225.0	1.0	1700.0			QL=4 ST=2 TYP=6
	500	HIRA	7 C	0225.0	0230.0	15.0	25.0			0
	2695	PALE	4 S/F	0232.0	0232.0	4.0	99.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0233.0	0233.0	U	68.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0242.0	0243.0	2.0	85.0			QL=2 ST=2 TYP=3
	8800	LEAR	4 S/F	0242.0	0243.0	4.0	89.0			QL=2 ST=2 TYP=3
	2804	VORO	1 S	0412.2	0412.8	1.2	6.3			
	500	HIRA	7 C	0544.0	0548.0	7.0	75.0			ML
	245	LEAR	49 GB	0548.0	0548.0	1.0	750.0			QL=2 ST=2 TYP=6
	245	SVTO	49 GB	0548.0	0548.0	1.0	840.0			QL=2 ST=2 TYP=6
	410	SVTO	49 GB	0548.0	0548.0	1.0	630.0			QL=2 ST=2 TYP=6
	2950	GORK	20 GRF	0620.0	0658.4	73.0	20.0			
	9100	GORK	1 S	0716.0	0716.2	0.5	7.7			
	2950	GORK	25 R	0741.5	0939.0U	117.5D	60.0			
	3000	IZMI	7 C	0752.6	0755.1	4.3	46.0	15.0		
	2950	GORK	4 S/F	0754.0	0755.1	5.3	36.0			
	9100	GORK	25 R	0833.0	0939.0U	66.0U	35.0			
	410	LEAR	48 C	0904.0	0908.0	896.0	240.0			QL=2 ST=1 TYP=8
	410	LEAR	4 S/F	0904.0	0905.0	896.0	230.0			QL=2 ST=1 TYP=3
	9100	GORK	46 C	0904.0	0906.2	7.0	17.0			
9100	GORK	46 C	0904.0	0910.4		12.0				
410	SVTO	49 GB	0915.0	0916.0	1.0	1000.0			QL=2 ST=2 TYP=6	
9100	GORK	1 S	0915.5	0915.8	0.9	13.0				
900	GORK	4 S/F	0917.1	0918.7	2.5	13.0				
3000	IZMI	20 GRF	0917.1	0925.8	10.2	27.0	12.0			
610	SVTO	20 GRF	0919.0	0926.0	10.0	120.0			QL=2 ST=2 TYP=2	
245	LEAR	49 GB	0922.0	0922.0	4.0	530.0			QL=2 ST=2 TYP=6	
245	SVTO	49 GB	0922.0	0922.0	4.0	890.0			QL=2 ST=2 TYP=6	
410	SVTO	48 C	0922.0	0925.0	8.0	530.0			QL=2 ST=2 TYP=8	
9100	GORK	1 S	0922.0	0925.2	6.3	10.0				
2950	GORK	4 S/F	0922.0	0924.9	6.7	16.0				
900	GORK	46 C	0922.1	0925.3	12.1	54.0				
900	GORK	46 C	0922.1	0927.8		54.0				
1415	SVTO	4 S/F	0924.0	0926.0	3.0	49.0			QL=4 ST=2 TYP=3	
204	IZMI	41 F	1147.2	1147.5	1.3	159.0	33.0			
6700	CUBA	21 GRF	1420.0	1549.0	186.0	28.0	14.0		0L	
9500	CUBA	2 S/F	1425.3	1427.2	5.9	25.0	12.0			
9500	CUBA	21 GRF	1436.0	1548.0	156.0	24.0	12.0			
6700	CUBA	46 C	1444.5	1449.8	9.5	154.0	77.0		13L	
410	SVTO	48 C	1446.0	1451.0	6.0	200.0			QL=2 ST=3 TYP=8	
9500	CUBA	4 S/F	1446.0	1449.8	7.8	80.0	40.0			
4995	SVTO	4 S/F	1447.0	1449.0	5.0	84.0			QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	1447.0	1449.0	27.0	130.0			QL=4 ST=2 TYP=3	
610	SGMR	48 C	1447.0	1452.0	27.0	51.0			QL=4 ST=2 TYP=8	

S O L A R R A D I O E M I S S I O N
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MARCH 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		
27	8800	SGMR	4 S/F	1447.0	1449.0	27.0	150.0			QL=4 ST=2 TYP=3
	1415	SGMR	46 C	1447.0	1450.0	27.0	40.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	1447.0	1507.0	27.0	130.0			QL=4 ST=2 TYP=8
	2695	SGMR	46 C	1447.0	1449.0	27.0	33.0			QL=4 ST=2 TYP=8
	33	UPIC	46 C	1448.0	1449.0	2.5				
	15400	SGMR	4 S/F	1448.0	1449.0	26.0	68.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1449.0	1449.0	1.0	45.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1449.0	1449.0	1.0	92.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1449.0	1450.0	1.0	32.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1449.0	1449.0	1.0	22.0			QL=4 ST=2 TYP=3
	9500	CUBA	4 S/F	1625.4	1629.2	5.3	291.0	145.0		
	2800	PENT	41 F	1626.0	1629.0	6.0U	158.0			
	410	SGMR	4 S/F	1627.0	1627.0	8.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1627.0	1627.0	2.0	180.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	1627.0	1627.0	2.0	270.0			QL=2 ST=2 TYP=3
	2695	SVTO	4 S/F	1627.0	1629.0	3.0	200.0			QL=2 ST=2 TYP=3
	8800	SVTO	4 S/F	1627.0	1629.0	3.0	500.0			QL=2 ST=2 TYP=3
	6700	CUBA	4 S/F	1627.2	1629.2	2.9	360.0	180.0		
	2695	SGMR	4 S/F	1628.0	1629.0	7.0	230.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1628.0	1629.0	7.0	240.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1628.0	1629.0	7.0	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	49 GB	1628.0	1629.0	7.0	690.0			QL=4 ST=2 TYP=6
	15400	SGMR	49 GB	1628.0	1629.0	7.0	1300.0			QL=4 ST=2 TYP=6
	1415	SGMR	4 S/F	1628.0	1629.0	7.0	150.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1628.0	1629.0	1.0	140.0			QL=2 ST=2 TYP=3
	15400	SVTO	49 GB	1628.0	1629.0	1.0	1000.0			QL=2 ST=2 TYP=6
	245	SGMR	4 S/F	1629.0	1629.0	6.0	400.0			QL=2 ST=2 TYP=3
	1415	SVTO	8 S	1629.0	1629.0	1.0	140.0			QL=4 ST=2 TYP=3
	9500	CUBA	1 S	1758.4	1759.0	1.6	16.0	8.0		
	6700	CUBA	21 GRF	1820.0	1920.0	85.0	24.0	12.0		
	9500	CUBA	21 GRF	1823.0	1919.0	78.0	32.0	16.0		
	6700	CUBA	2 S/F	1826.1	1828.2	4.5	22.0	11.0		
	8800	SGMR	4 S/F	1827.0	1828.0	4.0	43.0			QL=4 ST=2 TYP=3
	2800	PENT	21 GRF	1845.0	1913.0	47.0U	9.0			
	9500	CUBA	21 GRF	1857.0	1919.8	45.0	31.0	15.0		
	9500	CUBA	2 S/F	1900.6	1903.3	3.6	22.0	11.0		
	9500	CUBA	21 GRF	1911.0	1919.0	27.0	22.0	11.0		
	15400	PALE	4 S/F	1917.0	1921.0	6.0	48.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	1919.0	1921.0	5.0	56.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1921.0	1922.0	2.0	58.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1924.0	1924.0	U	84.0			QL=4 ST=2 TYP=3
	9500	CUBA	21 GRF	2011.0	2028.0	132.0	24.0	12.0		
	9500	CUBA	2 S/F	2011.8	2013.5	2.3	18.0	9.0		
	6700	CUBA	21 GRF	2013.0	2029.0	137.0D	30.0	15.0		
	9500	CUBA	1 S	2015.0	2015.8	1.2	26.0	13.0		
9500	CUBA	2 S/F	2023.2	2024.9	4.3	49.0	24.0			
8800	PALE	8 S	2025.0	2026.0	1.0	45.0			QL=4 ST=2 TYP=3	
15400	PALE	8 S	2025.0	2026.0	1.0	44.0			QL=4 ST=2 TYP=3	
4995	PALE	8 S	2025.0	2026.0	1.0	26.0			QL=4 ST=2 TYP=3	
410	PALE	4 S/F	2025.0	2026.0	5.0	52.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	2025.0	2026.0	2.0	49.0			QL=4 ST=2 TYP=3	
6700	CUBA	2 S/F	2025.5	2025.9	1.1	38.0	19.0			
9500	CUBA	1 S	2027.5	2028.2	1.4	16.0	8.0			
2800	PENT	40 F	2048.0	2111.0	50.0	12.0				
500	HIRA	42 SER	2108.0	2114.0	18.0	70.0			WL	
200	HIRA	42 SER	2109.0	2111.0	9.0	370.0			0	
245	SGMR	4 S/F	2109.0	2110.0	3.0	490.0			QL=2 ST=2 TYP=3	
410	SGMR	8 S	2110.0	2110.0	2.0	62.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	2111.0	2111.0	1.0	50.0			QL=4 ST=2 TYP=3	
410	SGMR	4 S/F	2114.0	2114.0	3.0	64.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	2114.0	2117.0	3.0	280.0			QL=2 ST=2 TYP=3	
610	SGMR	46 C	2114.0	2117.0	3.0	36.0			QL=4 ST=2 TYP=8	
2800	PENT	1 S	2145.0	2152.0	45.0	4.0				
245	SGMR	8 S	2213.0	2213.0	1.0	86.0			QL=2 ST=2 TYP=3	
410	SGMR	8 S	2213.0	2213.0	1.0	71.0			QL=2 ST=2 TYP=3	
2804	VORO	3 S	2255.2	2258.5	6.2	8.5				
200	HIRA	47 GB	2301.0	2301.0	1.0	785.0			SR	
245	PALE	49 GB	2301.0	2301.0	1.0	4000.0			QL=4 ST=2 TYP=6	
15400	LEAR	4 S/F	2311.0	2313.0	5.0	55.0			QL=2 ST=2 TYP=3	

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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		
27	2800	PENT	40 F	2352.0	0049.0	60.0	14.0			
28	410	PALE	43 NS	0214.0	0218.0	11.0	60.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0500.0	1148.0	707.0	1000.0			QL=4 ST=2 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		360.0		
	127	TORN	44 NS	0700.0E		480.0D		270.0		V=0
	410	SVTO	43 NS	0805.0	1221.0	522.0	730.0			QL=4 ST=2 TYP=1
	33	UPIC	43 NS	0808.0		472.0				
	245	SGMR	43 NS	1103.0	1214.0	684.0	1400.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1118.0	1137.0	669.0	280.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1340.0E		490.0D		92.0		
	280	CUBA	44 NS	1340.0E		490.0D		112.0		
	410	PALE	43 NS	1646.0	0054.0	612.0	320.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	1646.0	0054.0	703.0	1000.0			QL=4 ST=2 TYP=1
	410	LEAR	43 NS	2234.0	0053.0	278.0	150.0			QL=2 ST=2 TYP=1
	245	LEAR	43 NS	2246.0	2348.0	685.0	740.0			QL=2 ST=2 TYP=1
	410	LEAR	43 NS	2334.0	0053.0	218.0	150.0			QL=2 ST=3 TYP=1
	410	PALE	4 S/F	0025.0	0028.0	4.0	210.0			QL=4 ST=2 TYP=3
	2804	VORO	3 S	0025.0	0028.1	6.2	7.7			
	500	HIRA	3 S	0026.0	0028.0	3.0	85.0			MR
	8800	LEAR	8 S	0048.0	0049.0	1.0	53.0			QL=2 ST=2 TYP=3
	2804	VORO	2 S/F	0048.5	0049.2	1.8	20.7			
	500	HIRA	8 S	0049.0	0049.0	1.0	45.0			WL
	200	HIRA	47 GB	0049.0	0049.0	1.0	990.0			SR
	410	PALE	8 S	0049.0	0049.0	U	300.0			QL=4 ST=2 TYP=3
	2804	VORO	23 GRF	0120.0	0124.8	180.0	10.7			
	500	HIRA	3 S	0156.0	0200.0	7.0	110.0			WR
	200	HIRA	7 C	0156.0	0159.0	3.0	250.0			WR
	15400	LEAR	8 S	0156.0	0156.0	U	47.0			QL=2 ST=2 TYP=3
	2804	VORO	2 S/F	0156.2	0159.5	7.5	35.0			
	8800	LEAR	8 S	0157.0	0158.0	2.0	62.0			QL=2 ST=2 TYP=3
	4995	LEAR	8 S	0158.0	0159.0	2.0	53.0			QL=2 ST=2 TYP=3
	410	LEAR	4 S/F	0158.0	0200.0	3.0	160.0			QL=2 ST=2 TYP=3
	1415	LEAR	8 S	0158.0	0159.0	2.0	160.0			QL=2 ST=2 TYP=3
	1415	PALE	8 S	0158.0	0159.0	2.0	200.0			QL=4 ST=2 TYP=3
	410	PALE	49 GB	0158.0	0201.0	4.0	560.0			QL=4 ST=2 TYP=6
	245	LEAR	8 S	0159.0	0159.0	1.0	380.0			QL=2 ST=2 TYP=3
	610	LEAR	8 S	0159.0	0159.0	1.0	58.0			QL=2 ST=2 TYP=3
	245	PALE	49 GB	0159.0	0200.0	1.0	1000.0			QL=4 ST=2 TYP=6
	610	PALE	8 S	0159.0	0159.0	1.0	130.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0250.0	0252.0	2.0	100.0			QL=2 ST=2 TYP=3
	2804	VORO	40 F	0250.0	0250.8	1.6	20.5			
	2804	VORO	2 S/F	0355.6	0356.0	1.4	9.5			
	245	LEAR	49 GB	0356.0	0356.0	1.0	1200.0			QL=2 ST=2 TYP=6
	900	GORK	4 S/F	0618.2	0619.6	2.3	26.0			
	8800	SVTO	4 S/F	0631.0	0632.0	4.0	51.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0631.0	0632.0	2.0	32.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0633.0	0634.0	1.0	24.0			QL=4 ST=2 TYP=3
	9100	GORK	46 C	0730.2	0731.3		8.0			
	9100	GORK	46 C	0730.2	0730.5	1.4	11.0			
	9100	GORK	1 S	0739.0	0739.2	0.5	8.0			
	9100	GORK	1 S	0749.1	0750.1	1.9	25.0			
	9100	GORK	30 PBI	0751.0	0751.0	3.0	13.0			
	9100	GORK	1 S	0753.0	0753.4	0.7	6.4			
	2950	GORK	21 GRF	0800.0	0916.8	96.0D	62.0			
	245	SVTO	49 GB	0809.0	0809.0	1.0	750.0			QL=2 ST=2 TYP=6
	900	GORK	46 C	0821.3	0824.4		10.0			
	900	GORK	46 C	0821.3	0821.4	3.3	4.5			
	900	GORK	46 C	0821.3	0822.7		40.0			
	2950	GORK	1 S	0901.1	0903.7	3.2	8.2			
	9100	GORK	20 GRF	0902.0	0920.3	34.0D	24.0			
	3000	IZMI	22 GRF	0904.3	0910.3	21.4	39.0	11.0		
	15400	SVTO	20 GRF	0906.0	0918.0	894.0	37.0			QL=4 ST=2 TYP=2
	2950	GORK	46 C	0907.6	0910.4		200.0			
	2950	GORK	46 C	0907.6	0911.6		41.0			
	2950	GORK	46 C	0907.6	0908.7	5.4	52.0			
	4995	SVTO	20 GRF	0908.0	0921.0	892.0	28.0			QL=4 ST=2 TYP=2
	8800	SVTO	20 GRF	0908.0	0919.0	892.0	23.0			QL=4 ST=2 TYP=2
	4995	SVTO	4 S/F	0941.0	0944.0	9.0	110.0			QL=4 ST=2 TYP=3

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 ⁻²² W/m ² Hz)	Mean			
28	8800	SVTO	4 S/F	0943.0	0944.0	5.0	180.0			QL=4 ST=2 TYP=3	
	15400	SVTO	4 S/F	0943.0	0944.0	7.0	64.0			QL=4 ST=2 TYP=3	
	8800	LEAR	8 S	0944.0	0944.0	1.0	150.0			QL=2 ST=2 TYP=3	
	4995	LEAR	8 S	0944.0	0944.0	1.0	73.0			QL=2 ST=2 TYP=3	
	245	LEAR	8 S	0953.0	0953.0	U	190.0			QL=2 ST=2 TYP=3	
	8800	SVTO	4 S/F	1045.0	1046.0	3.0	180.0			QL=4 ST=2 TYP=3	
	4995	SVTO	4 S/F	1045.0	1047.0	4.0	130.0			QL=4 ST=2 TYP=3	
	15400	SVTO	4 S/F	1045.0	1046.0	3.0	190.0			QL=4 ST=2 TYP=3	
	3000	IZMI	7 C	1045.5	1047.1	4.1	77.0	34.0			
	2695	SVTO	8 S	1046.0	1046.0	2.0	61.0				QL=4 ST=2 TYP=3
	204	IZMI	25 R	1048.0		155.00		630.0			
	1415	SVTO	48 C	1112.0	1125.0	24.0	230.0				QL=4 ST=2 TYP=8
	2695	SVTO	48 C	1112.0	1120.0	30.0	78.0				QL=4 ST=2 TYP=8
	15400	SVTO	20 GRF	1112.0	1152.0	46.0	97.0				QL=4 ST=2 TYP=2
	3000	IZMI	40 F	1112.8	1125.4	47.4	66.0	25.0			
	4995	SVTO	20 GRF	1113.0	1120.0	45.0	130.0				QL=4 ST=2 TYP=2
	8800	SGMR	20 GRF	1115.0	1125.0	21.0	120.0				QL=4 ST=2 TYP=2
	4995	SGMR	4 S/F	1115.0	1121.0	21.0	130.0				QL=4 ST=2 TYP=3
	2695	SGMR	20 GRF	1115.0	1125.0	21.0	74.0				QL=4 ST=2 TYP=2
	410	SGMR	48 C	1118.0	1120.0	13.0	850.0				QL=4 ST=2 TYP=8
	410	SVTO	48 C	1119.0	1125.0	7.0	1500.0				QL=2 ST=2 TYP=8
	8800	SVTO	20 GRF	1119.0	1148.0	39.0	100.0				QL=4 ST=2 TYP=2
	204	IZMI	41 F	1119.2	1125.9	9.3	771.0				
	1415	SGMR	48 C	1120.0	1125.0	16.0	220.0				QL=4 ST=2 TYP=8
	245	SGMR	49 GB	1122.0	1126.0	4.0	1200.0				QL=4 ST=2 TYP=6
	245	SVTO	49 GB	1122.0	1126.0	4.0	1500.0				QL=2 ST=2 TYP=6
	610	SGMR	4 S/F	1123.0	1125.0	13.0	220.0				QL=4 ST=2 TYP=3
	610	SVTO	8 S	1124.0	1125.0	2.0	350.0				QL=2 ST=2 TYP=3
	4995	SGMR	48 C	1138.0	1210.0	80.0	300.0				QL=4 ST=2 TYP=8
	8800	SGMR	48 C	1138.0	1210.0	80.0	340.0				QL=4 ST=2 TYP=8
	410	SGMR	48 C	1151.0	1211.0	67.0	570.0				QL=4 ST=2 TYP=8
	610	SGMR	48 C	1151.0	1214.0	67.0	740.0				QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1151.0	1214.0	67.0	650.0				QL=4 ST=2 TYP=8
	2695	SGMR	48 C	1152.0	1214.0	66.0	250.0				QL=4 ST=2 TYP=8
	15400	SGMR	48 C	1152.0	1210.0	66.0	180.0				QL=4 ST=2 TYP=8
	245	SVTO	49 GB	1156.0	1201.0	7.0	5300.0				QL=2 ST=3 TYP=6
	8800	SVTO	8 S	1204.0	1205.0	1.0	53.0				QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1204.0	1210.0	24.0	210.0				QL=4 ST=2 TYP=3
	204	IZMI	46 C	1204.7	1210.9	20.8	7095.5				
	4995	SVTO	48 C	1205.0	1214.0	22.0	290.0				QL=4 ST=2 TYP=8
	410	SVTO	49 GB	1206.0	1211.0	11.0	700.0				QL=2 ST=2 TYP=6
	245	SVTO	49 GB	1206.0	1207.0	23.0	550.0				QL=2 ST=2 TYP=6
	3000	IZMI	46 C	1206.8	1214.6	46.0	210.0				
	610	SVTO	48 C	1207.0	1214.0	15.0	860.0				QL=4 ST=2 TYP=8
	1415	SVTO	48 C	1208.0	1214.0	8.0	660.0				QL=4 ST=2 TYP=8
2695	SVTO	48 C	1208.0	1214.0	15.0	250.0				QL=4 ST=2 TYP=8	
9500	CUBA	21 GRF	1228.0	1228.0	205.0	1665.0	332.0				
6700	CUBA	21 GRF	1236.0E	1236.0	190.00	189.0	94.0			2L	
127	TORN	5 S	1339.2	1340.2	2.4	5900.0	2900.0				
610	SGMR	8 S	1452.0	1453.0	1.0	83.0				QL=4 ST=2 TYP=3	
9500	CUBA	42 SER	1527.0	1527.8	5.2	12.0	6.0				
245	PALE	49 GB	1817.0	1817.0	U	690.0				QL=4 ST=2 TYP=6	
2800	PENT	24 R	1853.0	1907.0	99.00	11.0					
6700	CUBA	21 GRF	1857.0	1912.0	54.0	46.0	23.0			0L	
8800	SGMR	48 C	1900.0	1903.0	7.0	68.0				QL=4 ST=2 TYP=8	
6700	CUBA	2 S/F	1900.6	1903.5	4.4	25.0	12.0			11R	
4995	SGMR	4 S/F	1902.0	1903.0	5.0	37.0				QL=4 ST=2 TYP=3	
15400	SGMR	4 S/F	1903.0	1903.0	4.0	40.0				QL=4 ST=2 TYP=3	
6700	CUBA	2 S/F	2027.5	2028.2	1.5	20.0	10.0			10R	
2800	PENT	20 GRF	2054.0	2123.0	62.0	14.0					
200	HIRA	47 GB	2227.0	2236.0	13.0	635.0				SL	
500	HIRA	42 SER	2228.0	2233.0	14.0	90.0				ML	
4995	PALE	4 S/F	2231.0	2233.0	4.0	77.0				QL=4 ST=2 TYP=3	
8800	PALE	4 S/F	2231.0	2233.0	7.0	96.0				QL=4 ST=2 TYP=3	
2695	PALE	4 S/F	2231.0	2232.0	3.0	61.0				QL=4 ST=2 TYP=3	
410	PALE	8 S	2233.0	2233.0	1.0	280.0				QL=4 ST=2 TYP=3	
610	PALE	8 S	2233.0	2233.0	U	63.0				QL=4 ST=2 TYP=3	
245	PALE	49 GB	2235.0	2237.0	3.0	980.0				QL=2 ST=2 TYP=6	
2695	PALE	20 GRF	2240.0	2309.0	33.0	130.0				QL=4 ST=2 TYP=2	

S O L A R R A D I O E M I S S I O N
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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m ² Hz)	Mean			
28	2695	LEAR	4 S/F	2255.0	2257.0	4.0	56.0			QL=2 ST=2 TYP=3	
	8800	PALE	8 S	2255.0	2255.0		59.0		U	QL=4 ST=2 TYP=3	
	610	PALE	4 S/F	2255.0	2257.0	3.0	76.0			QL=4 ST=2 TYP=3	
	1415	LEAR	48 C	2255.0	2304.0	18.0	290.0			QL=2 ST=2 TYP=8	
	410	LEAR	48 C	2255.0	2303.0	18.0	200.0			QL=2 ST=2 TYP=8	
	1415	PALE	48 C	2255.0	2304.0	18.0	420.0			QL=4 ST=2 TYP=8	
	610	LEAR	8 S	2257.0	2257.0		47.0		U	QL=2 ST=2 TYP=3	
	4995	LEAR	8 S	2301.0	2301.0	2.0	24.0			QL=2 ST=2 TYP=3	
	410	PALE	8 S	2303.0	2303.0	1.0	330.0			QL=4 ST=2 TYP=3	
	245	LEAR	48 C	2306.0	2306.0	7.0	330.0			QL=2 ST=2 TYP=8	
	15400	LEAR	4 S/F	2306.0	2308.0	7.0	92.0			QL=2 ST=2 TYP=3	
	1415	PALE	49 GB	2315.0	2316.0	2.0	800.0			QL=4 ST=2 TYP=6	
	610	PALE	8 S	2316.0	2316.0	1.0	72.0			QL=4 ST=2 TYP=3	
	2695	PALE	4 S/F	2317.0	2317.0	8.0	71.0			QL=4 ST=2 TYP=3	
	245	LEAR	49 GB	2322.0	2324.0	3.0	750.0			QL=2 ST=2 TYP=6	
	245	PALE	49 GB	2323.0	2324.0	1.0	990.0			QL=2 ST=2 TYP=6	
	15400	LEAR	20 GRF	2326.0	2332.0	9.0	42.0			QL=2 ST=2 TYP=2	
	8800	PALE	4 S/F	2326.0	2327.0	6.0	100.0			QL=4 ST=2 TYP=3	
	2695	PALE	8 S	2326.0	2326.0	1.0	70.0			QL=4 ST=2 TYP=3	
	8800	LEAR	4 S/F	2327.0	2327.0	10.0	38.0			QL=2 ST=2 TYP=3	
	4995	PALE	8 S	2330.0	2330.0	1.0	54.0			QL=4 ST=2 TYP=3	
	2695	PALE	8 S	2336.0	2337.0	1.0	110.0			QL=4 ST=2 TYP=3	
	2800	PENT	29 PBI	2343.0	2350.0	69.0	66.0				
	2695	LEAR	4 S/F	2347.0	2350.0	5.0	75.0				QL=2 ST=2 TYP=3
	2695	PALE	8 S	2349.0	2350.0	1.0	100.0				QL=4 ST=2 TYP=3
	4995	PALE	8 S	2349.0	2350.0	1.0	63.0				QL=4 ST=2 TYP=3
	245	PALE	49 GB	2350.0	2350.0		840.0			U	QL=2 ST=2 TYP=6
	29	245	SVTO	43 NS	0458.0	1350.0	710.0	1400.0			
410		SVTO	43 NS	0554.0	1028.0	654.0	1400.0				QL=2 ST=2 TYP=1
410		LEAR	43 NS	0556.0	0613.0	108.0	130.0				QL=2 ST=3 TYP=1
204		IZMI	44 NS	0600.0E		385.0D		120.0			
33		UPIC	44 NS	0600.0E		512.0D					
610		LEAR	43 NS	0611.0	0611.0	76.0	68.0				QL=2 ST=2 TYP=1
610		SVTO	43 NS	0632.0	0633.0	14.0	67.0				QL=2 ST=2 TYP=1
127		TORN	44 NS	0700.0E		480.0D		470.0			V=0
610		SVTO	43 NS	0914.0	1306.0	264.0	580.0				QL=2 ST=2 TYP=1
410		LEAR	43 NS	0932.0	0936.0	39.0	83.0				QL=2 ST=2 TYP=1
610		LEAR	43 NS	0932.0	0937.0	39.0	70.0				QL=2 ST=2 TYP=1
245		SGMR	43 NS	1054.0	1346.0	686.0	1400.0				QL=4 ST=2 TYP=1
410		SGMR	43 NS	1059.0	1300.0	283.0	660.0				QL=4 ST=2 TYP=1
610		SGMR	43 NS	1239.0	1241.0	94.0	120.0				QL=4 ST=2 TYP=1
235		CUBA	44 NS	1300.0E		530.0D		64.0			
245		PALE	43 NS	1645.0	1731.0U	435.0	310.0				QL=4 ST=1 TYP=1
245		PALE	43 NS	1645.0	1649.0U	435.0	72.0				QL=4 ST=1 TYP=1
410		PALE	43 NS	1720.0	1801.0	66.0	95.0				QL=4 ST=2 TYP=1
410		SGMR	43 NS	1728.0	1800.0	38.0	85.0				QL=4 ST=2 TYP=1
245		LEAR	43 NS	2246.0	0627.0	684.0	1300.0				QL=2 ST=2 TYP=1
15400		LEAR	8 S	0245.0	0245.0		49.0			U	QL=2 ST=2 TYP=3
8800		LEAR	8 S	0245.0	0245.0		35.0			U	QL=2 ST=2 TYP=3
8800		LEAR	4 S/F	0252.0	0253.0	4.0	200.0				QL=2 ST=2 TYP=3
4995		LEAR	8 S	0253.0	0253.0	1.0	100.0				QL=2 ST=2 TYP=3
15400		LEAR	8 S	0253.0	0253.0	2.0	110.0				QL=2 ST=2 TYP=3
4995		PALE	8 S	0253.0	0253.0	1.0	85.0				QL=4 ST=2 TYP=3
8800		PALE	8 S	0253.0	0253.0	1.0	110.0				QL=4 ST=2 TYP=3
610		LEAR	8 S	0519.0	0519.0		63.0			U	QL=2 ST=2 TYP=3
610		SVTO	4 S/F	0610.0	0611.0	3.0	55.0				QL=4 ST=2 TYP=3
410		SVTO	8 S	0611.0	0611.0	2.0	450.0				QL=4 ST=2 TYP=3
500		HIRA	8 S	0613.0	0613.0	1.0	30.0				WL
900		GORK	46 C	0619.3	0621.8		16.0				
900	GORK	46 C	0619.3	0619.9	2.9	17.0					
2950	GORK	1 S	0649.3	0649.5	0.7	7.8					
204	IZMI	41 F	0649.6	0650.7	2.0	115.9					
200	HIRA	8 S	0650.0	0651.0	1.0	50.0				0	
500	HIRA	8 S	0652.0	0652.0	1.0	85.0				WL	
900	GORK	21 GRF	0654.0	0702.4	22.0	14.0					
2950	GORK	20 GRF	0656.0	0659.0	12.4	10.0					
9100	GORK	1 S	0702.5	0704.3	1.8	14.0					
900	GORK	40 F	0706.7	0707.0	2.0	12.0					

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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		
29	900	GORK	46 C	0713.3	0715.1		23.0			
	900	GORK	46 C	0713.3	0714.3		40.0			
	900	GORK	46 C	0713.3	0713.8	2.5	80.0			
	2950	GORK	1 S	0713.5	0713.9	1.2	3.4			
	2950	GORK	20 GRF	0724.6U	0727.6	7.0D	10.0			
	9100	GORK	1 S	0903.7	0904.8	4.3	14.0			
	610	LEAR	8 S	0914.0	0914.0	1.0	78.0			QL=2 ST=2 TYP=3
	610	LEAR	20 GRF	0918.0	0919.0	11.0	94.0			QL=2 ST=2 TYP=2
	410	LEAR	20 GRF	0920.0	0925.0	6.0	120.0			QL=2 ST=2 TYP=2
	204	IZMI	25 R	0922.2		182.8D		1500.0		
	900	GORK	28 PRE	0944.0	0945.0	1.3	4.5			
	9100	GORK	4 S/F	0953.0	1011.3	31.0	9400.0			
	900	GORK	47 GB	0957.0	1010.4	24.0	6400.0			
	2950	GORK	47 GB	0957.0U	1011.6	24.0D	20600.0			
	900	GORK	47 GB	0957.0	1016.7		1900.0			
	3000	IZMI	46 C	0957.4	1011.6	35.4	4630.0			
	4995	LEAR	48 C	0958.0	1011.0	22.0	9600.0			QL=2 ST=2 TYP=8
	8800	LEAR	48 C	0958.0	1011.0	21.0	13000.0			QL=2 ST=2 TYP=8
	2695	LEAR	48 C	0958.0	1011.0	21.0	4700.0			QL=2 ST=2 TYP=8
	410	LEAR	45 C	0958.0	1011.0	21.0				QL=2 ST=2 TYP=8
	610	LEAR	48 C	0959.0	1011.0	20.0	65000.0			QL=2 ST=2 TYP=8
	1415	LEAR	48 C	0959.0	1006.0	20.0	3400.0			QL=2 ST=2 TYP=8
	15400	LEAR	48 C	0959.0	1010.0	20.0	7600.0			QL=2 ST=2 TYP=8
	245	LEAR	48 C	1000.0	1011.0	20.0	51000.0			QL=2 ST=2 TYP=8
	204	IZMI	46 C	1003.0	1010.8	10.6	23462.0			
	610	SVTO	48 C	1004.0	1011.0U	29.0	90000.0			QL=4 ST=2 TYP=8
	8800	SVTO	48 C	1004.0	1011.0U	29.0	6900.0			QL=4 ST=2 TYP=8
	2695	SVTO	49 GB	1004.0	1011.0U	27.0	3500.0			QL=4 ST=2 TYP=6
	1415	SVTO	48 C	1004.0	1009.0U	25.0	3900.0			QL=4 ST=2 TYP=8
	410	SVTO	45 C	1004.0	1011.0U	32.0				QL=4 ST=2 TYP=8
	4995	SVTO	48 C	1004.0	1011.0U	41.0	8100.0			QL=4 ST=2 TYP=8
	245	SVTO	48 C	1004.0	1010.0U	42.0	27000.0			QL=4 ST=2 TYP=8
	15400	SVTO	48 C	1004.0	1011.0U	75.0	4000.0			QL=4 ST=2 TYP=8
	2950	GORK	30 PBI	1021.0	1021.0	21.0D	600.0			
	9100	GORK	29 PBI	1024.0	1024.0	21.0D	370.0			
	900	GORK	46 C	1024.8	1027.0	7.2	400.0			
	900	GORK	46 C	1024.8	1029.1		380.0			
	2950	GORK	4 S/F	1025.2	1026.0	1.2	14.0U			
	8800	SGMR	48 C	1101.0	1105.0	13.0	55.0			QL=4 ST=2 TYP=8
	4995	SGMR	4 S/F	1101.0	1101.0	13.0	51.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	1102.0	1104.0	4.0	140.0			QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1104.0	1104.0	2.0	160.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1104.0	1109.0	10.0	670.0			QL=4 ST=2 TYP=8
	3000	IZMI	22 GRF	1123.4	1143.2	31.8	24.0	9.0		
	204	IZMI	46 C	1137.2	1140.0	5.0	43536.0			
410	SVTO	49 GB	1138.0	1140.0	4.0	800.0			QL=4 ST=2 TYP=6	
410	SGMR	48 C	1138.0	1138.0	13.0	580.0			QL=4 ST=2 TYP=8	
245	SGMR	49 GB	1138.0	1139.0	13.0	1900.0			QL=4 ST=2 TYP=6	
610	SGMR	4 S/F	1138.0	1140.0	13.0	270.0			QL=4 ST=2 TYP=3	
245	SVTO	49 GB	1138.0	1139.0	10.0	2100.0			QL=4 ST=2 TYP=6	
8800	SGMR	4 S/F	1243.0	1245.0	8.0	57.0			QL=4 ST=2 TYP=3	
2695	SGMR	4 S/F	1247.0	1248.0	4.0	52.0			QL=4 ST=2 TYP=3	
6700	CUBA	21 GRF	1257.0E	1257.0	170.0D	36.0	18.0		28L	
1415	SVTO	4 S/F	1259.0	1337.0	39.0	600.0			QL=4 ST=2 TYP=3	
245	SGMR	48 C	1259.0	1326.0	47.0	11000.0			QL=4 ST=2 TYP=8	
410	SVTO	48 C	1259.0	1326.0	45.0	3200.0			QL=4 ST=2 TYP=8	
245	SVTO	48 C	1259.0	1326.0	47.0	11000.0			QL=4 ST=2 TYP=8	
610	SVTO	48 C	1300.0	1306.0	38.0	570.0			QL=4 ST=2 TYP=8	
410	SGMR	48 C	1300.0	1326.0	46.0	2100.0			QL=4 ST=2 TYP=8	
610	SGMR	48 C	1300.0	1306.0	46.0	580.0			QL=4 ST=2 TYP=8	
235	CUBA	49 GB	1300.0E	1325.5	126.0D	4141.0				
280	CUBA	49 GB	1300.0E	1325.5	126.0D	11026.0				
6700	CUBA	2 S/F	1300.2	1303.0	4.8	21.0	10.0		86L	
1415	SGMR	48 C	1301.0	1337.0	45.0	540.0			QL=4 ST=2 TYP=8	
8800	SGMR	4 S/F	1301.0	1302.0	45.0	69.0			QL=4 ST=2 TYP=3	
2695	SVTO	8 S	1302.0	1302.0	1.0	41.0			QL=4 ST=2 TYP=3	
4995	SVTO	8 S	1302.0	1303.0	2.0	39.0			QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	1302.0	1302.0	11.0	51.0			QL=4 ST=2 TYP=3	
2695	SGMR	4 S/F	1302.0	1302.0	44.0	61.0			QL=4 ST=2 TYP=3	

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
29	245	SGMR	49 GB	1349.0	1349.0	10.0	2400.0			QL=4 ST=3 TYP=6
	410	SVTO	49 GB	1350.0	1351.0	7.0	720.0			QL=4 ST=2 TYP=6
	245	SVTO	48 C	1350.0	1350.0	9.0	1500.0			QL=4 ST=2 TYP=8
	9500	CUBA	4 S/F	1419.0	1421.9	6.5	17.0	8.0		
	1415	SGMR	8 S	1434.0	1434.0	1.0	63.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1434.0	1434.0	1.0	59.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1445.0	1446.8	3.8	19.0	9.0		
	9500	CUBA	2 S/F	1514.5	1515.8	1.8	12.0	6.0		
	610	SVTO	8 S	1626.0	1627.0	1.0	54.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1631.0	1631.0	1.0	55.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1723.0	1724.0	1.0	58.0			QL=4 ST=2 TYP=3
	2800	PENT	21 GRF	1824.0	1838.0	60.0	5.0			
	2800	PENT	30 PBI	2029.0	2050.0	123.0	24.0			
	15400	SGMR	8 S	2050.0	2050.0	2.0	54.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	2050.0	2050.0	2.0	270.0			QL=4 ST=2 TYP=3
4995	SGMR	8 S	2050.0	2050.0	2.0	30.0			QL=4 ST=2 TYP=3	
30	204	IZMI	44 NS	0600.0E		360.0D		650.0		
	33	UPIC	44 NS	0600.0E		600.0D				
	410	LEAR	43 NS	0600.0	0628.0	250.0	550.0			QL=2 ST=2 TYP=1
	610	SVTO	43 NS	0600.0	0641.0U	117.0	140.0			QL=2 ST=2 TYP=1
	127	TORN	44 NS	0700.0E		480.0D		1700.0		V=0
	245	SGMR	43 NS	1101.0	2004.0U	673.0	1000.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1102.0	1534.0	672.0	200.0			QL=4 ST=2 TYP=1
	610	SGMR	43 NS	1533.0	1535.0	30.0	64.0			QL=4 ST=2 TYP=1
	410	PALE	43 NS	1702.0	0306.0	677.0	380.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2247.0	0058.0	682.0	470.0			QL=2 ST=2 TYP=1
	2804	VORO	2 S/F	0201.5	0202.3	3.3	19.0			
	200	HIRA	20 GRF	0410.0	0556.0	255.0	460.0			ML
	500	HIRA	8 S	0420.0	0422.0	3.0	320.0			WL
	245	LEAR	49 GB	0420.0	0424.0	8.0	4100.0			QL=2 ST=2 TYP=6
	500	HIRA	20 GRF	0420.0	0556.0	254.0	460.0			ML
	410	PALE	49 GB	0421.0	0422.0	8.0	930.0			QL=4 ST=2 TYP=6
	410	LEAR	48 C	0421.0	0434.0	1179.0	460.0			QL=2 ST=1 TYP=8
	410	LEAR	48 C	0421.0	0454.0	1179.0	740.0			QL=2 ST=1 TYP=8
	610	LEAR	48 C	0421.0	0435.0	1179.0	920.0			QL=2 ST=1 TYP=8
	610	LEAR	4 S/F	0421.0	0422.0	1179.0	200.0			QL=2 ST=1 TYP=3
	410	LEAR	4 S/F	0421.0	0422.0	1179.0	370.0			QL=2 ST=1 TYP=3
	200	HIRA	8 S	0422.0	0424.0	4.0	220.0			0
	610	PALE	4 S/F	0422.0	0422.0	7.0	210.0			QL=4 ST=2 TYP=3
	2800	HIRA	3 S	0422.0	0428.0	18.0	80.0			0
	245	PALE	49 GB	0423.0	0424.0	4.0	3700.0			QL=4 ST=2 TYP=6
	4995	LEAR	4 S/F	0423.0	0427.0	1177.0	110.0			QL=2 ST=1 TYP=3
	8800	LEAR	4 S/F	0423.0	0426.0	1177.0	74.0			QL=2 ST=1 TYP=3
	2695	LEAR	4 S/F	0425.0	0427.0	1175.0	91.0			QL=2 ST=1 TYP=3
	1415	LEAR	4 S/F	0425.0	0426.0	1175.0	75.0			QL=2 ST=1 TYP=3
	500	HIRA	4 S/F	0429.0	0436.0	7.0	490.0			ML
	500	HIRA	4 S/F	0442.0	0444.0	5.0	275.0			ML
	410	SVTO	48 C	0456.0	0503.0	1144.0	860.0			QL=4 ST=1 TYP=8
	410	SVTO	48 C	0456.0E	0546.0U	1144.0D	1500.0			QL=2 ST=1 TYP=8
	410	SVTO	49 GB	0456.0E	0459.0U	1144.0D	760.0			QL=2 ST=1 TYP=6
	410	SVTO	48 C	0456.0E	0540.0U	1144.0D	1400.0			QL=2 ST=1 TYP=8
	410	SVTO	48 C	0456.0E	0529.0U	1144.0D	1200.0			QL=2 ST=1 TYP=8
	410	SVTO	48 C	0456.0E	0525.0U	1144.0D	1100.0			QL=2 ST=1 TYP=8
	410	SVTO	48 C	0456.0E	0503.0U	1144.0D	860.0			QL=2 ST=1 TYP=8
	410	SVTO	48 C	0456.0E	0553.0U	1144.0D	1800.0			QL=2 ST=1 TYP=8
	610	SVTO	48 C	0457.0E	0507.0U	63.0D	390.0			QL=2 ST=2 TYP=8
	410	SVTO	48 C	0457.0E	0553.0U	63.0D	1800.0			QL=2 ST=2 TYP=8
	245	SVTO	48 C	0457.0E	0548.0U	63.0D	2100.0			QL=2 ST=2 TYP=8
4995	SVTO	4 S/F	0504.0E	0515.0U	19.0D	130.0			QL=4 ST=2 TYP=3	
15400	LEAR	4 S/F	0505.0	0505.0	1135.0	130.0			QL=2 ST=1 TYP=3	
2695	SVTO	4 S/F	0505.0E	0515.0U	11.0D	91.0			QL=4 ST=2 TYP=3	
4995	LEAR	8 S	0508.0	0508.0	1.0	51.0			QL=2 ST=2 TYP=3	
8800	LEAR	48 C	0508.0	0513.0	25.0	380.0			QL=2 ST=2 TYP=8	
610	LEAR	48 C	0508.0	0552.0	52.0	310.0			QL=2 ST=2 TYP=8	
410	LEAR	48 C	0508.0	0553.0	52.0	700.0			QL=2 ST=2 TYP=8	
245	LEAR	48 C	0508.0	0548.0	52.0	1800.0			QL=4 ST=2 TYP=8	
1415	SVTO	4 S/F	0509.0E	0513.0U	6.0D	36.0			QL=4 ST=2 TYP=3	
15400	SVTO	4 S/F	0511.0E	0513.0U	11.0D	200.0			QL=4 ST=2 TYP=3	

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

MARCH 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		
30	15400	LEAR	4 S/F	0512.0	0513.0	9.0	310.0			QL=2 ST=2 TYP=3
	8800	SVTO	4 S/F	0512.0E	0513.0U	4.0D	220.0			QL=4 ST=2 TYP=3
	2800	HIRA	3 S	0513.0	0515.0	7.0	80.0			0
	2695	LEAR	4 S/F	0513.0	0514.0	3.0	110.0			QL=2 ST=2 TYP=3
	1415	LEAR	46 C	0515.0	0556.0	1125.0	38.0			QL=2 ST=1 TYP=8
	1415	LEAR	4 S/F	0515.0	0515.0	1125.0	27.0			QL=2 ST=1 TYP=3
	9100	GORK	3 S	0641.7	0641.8	0.3	11.0			
	2950	GORK	1 S	0644.6	0644.9	1.0	6.5			
	9100	GORK	3 S	0721.3	0721.4	0.4	12.0			
	900	GORK	46 C	0726.8	0728.8	4.5	21.0			
	900	GORK	46 C	0726.8	0730.8		35.0			
	2950	GORK	20 GRF	0756.7	0757.6	22.8	4.5			
	9100	GORK	1 S	0846.7	0847.2	2.7	7.9			
	900	GORK	4 S/F	0900.5	0901.0U	1.0	120.0			
	2950	GORK	21 GRF	0900.7	0908.0	30.3	6.5			
	204	IZMI	25 R	0909.0		171.0D		2100.0		
	2950	GORK	46 C	0914.7	0916.3	5.4	22.0			
	2950	GORK	46 C	0914.7	0917.6		20.0			
	900	GORK	4 S/F	0915.3	0917.8	4.2	7.9			
	3000	IZMI	7 C	0915.4	0917.6	3.1	35.0	15.0		
	9100	GORK	20 GRF	0916.0	0917.7	27.3	13.0			
	204	IZMI	41 F	0924.3	0924.6	0.6	738.0			
	2950	GORK	20 GRF	1033.8	1039.8	15.2	4.2			
	9100	GORK	20 GRF	1037.7	1039.8	8.3	14.0			
	3000	IZMI	7 C	1108.0	1109.5	1.8	20.0	7.0		
	2800	PENT	40 F	1510.0	1619.0	83.0	14.0			
	410	SGMR	4 S/F	1524.0	1526.0	5.0	350.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	1524.0	1525.0	1.0	200.0			QL=2 ST=2 TYP=3
	610	SVTO	4 S/F	1524.0	1526.0	4.0	160.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	1524.0	1526.0	4.0	290.0			QL=2 ST=2 TYP=3
	245	SGMR	4 S/F	1525.0	1525.0	4.0	370.0			QL=2 ST=2 TYP=3
	610	SGMR	4 S/F	1525.0	1526.0	4.0	210.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	1652.0	1653.0	3.0	140.0			QL=4 ST=2 TYP=3
410	PALE	48 C	1652.0	1659.0	9.0	120.0			QL=4 ST=2 TYP=8	
2800	PENT	20 GRF	1814.0	1839.0	76.0	10.0				
245	SGMR	49 GB	1839.0	1839.0	5.0	950.0			QL=2 ST=2 TYP=6	
8800	PALE	4 S/F	2243.0	2245.0	5.0	65.0			QL=4 ST=2 TYP=3	
15400	PALE	8 S	2244.0	2245.0	2.0	82.0			QL=4 ST=2 TYP=3	
2804	VORO	20 GRF	2255.0	2415.0	155.0	6.5				
31	245	SVTO	43 NS	0455.0	0527.0	1145.0	430.0			QL=2 ST=1 TYP=1
	245	SVTO	43 NS	0455.0	0505.0U	1145.0	100.0			QL=2 ST=1 TYP=1
	245	SVTO	43 NS	0455.0	0505.0U	1145.0	100.0			QL=4 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		200.0		
	127	TORN	44 NS	0700.0E		480.0D		350.0		V=1
	33	UPIC	44 NS	0815.0E	1138.5	262.0D				
	245	SGMR	43 NS	1115.0	1135.0U	659.0	280.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1300.0E		530.0D		53.0		
	280	CUBA	44 NS	1300.0E		530.0D		51.0		
	245	PALE	43 NS	1643.0	2349.0	707.0	310.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2247.0	2349.0	682.0	270.0			QL=2 ST=3 TYP=1
	245	LEAR	8 S	0009.0	0009.0	1.0	300.0			QL=2 ST=2 TYP=3
	410	LEAR	8 S	0043.0	0044.0	2.0	74.0			QL=2 ST=2 TYP=3
	410	LEAR	8 S	0057.0	0057.0	1.0	78.0			QL=2 ST=2 TYP=3
	2804	VORO	23 GRF	0308.2	0328.4	82.0	12.7			
	2804	VORO	40 F	0328.5	0338.8	15.0	18.2			
	500	HIRA	8 S	0345.0	0346.0	1.0	30.0			WL
	200	HIRA	8 S	0345.0	0345.0	1.0	170.0			0
	410	LEAR	4 S/F	0401.0	0404.0	3.0	89.0			QL=2 ST=2 TYP=3
	200	HIRA	8 S	0527.0	0527.0	1.0	165.0			SR
	8800	LEAR	4 S/F	0632.0	0633.0	4.0	53.0			QL=2 ST=3 TYP=3
	15400	LEAR	4 S/F	0632.0	0633.0	3.0	160.0			QL=2 ST=3 TYP=3
	9100	GORK	3 S	0632.8	0633.4	3.2	50.0			
	15400	LEAR	8 S	0633.0	0633.0	U	140.0			QL=2 ST=2 TYP=3
15400	SVTO	8 S	0633.0	0633.0	1.0	130.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	0633.0	0633.0	1.0	36.0			QL=4 ST=2 TYP=3	
3000	IZMI	5 S	0633.0	0633.2	0.4	15.0	7.0			
2950	GORK	21 GRF	0701.0	0710.7	30.7	13.0				
9100	GORK	21 GRF	0701.0	0709.8	24.5	26.0				

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

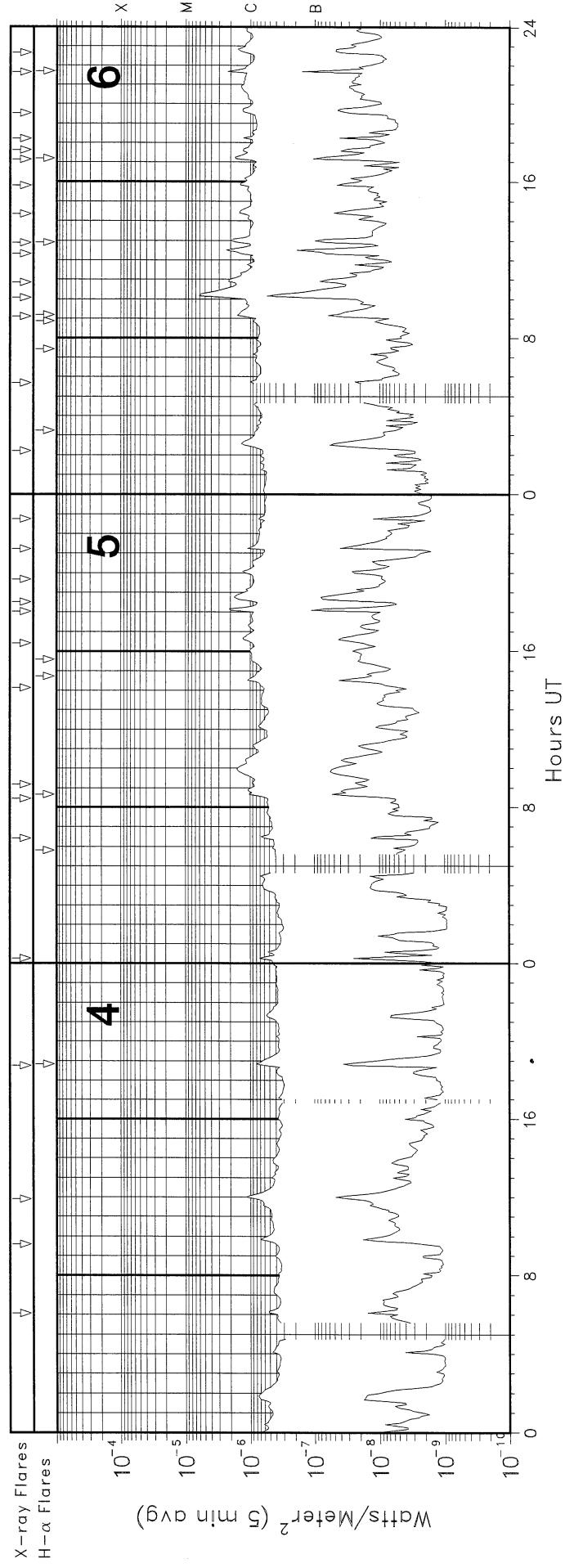
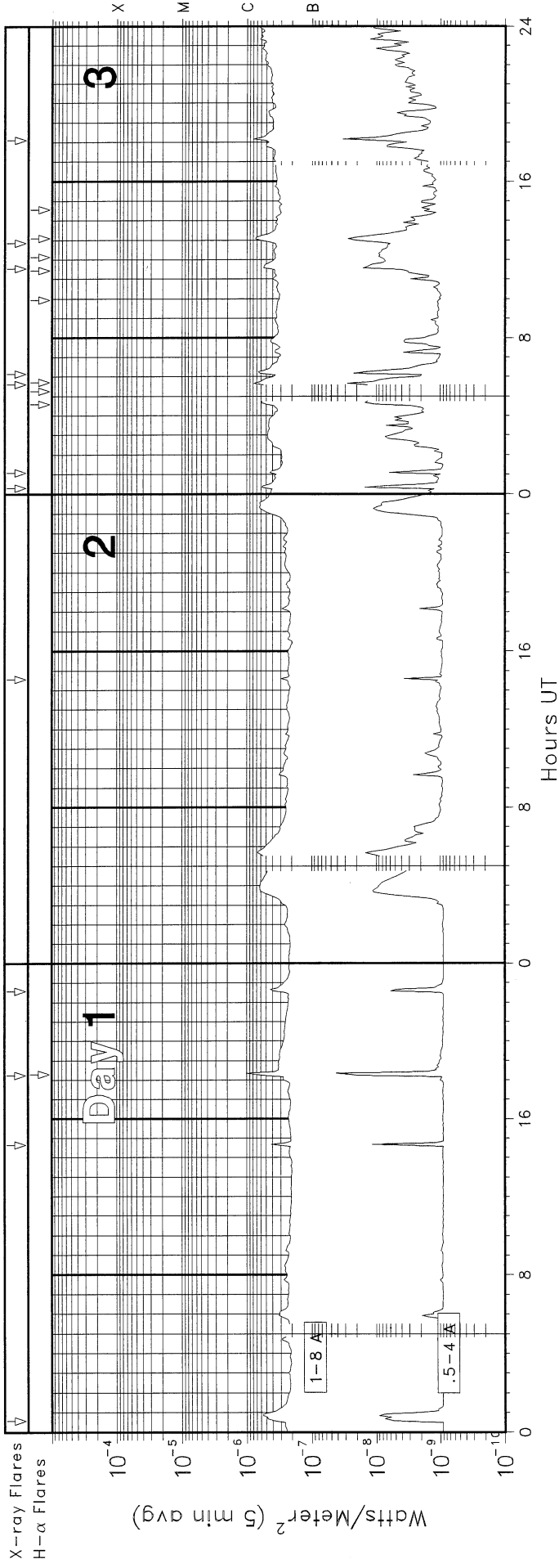
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Mar 01

MARCH 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		
31	3000	IZMI	22 GRF	0701.9	0703.3	38.5	21.0	8.0		
	2950	GORK	46 C	0702.3	0706.3		7.2			
	2950	GORK	46 C	0702.3	0703.3	5.2	13.0			
	9100	GORK	3 S	0702.8	0703.0	0.4	21.0			
	2950	GORK	40 F	0714.2	0715.7	4.0	12.0			
	9100	GORK	1 S	0717.8	0718.3	0.9	11.0			
	9100	GORK	1 S	0738.4	0738.7	1.3	15.0			
	900	GORK	8 S	0741.3	0741.4	0.2	15.0			
	9100	GORK	1 S	0750.4	0751.0	1.0	7.6			
	204	IZMI	25 R	0816.0		224.00		230.0		
	2950	GORK	20 GRF	0817.0	0842.0	84.0	11.0			
	9100	GORK	1 S	0821.0	0822.6	5.4	13.0			
	900	GORK	40 F	0827.8	0828.5	1.2	20.0			
	245	LEAR	49 GB	0844.0	0845.0	2.0	2100.0			QL=2 ST=2 TYP=6
	245	SVTO	49 GB	0845.0	0845.0	1.0	3100.0			QL=2 ST=2 TYP=6
	204	IZMI	42 SER	0845.3	0845.7	12.0	7681.0			
	200	HIRA	8 S	0846.0	0846.0	1.0	445.0			0
	900	GORK	4 S/F	1051.1	1051.4	0.7	22.0			
	8800	SVTO	20 GRF	1102.0	1104.0	25.0	520.0			QL=4 ST=2 TYP=2
	15400	SVTO	20 GRF	1102.0	1104.0	25.0	270.0			QL=4 ST=2 TYP=2
	4995	SVTO	20 GRF	1102.0	1104.0	24.0	350.0			QL=4 ST=2 TYP=2
	1415	SVTO	4 S/F	1102.0	1103.0	778.0	29.0			QL=4 ST=1 TYP=3
	3000	IZMI	45 C	1102.8	1104.8	47.2	115.0	19.0		
	2695	SGMR	4 S/F	1103.0	1104.0	3.0	66.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1103.0	1104.0	7.0	320.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1103.0	1104.0	8.0	100.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1103.0	1104.0	20.0	460.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1104.0	1104.0	2.0	150.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	1108.0	1111.0	3.0	110.0			QL=4 ST=2 TYP=3
	9500	CUBA	20 GRF	1307.0	1307.0	243.0	29.0	14.0		
	6700	CUBA	22 GRF	1320.0E	1320.0	234.00	15.0	7.0		0L
	2800	PENT	29 PBI	1606.0	1614.0	26.00	6.0			
	245	SGMR	8 S	1654.0	1654.0	U	200.0			QL=2 ST=2 TYP=3
	6700	CUBA	21 GRF	1839.0	2129.0	229.00	29.0	14.0		8L SUNSET
	9500	CUBA	45 C	1948.8	1952.2	7.4	29.0	14.0		
	6700	CUBA	45 C	1948.8	1949.8	4.1	23.0	11.0		19R
	15400	SGMR	8 S	1952.0	1952.0	U	31.0			QL=4 ST=2 TYP=3
	2800	PENT	41 F	2045.0	2115.0	103.0	12.0			
	245	SGMR	49 GB	2048.0	2049.0	3.0	540.0			QL=2 ST=2 TYP=6
	200	HIRA	8 S	2049.0	2049.0	1.0	105.0			MR
410	SGMR	8 S	2049.0	2049.0	2.0	32.0			QL=4 ST=2 TYP=3	
9500	CUBA	20 GRF	2122.0	2130.0	60.0	14.0	7.0			
2804	VORO	40 F	2308.5	2313.6	6.5	10.1				
2804	VORO	2 S/F	2332.0	2332.6	1.2	5.2				
2800	PENT	8 S	2346.0	2348.0	4.0	62.0				
8800	LEAR	4 S/F	2347.0	2348.0	4.0	34.0			QL=2 ST=2 TYP=3	
2804	VORO	40 F	2347.8	2348.8	1.3	52.4				
15400	LEAR	4 S/F	2348.0	2349.0	3.0	34.0			QL=2 ST=2 TYP=3	
2695	LEAR	8 S	2348.0	2348.0	U	130.0			QL=2 ST=2 TYP=3	
8800	PALE	8 S	2348.0	2348.0	U	58.0			QL=4 ST=2 TYP=3	

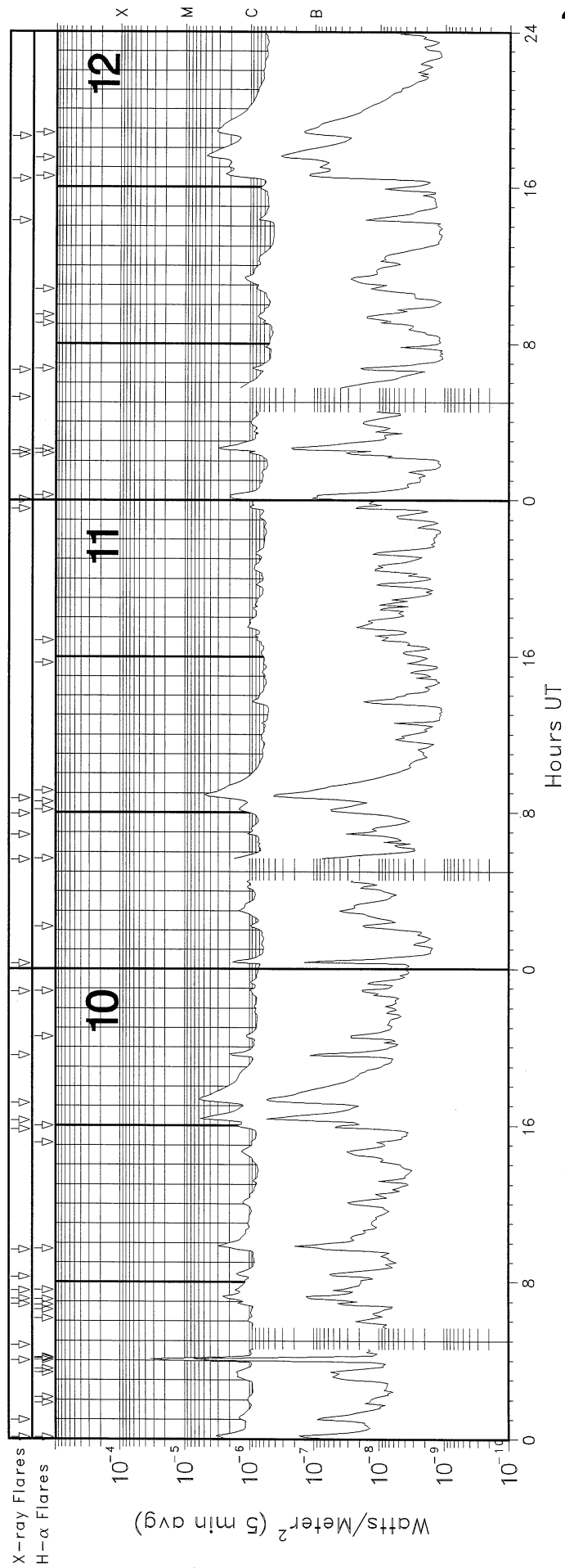
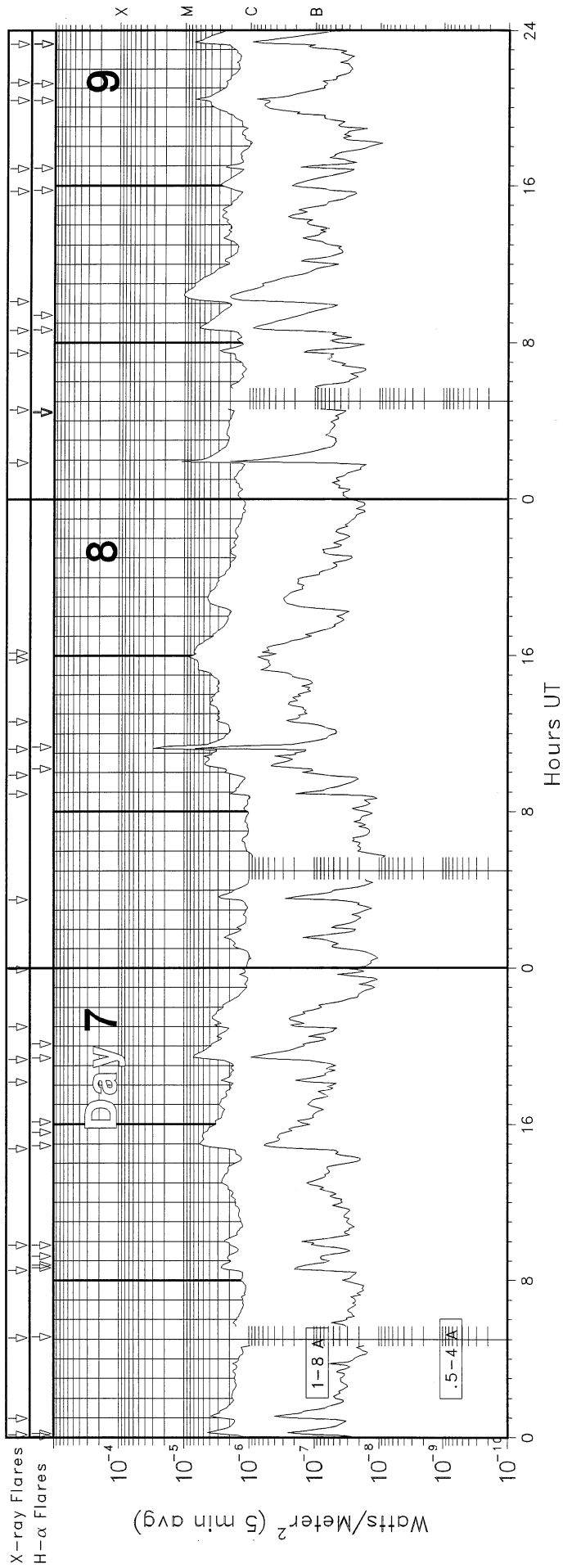
GOES X-RAY DETECTOR

March 2001



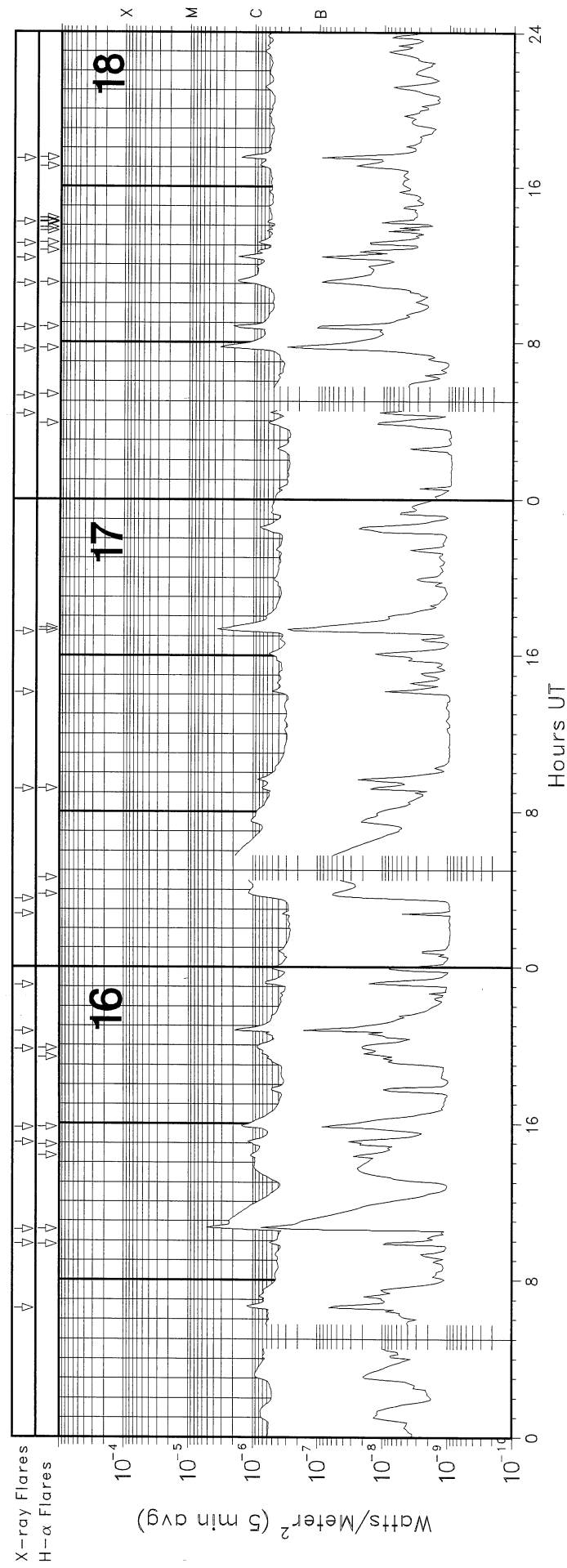
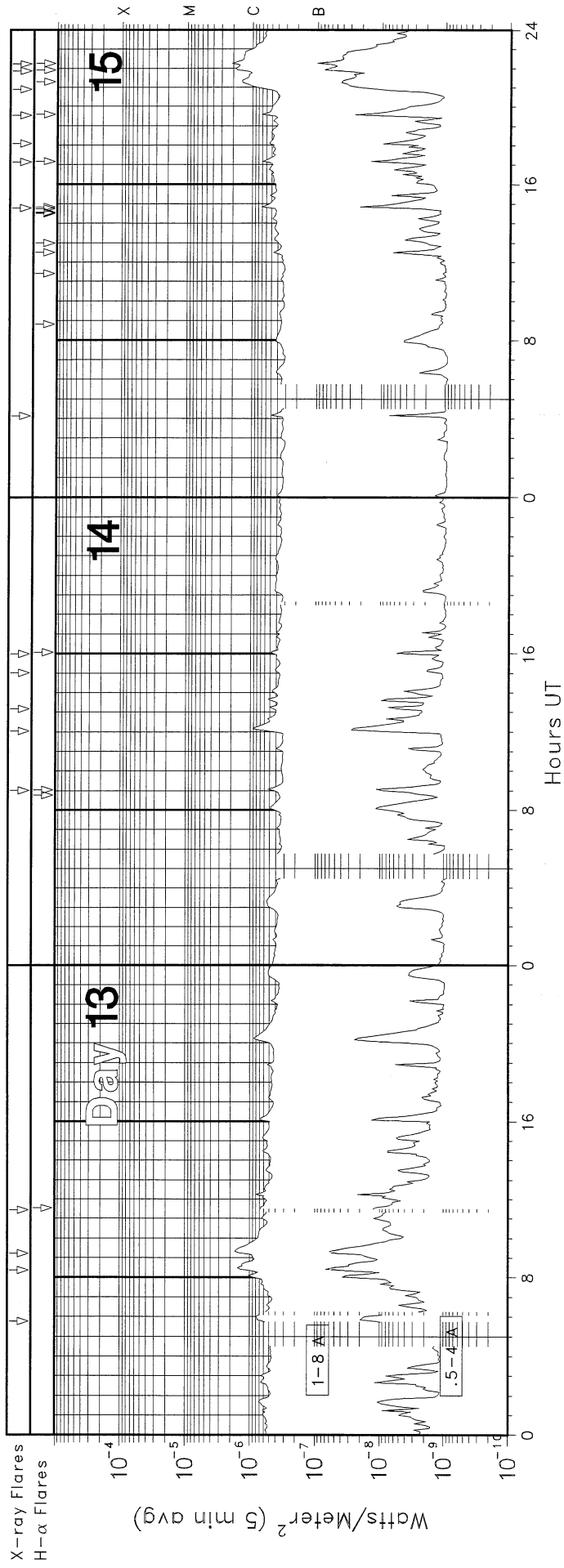
GOES X-RAY DETECTOR

March 2001



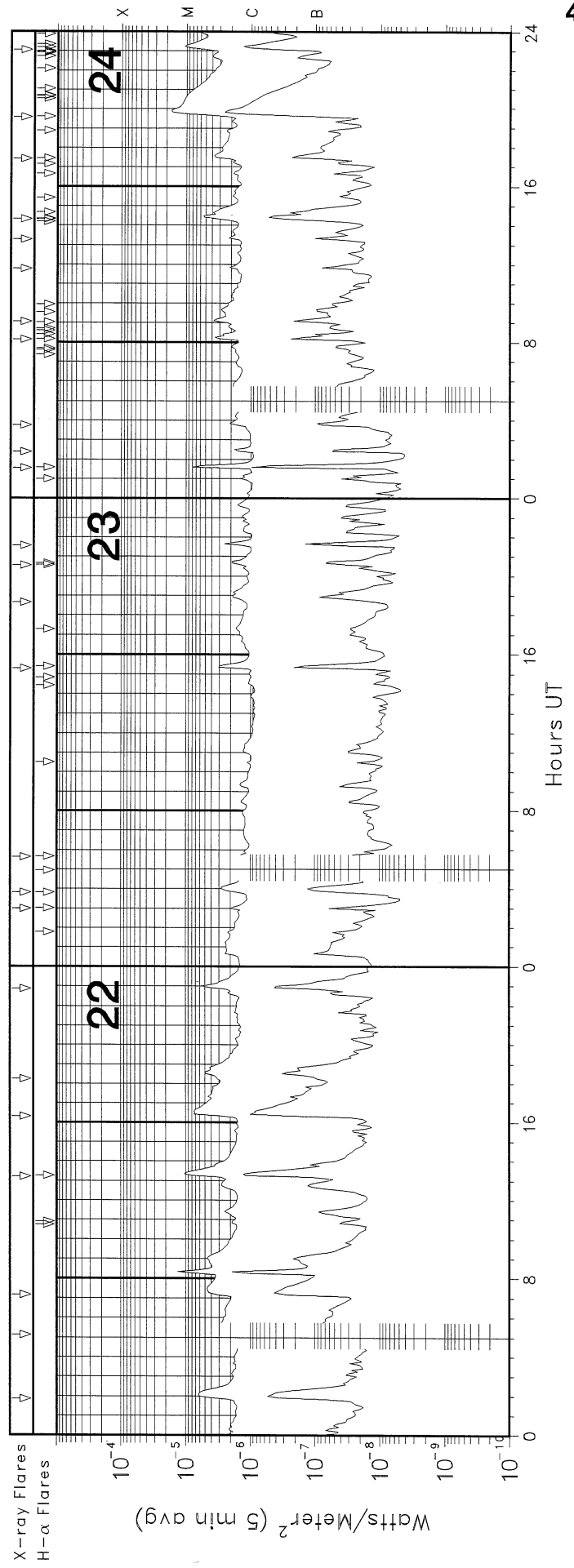
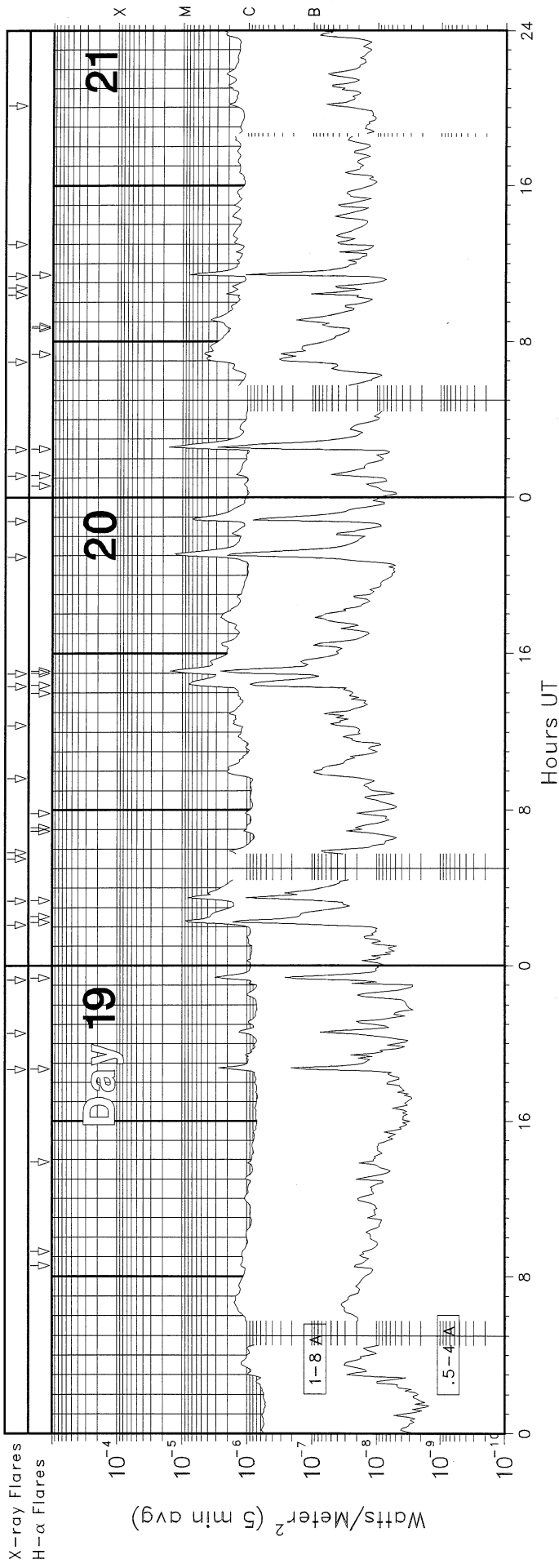
GOES X-RAY DETECTOR

March 2001



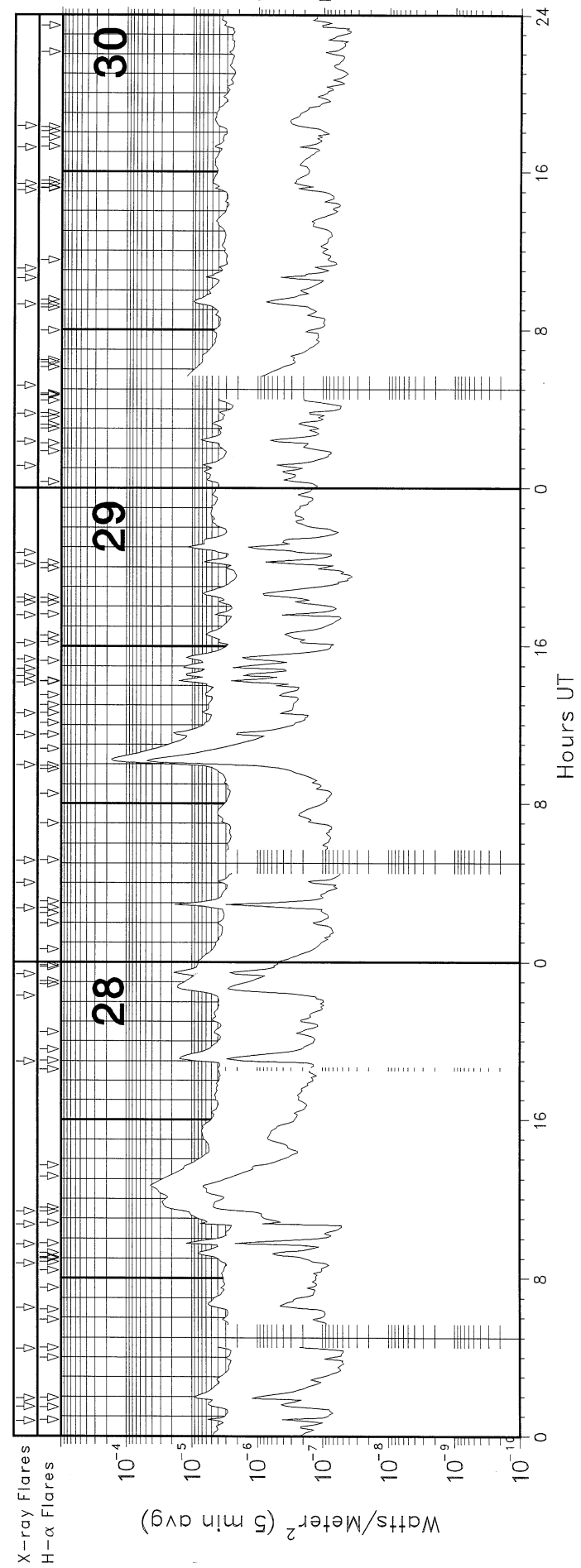
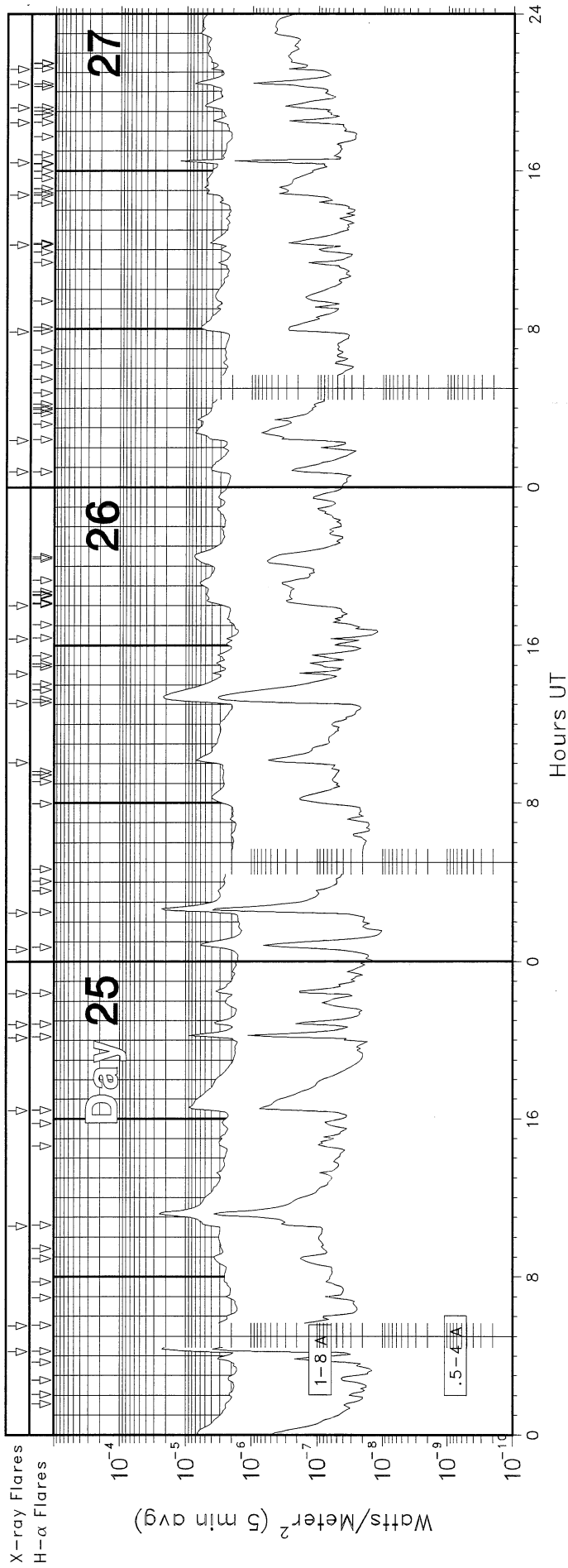
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March 2001



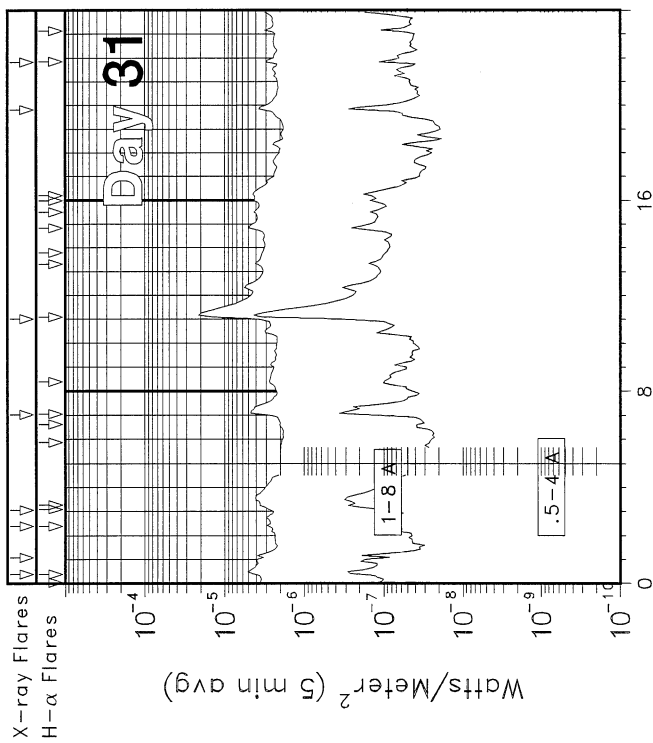
GOES X-RAY DETECTOR

March 2001



GOES X-RAY DETECTOR

March 2001



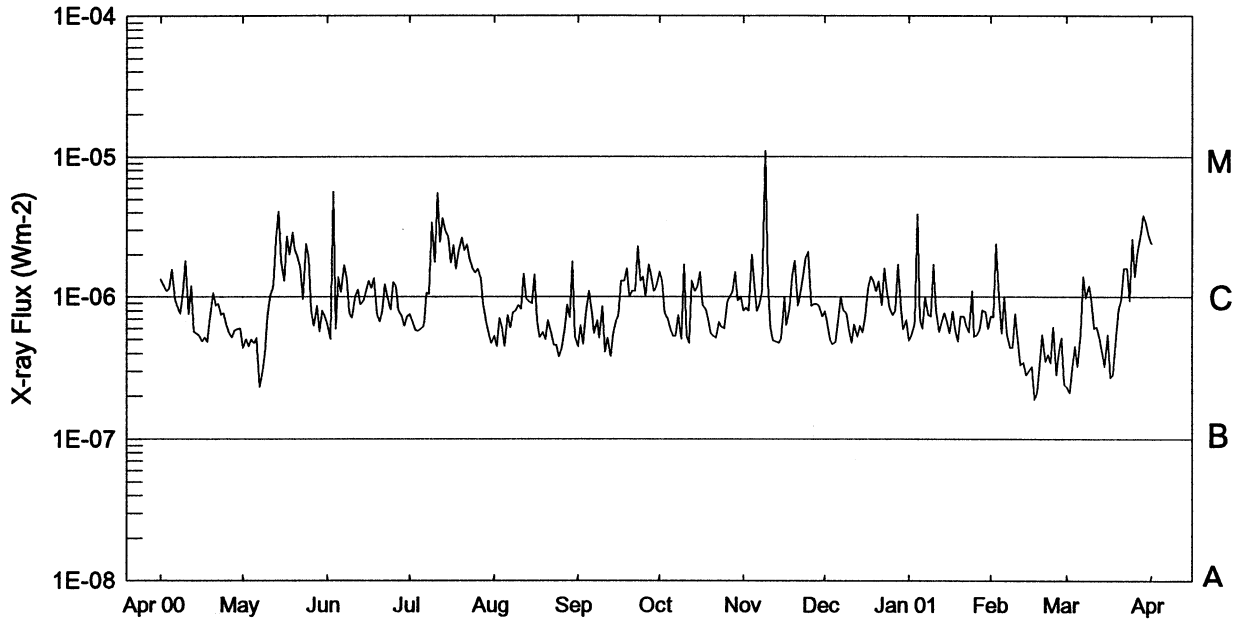
GOES SOLAR X-RAY FLARES
Preliminary Listing

March 2001

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/	Region	Flux
								USAF		
29	0244	0256	0300	N17	W04	1N	M2.1	9393	9.8E-03	
29	0401	0405	0409				C4.4		1.9E-03	
29	0508	0514	0519				C5.5	9393	3.1E-03	
29	0957	1015	1032	N20	W19	SF	X1.7	9393	2.2E-01	
29	1129	1135	1139	N15	W12	SF	M2.1	9393	1.1E-02	
29	1235	1239	1244	N16	W13	SF	C7.6	9393	3.7E-03	
29	1409	1418	1422				M1.6	9393	9.4E-03	
29	1428	1434	1441				M1.3		8.8E-03	
29	1452	1458	1505				M1.5	9393	9.3E-03	
29	1520	1525	1533	N14	W15	SF	M1.2	9393	8.7E-03	
29	1609	1635	1649				C6.3	9397	1.1E-02	
29	1733	1737	1742	N16	W15	SF	C5.4	9393	2.2E-03	
29	1812	1817	1820	N15	W17	SF	C4.1	9393	1.9E-03	
29	1826	1841	1849	N14	W17	SF	C7.1	9393	7.5E-03	
29	2010	2017	2023	N14	W19	SF	C6.9	9393	4.2E-03	
29	2043	2101	2109				M1.2		1.1E-02	
30	0107	0110	0113	N13	W22	SF	C7.9	9393	2.6E-03	
30	0220	0228	0233	N14	W22	SF	C7.5	9393	5.2E-03	

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/	Region	Flux
								USAF		
30	0346	0350	0353	N17	W16	SF	C4.4	9393	1.7E-03	
30	0511	0515	0520				M2.2	9393	1.1E-02	
30	0916	0928	0936	N17	W20	SF	M1.0	9393	1.0E-02	
30	1036	1040	1043				C7.7		2.4E-03	
30	1106	1110	1111				C4.5		1.1E-03	
30	1504	1510	1517	N16	W24	SF	C4.7	9393	3.2E-03	
30	1522	1528	1548	S08	W04	SF	C4.9	9397	7.5E-03	
30	1714	1718	1722	S08	E25	SF	C5.2	9404	2.2E-03	
30	1819	1840	1853	N17	W26	SF	C4.7	9393	8.9E-03	
31	0023	0031	0038	N19	W23	SF	C5.3	9393	4.2E-03	
31	0104	0104	0104				C3.2			
31	0223	0225	0227	N17	W29	SF	C3.2	9393	7.0E-04	
31	0304	0336	0351	N17	W30	SF	C4.1	9393	1.0E-02	
31	0701	0709	0727	S05	E20	SF	C4.9	9404	6.5E-03	
31	1100	1112	1131	N16	W34	SF	M2.1	9393	2.8E-02	
31	1949	1953	1959				C3.9		2.1E-03	
31	2149	2153	2158	N20	W26	SF	C3.4	9401	1.6E-03	

Preliminary GOES Satellite Daily X-Ray Background Apr 2000 - Mar 2001



Day	Apr 00	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan 01	Feb	Mar
1	C1.3	B4.4	B6.4	B7.4	B5.2	B4.5	C1.5	B8.0	B8.0	B4.9	B7.3	B2.3
2	C1.2	B5.0	B5.0	B6.7	B4.4	B6.3	C1.3	B8.4	B8.4	B5.4	B7.2	B2.1
3	C1.0	B4.5	C5.6	B5.7	B7.0	B4.6	B7.7	B8.0	B8.0	B6.5	C2.4	B3.2
4	C1.1	B5.0	B5.9	B5.7	B6.0	B7.5	B7.0	C2.0	C2.0	C3.9	B9.8	B4.5
5	C1.5	B4.7	C1.3	B5.9	B4.4	C1.1	B6.1	C1.2	C1.2	B6.9	B5.5	B3.2
6	B9.6	B5.1	C1.0	B6.2	B7.4	B8.2	B5.3	B8.0	B8.0	B6.0	C1.0	B5.5
7	B8.7	B2.3	C1.6	C1.0	B6.0	B5.5	B5.3	B8.9	B8.9	C1.0	B5.5	C1.4
8	B7.6	B2.9	C1.3	C1.0	B7.7	B6.8	B7.4	C1.1	C1.1	B7.4	B4.4	B9.8
9	C1.0	B3.9	B7.7	C3.3	B7.9	B5.1	B5.0	M1.1	M1.1	B7.3	B4.4	C1.2
10	C1.8	B7.4	B7.1	C1.7	B8.7	B8.6	C1.7	C1.3	C1.3	C1.7	B7.6	C1.0
11	B7.6	C1.0	C1.0	C5.5	B8.2	B4.1	B5.3	B6.1	B6.1	B8.0	B5.0	B6.0
12	C1.1	C1.2	C1.1	C2.4	C1.4	B5.1	B4.7	B4.9	B4.9	B5.6	B3.3	B6.1
13	B5.6	C2.6	B8.8	C3.6	B9.7	B3.8	C1.3	B4.8	B4.8	B6.7	B3.4	B5.1
14	B5.4	C4.1	B9.4	C2.9	B9.3	B5.5	C1.1	B4.7	B4.7	B7.7	B2.8	B3.9
15	B5.3	C1.8	C1.0	C2.6	B9.0	B6.7	C1.2	B5.1	B5.1	B6.7	B3.0	B3.2
16	B4.8	C1.3	C1.2	C1.7	C1.4	B7.4	C1.5	B9.9	B9.9	B5.5	B3.2	B5.4
17	B5.1	C2.7	C1.1	C2.3	B6.7	C1.3	B8.8	B6.3	B6.3	B7.9	B1.9	B2.7
18	B4.7	C2.0	C1.3	C1.5	B5.1	C1.3	B8.2	B8.3	B8.3	B5.8	B2.1	B2.8
19	B7.2	C2.9	B7.4	C2.1	B5.5	C1.6	B6.8	C1.4	C1.4	B4.8	B3.3	B5.2
20	C1.0	C2.2	B6.7	C2.6	B5.0	C1.0	B5.5	C1.8	C1.8	B7.3	B5.4	B8.2
21	B8.7	C1.9	B7.9	C2.1	B6.8	C1.1	B5.3	B8.7	B8.7	B7.3	B3.5	B9.6
22	B8.9	C1.6	C1.2	C2.3	B5.5	C1.1	B5.1	C1.0	C1.0	B6.2	B3.9	C1.6
23	B7.4	B9.6	B9.9	C1.8	B4.5	C2.3	B6.6	C1.4	C1.4	B5.6	B3.4	C1.6
24	B7.6	C2.4	B8.1	C1.5	B4.5	C1.3	B6.1	C1.9	C1.9	C1.1	B6.1	B9.4
25	B6.2	C1.9	C1.2	C1.4	B3.8	C1.4	B6.0	C2.1	C2.1	B5.2	B2.8	C2.6
26	B5.5	B7.9	C1.1	C1.5	B4.3	C1.0	B9.4	B8.7	B8.7	B5.4	B4.1	C1.4
27	B5.1	B6.2	B7.9	C1.3	B5.8	C1.7	C1.0	B8.9	B8.9	B5.9	B5.1	C2.1
28	B5.7	B8.7	B7.3	B9.2	B8.8	C1.4	C1.1	B8.9	B8.9	B8.1	B2.4	C2.8
29	B5.8	B5.7	B6.2	B6.6	B7.1	C1.1	C1.5	B8.7	B8.7	B7.8		C3.8
30	B6.0	B8.0	B8.0	B5.5	C1.7	C1.2	B9.4	B7.3	B7.3	B5.9		C3.4
31		B7.3		B4.6	B5.2		C1.0			B7.4		C2.8

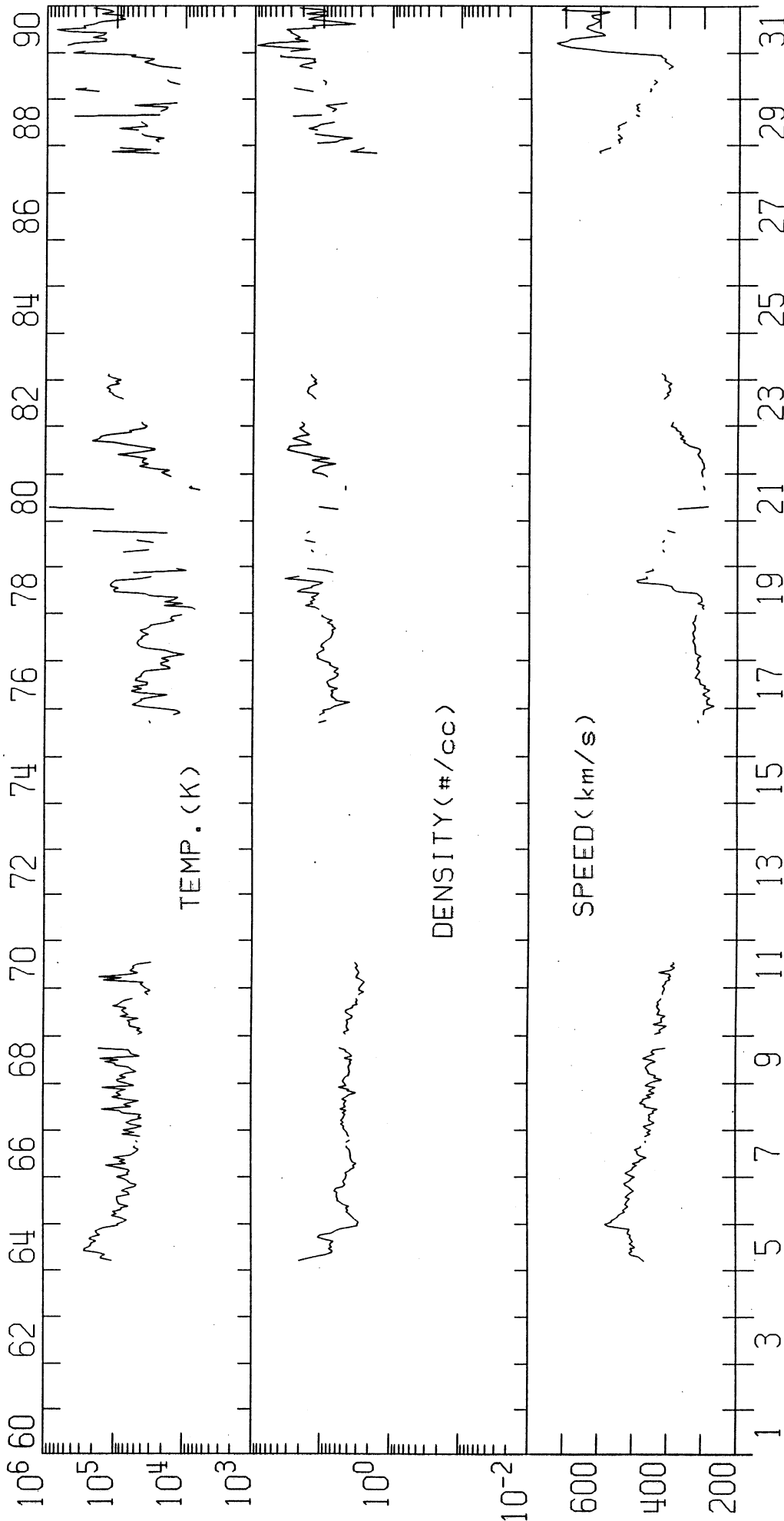
ACTIVE PROMINENCES AND FILAMENTS

MARCH 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
01	DSF	0946U	0039U	N09	W21	02	27.9	2	25	0	0	E	LEAR		
01	DSF	1023U	2302U	S33	E18	03	2.9		08	0	0	E	LEAR		
05	LPS	1025E	0000	N22	W44	03	2.0			0	0	E	SVTO	9371	
05	LPS	1025E	1307D	N21	W44	03	2.1			0	0	E	SVTO	9371	
06	DSF	1011U	2301U	S33	E26	03	8.5		07	0	0	E	LEAR		
07	DSF	1015U	2304U	N40	E63	03	12.5	2	21	0	0	E	LEAR		
09	DSF	0958U	2316U	S05	E18	03	10.8	2		0	0	E	LEAR		
11	DSF	1430U	1356U	S56	E03	03	11.9		24	0	0	E	SVTO		
11	DSF	2006U	1119U	S55	E04	03	12.2		22	0	0	E	RAMY		
11	EPL	2333	0006	S12	E80	03	18.0	3		0	0	E	HOLL	9376	
12	DSF	0030U	1338U	S60	E05	03	12.5		25	0	0	E	HOLL		
13	DSF	2111U	1141U	S27	W40	03	10.8		17	0	0	E	RAMY		
13	DSF	2329U	1411U	S41	W29	03	11.6		09	0	0	E	HOLL		
14	DSF	0625	1158	S37	W38	03	11.2	3	10	0	0	E	SVTO		
18	DSF	1555U	0652U	S21	E57	03	23.0		08	0	0	E	SVTO		
19	DSF	0939U	2338U	N19	E32	03	21.8		22	0	0	E	LEAR		
19	DSF	1503U	0653U	N25	E13	03	20.6		18	0	0	E	SVTO		
19	DSF	1823U	1104U	S50	E19	03	21.4		08	0	0	E	RAMY		
20	DSF	0905U	2317U	S24	E16	03	21.6		10	0	0	E	LEAR	9385	
21	SPY	0245	0257	S05	W65	03	16.2			9	9	E	LEAR	9373	Flare Associated
23	DSF	0948U	2304U	N18	W24	03	21.6		10	0	0	E	LEAR		
23	DSF	0948U	2304U	N27	W35	03	20.7		15	0	0	E	LEAR	9392	
23	DSF	1410U	0532U	N26	W47	03	19.9		11	0	0	E	SVTO		
24	DSF	0025U	1407U	S42	W20	03	22.4	3		0	0	E	HOLL		
24	DSF	0025U	1407U	S46	W02	03	23.8	3		0	0	E	HOLL		
24	BSL	0136	0142	S13	W86	03	17.6			9	9	E	LEAR	9376	Flare Associated
28	DSF	0451	0538	N20	E69	04	2.5	1	11	0	0	E	LEAR		
30	DSF	1802U	1112U	N17	W54	03	26.6		19	0	0	E	RAMY	9400	
31	DSF	1802U	1112U	N17	W54	03	27.6		19	0	0	E	RAMY	9400	

IMP 8 SOLAR WIND PLASMA
MARCH 2001

MIT/CSR IMP 8 PLASMA PARAMETERS



MAR 2001

MAR 2001

IMP 8

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ONE-HOUR AVERAGES