SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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

SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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		OOL 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		11L
	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		12L
	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		

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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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		
	6700	CUBA	1	S	1957.2	1957.8	1.8	10.0	5.0		19R
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

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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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			
	900	GORK		S/F	0902.2	0902.8	1.2	140.0			
	2950	GORK	1	S	0938.0	0938.8	1.4	3.3			
	9100	GORK	1	S	0938.4	0938.5	1.3	11.0			
	204	IZMI	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		V=1
	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			
	2950	GORK	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			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		
	204	IZMI	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

SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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		V=1
	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
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MARCH 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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	U	74.0			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	U	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	U	34.0			QL=2 ST=2 TYP=3
	1415	SVTO	8	S	1311.0	1311.0	U	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	U	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	0700.0		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		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	U	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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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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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	U	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	U	42.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2008.0	2008.0	U	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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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	U	46.0			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	U	160.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0917.0	0917.0	U	100.0			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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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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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MARCH 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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		3R
	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		0L
	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		6L
	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		5L SUNSET
	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		7L
	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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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

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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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		155.0D		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	190.0D	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	99.0U	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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MARCH 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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	U	59.0			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	U	47.0			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	U	840.0			QL=2 ST=2 TYP=6
29	245	SVTO	43	NS	0458.0	1350.0	710.0	1400.0			QL=2 ST=2 TYP=1
	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	U	49.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	0245.0	0245.0	U	35.0			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	U	63.0			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			

S O L A R R A D I O E M I S S I O N
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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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

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 Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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			

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
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		224.0D		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	234.0D	15.0	7.0		0L
	2800	PENT	29	PBI	1606.0	1614.0	26.0U	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	229.0D	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