SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2002

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	127	TORN	44	NS	0900.0E		360.0D		17.0		V=1
	235	CUBA	44	NS	1315.0E		515.0D		5.0		
	280	CUBA	44	NS	1315.0E		515.0D		11.0		
	2804	VORO	4	S/F	0004.4	0010.9	8.1	61.4			
	2840	PEKG	3	S	0005.0	0011.1	16.0	59.1			
	2800	HIRA	4	S/F	0006.0	0011.0	7.0	70.0			0
	2695	LEAR	4	S/F	0007.0	0010.0	5.0	66.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0008.0	0011.0	3.0	23.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0008.0	0010.0	3.0	45.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0010.0	0010.0	1.0	60.0			QL=4 ST=2 TYP=3
	2804	VORO	29	PBI	0012.5	0012.5	50.0	9.7			
	245	LEAR	8	S	0116.0	0116.0	U	72.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0117.0	0117.0	3.0	30.0			0
	200	HIRA	8	S	0122.0	0122.0	1.0	15.0			0
	2840	PEKG	3	S	0522.0	0529.6	13.0	31.7			
	200	HIRA	47	GB	0528.0	0529.0	2.0	2310.0			0
	245	LEAR	49	GB	0528.0	0529.0	1.0	1100.0			QL=4 ST=3 TYP=6
	4995	LEAR	8	S	0529.0	0529.0	U	73.0			QL=4 ST=3 TYP=3
	900	GORK	41	F	0754.5	0754.6	4.2	11.0			
	900	GORK	41	F	0754.5	0754.8		12.0			
	900	GORK	2	S/F	0816.5	0817.3	2.0	8.9			
	900	GORK	4	S/F	0845.7	0845.8	0.5	16.0			
	204	IZMI	42	SER	0916.7	0916.9	17.3	38.0			
	900	GORK	41	F	1126.9	1131.0		15.0			
	900	GORK	41	F	1126.9	1127.6	5.5	6.8			
	410	SVTO	8	S	1231.0	1231.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2130.0	2130.0	U	87.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2334.0	2334.0	U	63.0			QL=4 ST=2 TYP=3
02	127	TORN	43	NS	0902.0		358.0		17.0		V=0
	235	CUBA	44	NS	1405.0E		150.0D		5.0		
	280	CUBA	44	NS	1405.0E		150.0D		14.0		
	200	HIRA	8	S	0016.0	0016.0	1.0	50.0			0
	245	LEAR	8	S	0016.0	0016.0	U	93.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0016.0	0017.0	1.0	150.0			QL=4 ST=2 TYP=3
	2804	VORO	8	S	0400.0	0400.1	0.4	2.3			
	2804	VORO	1	S	0451.1	0451.7	1.3	2.3			
	900	GORK	2	S/F	0634.0	0634.4	0.5	6.8			
	900	GORK	8	S	0708.0	0708.1	0.2	10.0			
	3000	IZMI	20	GRF	0758.5	0800.2	2.7	8.0	5.0		
	2950	GORK	45	C	0922.5	0923.0	2.6	6.6			
	2950	GORK	45	C	0922.5	0924.1		7.7			
	3000	IZMI	7	C	0922.6	0924.0	2.2	11.0	4.0		
	8800	SGMR	8	S	1531.0	1531.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	SGMR	48	C	2015.0	2018.0	3.0	120.0			QL=4 ST=2 TYP=8
	410	SGMR	8	S	2017.0	2018.0	1.0	91.0			QL=4 ST=2 TYP=3
03	127	TORN	44	NS	0700.0E		480.0D		12.0		V=1
	235	CUBA	44	NS	1300.0E		120.0D		4.0		
	280	CUBA	44	NS	1300.0E		120.0D		14.0		
	200	HIRA	8	S	0102.0	0102.0	1.0	20.0			0
	2840	PEKG	5	S	0201.0	0204.2	8.0	24.2			
	2695	LEAR	8	S	0203.0	0203.0	1.0	20.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0203.0	0203.0	1.0	17.0			QL=4 ST=2 TYP=3
	2804	VORO	42	SER	0203.1	0205.1	5.3	8.1			
	2804	VORO	42	SER	0203.1	0203.4	2.5	14.2			
	2804	VORO	42	SER	0203.1	0203.8	6.2	25.5			
	200	HIRA	8	S	0227.0	0227.0	1.0	15.0			0
	2840	PEKG	5	S	0227.0	0230.4	8.0	22.6			
	2804	VORO	2	S/F	0437.1	0438.1	1.1	5.1			
	200	HIRA	8	S	0513.0	0513.0	1.0	10.0			0
	200	HIRA	7	C	0535.0	0541.0	7.0	65.0			0
	200	HIRA	8	S	0656.0	0656.0	1.0	10.0			0
	204	IZMI	42	SER	0656.1	0656.2	0.3	34.0			
	204	IZMI	7	C	0751.9	0751.9	0.2	8.0			
	204	IZMI	42	SER	0823.6	0823.8	1.3	13.0			
	245	LEAR	8	S	0857.0	0857.0	U	61.0			QL=4 ST=2 TYP=3
04	127	TORN	43	NS	0930.0		290.0		11.0		V=0

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

MARCH 2002

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
04	2804	VORO	8	S	0248.6	0249.1	0.8	2.3			
	2804	VORO	1	S	0337.3	0338.0	1.9	1.9			
	245	LEAR	8	S	0629.0	0629.0	U	170.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0730.0	0730.0	1.0	360.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0730.0	0730.0	1.0	33.0			QL=2 ST=2 TYP=3
	245	SVTO	48	C	0731.0	0731.0	3.0	350.0			QL=4 ST=2 TYP=8
	204	IZMI	42	SER	0731.2	0732.7	4.4	25.0			
	245	LEAR	8	S	0733.0	0733.0	U	39.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0733.0	0733.0	U	45.0			QL=2 ST=2 TYP=3
	610	LEAR	8	S	0733.0	0733.0	U	31.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0734.0	0734.0	U	70.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0734.0	0734.0	U	29.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0837.4	0838.9	1.6	12.0			
	204	IZMI	7	C	0839.1	0839.2	0.3	59.0			
	410	SVTO	8	S	0852.0	0853.0	1.0	81.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	1059.3	1059.4	0.3	31.0			
	410	SGMR	8	S	1338.0	1338.0	U	65.0			QL=4 ST=2 TYP=3
05	127	TORN	43	NS	0810.0		410.0		9.0		V=0
	235	CUBA	44	NS	1305.0E		115.0D		5.0		
	280	CUBA	44	NS	1305.0E		115.0D		13.0		
	245	PALE	48	C	0320.0	0320.0	2.0	160.0			QL=4 ST=2 TYP=8
	900	GORK	46	C	0951.5	0951.6	1.0	50.0			
	900	GORK	46	C	0951.5	0951.7		42.0			
	410	SGMR	8	S	1337.0	1337.0	U	62.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1337.0	1337.0	U	93.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2314.0	2315.0	1.0	165.0			
	245	LEAR	8	S	2314.0	2314.0	1.0	430.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2314.0	2314.0	U	31.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2314.0	2314.0	1.0	410.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2340.0	2340.0	1.0	20.0			
	200	HIRA	8	S	2345.0	2345.0	1.0	20.0			
06	127	TORN	43	NS	0902.0		298.0		9.0		V=0
	235	CUBA	44	NS	1305.0E		85.0D		5.0		
	280	CUBA	44	NS	1305.0E		85.0D		13.0		
	245	LEAR	43	NS	2355.0	0013.0	40.0	190.0			QL=4 ST=2 TYP=1
	200	HIRA	8	S	0117.0	0117.0	1.0	10.0			0
	200	HIRA	8	S	0218.0	0218.0	1.0	10.0			0
	33	UPIC	45	C	0656.0	0656.5	1.0				
	33	UPIC	45	C	0725.0	0726.0	2.5				
	204	IZMI	42	SER	0820.2	0820.4	0.3	38.0			
	245	SGMR	8	S	1222.0	1222.0	U	64.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1452.0	1452.0	U	51.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1606.0	1607.0	1.0	340.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1914.0	1914.0	U	65.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1914.0	1914.0	U	78.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1917.0	1917.0	2.0	85.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1917.0	1918.0	2.0	270.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1917.0	1918.0	2.0	52.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1918.0	1918.0	1.0	280.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1918.0	1918.0	U	50.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1918.0	1918.0	U	41.0			QL=4 ST=2 TYP=3
07	127	TORN	43	NS	0735.0		445.0		10.0		V=1,DISRURBED
	235	CUBA	44	NS	1340.0E		80.0D		6.0		
	280	CUBA	44	NS	1340.0E		80.0D		14.0		
	200	HIRA	8	S	0033.0	0034.0	1.0	15.0			0
	3000	IZMI	20	GRF	0826.2	0830.2	11.5	6.0			
	2800	PENT	40	F	1746.0	1749.0	13.0	7.0			
	245	PALE	8	S	1750.0	1750.0	U	160.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1750.0	1750.0	U	160.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2047.0	2047.0	U	150.0			QL=4 ST=2 TYP=3
08	127	TORN	43	NS	0819.0		308.0		13.0		V=0
	235	CUBA	44	NS	1330.0E		90.0D		6.0		
	280	CUBA	44	NS	1330.0E		90.0D		14.0		
	2804	VORO	40	F	0011.4	0011.9	2.5	11.6			
	245	LEAR	8	S	0047.0	0047.0	U	72.0			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 2002

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	2804	VORO	1	S	0047.8	0048.4	1.2	2.0			
	204	IZMI	7	C	0945.2	0945.2	0.1	10.0			
	9100	GORK	46	C	0954.6	0954.7	1.3	35.0			
	9100	GORK	46	C	0954.6	0954.9		86.0			
	9500	CUBA	1	S	1506.9	1507.8	2.1	10.0	5.0		
09	127	TORN	43	NS	0930.0		330.0		12.0		V=0
	235	CUBA	44	NS	1300.0E		80.0D		7.0		
	280	CUBA	44	NS	1300.0E		80.0D		16.0		
	900	GORK	46	C	0609.0	0612.1		13.0			
	900	GORK	46	C	0609.0	0610.8	3.7	20.0			
	900	GORK	28	PRE	0620.8	0626.4	10.3	7.4			
	900	GORK	4	S/F	0631.1	0633.0	6.1	53.0			
	900	GORK	2	S/F	0639.5	0640.3	1.3	4.9			
	900	GORK	42	SER	1032.5	1032.6	22.2	15.0			
	900	GORK	42	SER	1032.5	1049.7		9.8			
	9100	GORK	1	S	1054.3	1054.4	2.2	6.4			
	9500	CUBA	1	S	1338.2	1341.1	5.7	15.0	7.0		
	6700	CUBA	1	S	1339.0	1341.0	4.8	8.0	4.0		12L
	2695	PALE	46	C	1400.0	1842.0	600.0	30.0			QL=4 ST=1 TYP=8
	9500	CUBA	1	S	1735.7	1736.3	2.9	11.0	5.0		
	2800	PENT	45	C	1825.0	1843.0	189.0	39.0U			
	9500	CUBA	1	S	1829.3	1830.0	1.5	19.0	9.0		
	6700	CUBA	1	S	1829.4	1830.0	1.4	12.0	6.0		7L
	8800	SGMR	4	S/F	1833.0	1836.0	45.0	280.0			QL=4 ST=3 TYP=3
	6700	CUBA	4	S/F	1833.3	1836.8	21.7	209.0	104.0		3R C.POL
	9500	CUBA	4	S/F	1833.5	1836.7	20.7	240.0	120.0		
	8800	PALE	48	C	1834.0	1836.0	25.0	280.0			QL=4 ST=2 TYP=8
	4995	PALE	48	C	1834.0	1837.0	32.0	130.0			QL=4 ST=2 TYP=8
	4995	SGMR	4	S/F	1834.0	1837.0	44.0	130.0			QL=4 ST=3 TYP=3
	15400	SGMR	4	S/F	1834.0	1836.0	44.0	98.0			QL=4 ST=3 TYP=3
	2695	PALE	46	C	1834.0E	1842.0U	8.0D	30.0			QL=4 ST=2 TYP=8
	1415	SGMR	4	S/F	1841.0	1842.0	37.0	40.0			QL=4 ST=3 TYP=3
	1415	PALE	48	C	1842.0	1842.0	1.0	54.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1842.0	1843.0	36.0	34.0			QL=4 ST=3 TYP=3
	15400	PALE	8	S	1853.0	1853.0	U	160.0			QL=4 ST=2 TYP=3
	9500	CUBA	29	PBI	1854.2	1854.2	167.8	58.0	29.0		
	6700	CUBA	29	PBI	1855.0	1855.0	11.0	57.0	23.0		00L
	1415	PALE	8	S	1927.0	1927.0	U	210.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1927.0	1927.0	U	120.0			QL=4 ST=2 TYP=3
	2800	PENT	45	C	2228.0	2250.0	128.0	32.0U			
	500	HIRA	7	C	2257.0	2300.0	4.0	30.0			0
	2804	VORO	2	S/F	2330.6	2331.2	1.3	4.0			
10	127	TORN	44	NS	0700.0E		480.0D		13.0		V=1
	235	CUBA	44	NS	1400.0E		60.0D		6.0		
	280	CUBA	44	NS	1400.0E		60.0D		19.0		
	245	SGMR	43	NS	1445.0	1507.0	94.0	87.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1839.0	1839.0	28.0	71.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0108.0	0108.0	U	53.0			QL=2 ST=2 TYP=3
	2840	PEKG	3	S	0130.0	0135.3	17.0	224.0			
	410	PALE	4	S/F	0132.0	0134.0	5.0	260.0			QL=4 ST=2 TYP=3
	500	HIRA	3	S	0134.0	0135.0	8.0	30.0			0
	245	LEAR	8	S	0134.0	0135.0	2.0	860.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0134.0	0134.0	1.0	110.0			QL=2 ST=2 TYP=3
	610	LEAR	8	S	0134.0	0135.0	2.0	44.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	0134.0	0135.0	1.0	300.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0134.0	0135.0	1.0	450.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0134.0	0135.0	7.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0134.0	0135.0	5.0	190.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0134.0	0135.0	5.0	280.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0134.0	0135.0	1.0	110.0			QL=4 ST=1 TYP=3
	4995	PALE	8	S	0134.0	0135.0	2.0	270.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0134.0	0135.0	1.0	330.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	0134.0	0135.0	1.0	370.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0134.0	0135.0	1419.0	170.0			QL=4 ST=1 TYP=3
	2804	VORO	3	S	0134.4	0135.3	26.6	192.7			
	200	HIRA	8	S	0135.0	0135.0	1.0	325.0			0
	245	PALE	8	S	0135.0	0135.0	1.0	950.0			QL=4 ST=2 TYP=3

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10	610	PALE	8	S	0135.0	0135.0	U	34.0			QL=4 ST=2 TYP=3
	2800	HIRA	3	S	0135.0	0135.0	16.0	210.0			ML
	410	PALE	48	C	0347.0	0357.0	12.0	180.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0357.0	0357.0	1.0	240.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0357.0	0357.0	1.0	140.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0357.0	0358.0	1.0	230.0			QL=4 ST=2 TYP=3
	2804	VORO	2	S/F	0357.7	0358.0	2.4	6.5			
	2840	PEKG	45	C	0500.0	0503.9	12.0	115.9			
	2800	HIRA	4	S/F	0503.0	0503.0	5.0	90.0			ML
	500	HIRA	4	S/F	0503.0	0503.0	5.0	330.0			O
	200	HIRA	7	C	0503.0	0504.0	3.0	410.0			O
	410	LEAR	49	GB	0503.0	0503.0	1.0	1900.0			QL=4 ST=2 TYP=6
	610	LEAR	8	S	0503.0	0503.0	2.0	98.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0503.0	0504.0	2.0	100.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0503.0	0503.0	2.0	88.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0503.0	0504.0	2.0	100.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0503.0	0504.0	1.0	110.0			QL=4 ST=2 TYP=3
	2804	VORO	45	C	0503.2	0503.9	11.2	103.7			
	245	LEAR	49	GB	0504.0	0504.0	1.0	4400.0			QL=4 ST=2 TYP=6
	600	GORK	4	S/F	0616.5	0620.3	9.1	35.0			
	600	GORK	47	GB	0637.5	0649.1	61.5	750.0			
	900	GORK	40	F	0801.2	0801.8	0.9	7.8			
	600	GORK	46	C	0919.8	0920.2	1.1	3.6			
	600	GORK	46	C	0919.8	0920.4		12.0			
	2950	GORK	21	GRF	0930.0U	1005.0	120.0D	9.1			
	9100	GORK	21	GRF	0938.0	1019.5	112.0D	15.0			
	600	GORK	40	F	0939.2	0941.2	2.6	13.0			
	9100	GORK	2	S/F	0945.6	0946.2	1.0	8.2			
	600	GORK	42	SER	0953.4	1005.4		22.0			
	600	GORK	42	SER	0953.4	0953.5	12.5	12.0			
	9100	GORK	46	C	0957.6	0958.5	2.9	50.0			
	9100	GORK	46	C	0957.6	0959.9		18.0			
	3000	IZMI	22	GRF	0959.3	1001.2	4.5	28.0	9.0		
	8800	LEAR	8	S	1000.0	1001.0	1.0	55.0			QL=4 ST=2 TYP=3
	900	GORK	46	C	1000.6	1005.0		58.0			
	900	GORK	46	C	1000.6	1004.8	4.7	120.0			
	2950	GORK	46	C	1000.7	1001.2U	2.5	5.7U			
	2950	GORK	46	C	1000.7	1002.6U		10.0U			
	1415	LEAR	8	S	1001.0	1001.0	1.0	76.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	1001.0	1001.0	U	23.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	1001.0	1001.0	U	40.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1001.0	1001.0	U	75.0			QL=4 ST=2 TYP=3
	9100	GORK	4	S/F	1003.2U	1003.4	1.8D	33.0			
	127	TORN	7	C	1005.0U	1005.3	1.3U		30.0		
	204	IZMI	42	SER	1005.4	1005.9	0.6	15.0			
	245	SVTO	8	S	1058.0	1059.0	1.0	90.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1058.0	1059.0	1.0	140.0			QL=4 ST=2 TYP=3
	600	GORK	46	C	1058.6	1059.3		160.0U			
	600	GORK	46	C	1058.6	1058.9	4.6	150.0			
	204	IZMI	46	C	1058.9	1059.0	1.8	156.0			
	900	GORK	2	S/F	1058.9	1059.5	4.5	4.5			
	3000	IZMI	5	S	1059.0	1059.4	1.4	8.0	4.0		
	33	UPIC	46	C	1059.0	1059.5	1.5				
	9100	GORK	2	S/F	1059.2	1059.7	0.8	9.8			
	900	GORK	4	S/F	1102.7	1103.0	0.6	60.0			
	3000	IZMI	7	C	1102.7	1103.0	1.7	15.0	4.0		
	2950	GORK	1	S	1102.8U	1103.1	1.0D	10.0			
	245	SGMR	8	S	1200.0	1200.0	1.0	86.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1200.0	1200.0	U	210.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1200.0	1200.0	U	56.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1200.0	1200.0	1.0	64.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1200.0	1200.0	U	280.0			QL=4 ST=2 TYP=3
	204	IZMI	46	C	1200.3	1200.8	0.7	189.0			
	245	SGMR	8	S	1400.0	1400.0	U	86.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1412.0	1413.0	1.0	270.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1412.0	1412.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1413.0	1413.0	U	290.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1506.0	1506.0	U	52.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1559.0	1559.0	U	56.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2002

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	245	SVTO	8	S	1618.0	1618.0	U	56.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1824.0	1825.0	1.0	50.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1824.0	1825.0	1.0	62.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1839.0	1839.0	U	63.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2057.0	2058.0	1.0	280.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2057.0	2057.0	U	250.0			QL=4 ST=2 TYP=3
11	127	TORN	43	NS	0900.0		420.0		30.0		V=2
	204	IZMI	43	NS	0948.0		132.0D		20.0		
	235	CUBA	44	NS	1305.0E		55.0D		12.0		
	280	CUBA	44	NS	1305.0E		55.0D		21.0		
	245	LEAR	43	NS	2322.0	0118.0	191.0	220.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	2354.0	2354.0	6.0	82.0			QL=4 ST=3 TYP=1
	200	HIRA	8	S	0139.0	0139.0	1.0	30.0			0
	900	GORK	42	SER	0919.8	0920.1	9.2	14.0			
	900	GORK	42	SER	0919.8	0928.6		10.0			
	33	UPIC	45	C	1308.0	1309.0	2.0				
	33	UPIC	45	C	1319.5	1320.0	1.5				
	245	SGMR	8	S	1819.0	1819.0	U	170.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1819.0	1819.0	U	37.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1905.0	1905.0	U	210.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1905.0	1905.0	U	200.0			QL=4 ST=2 TYP=3
	2804	VORO	27	RF	2320.0U	2439.0	240.0D	33.0			
	245	PALE	8	S	2322.0	2322.0	U	100.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2327.0	2328.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2343.0	2343.0	1.0	1500.0			QL=4 ST=2 TYP=6
	1415	PALE	48	C	2344.0	2344.0	2.0	57.0			QL=4 ST=2 TYP=8
	610	PALE	4	S/F	2344.0	2347.0	3.0	37.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2346.0	2346.0	1.0	20.0			0
12	245	LEAR	43	NS	0311.0	0310.0	66.0	92.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0436.0	0437.0	44.0	110.0			QL=4 ST=2 TYP=1
	127	TORN	44	NS	0700.0E		400.0D		14.0		V=1
	235	CUBA	44	NS	1305.0E		355.0D		6.0		
	280	CUBA	44	NS	1305.0E		355.0D		15.0		
	245	PALE	48	C	0015.0	0020.0	110.0	2600.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	0016.0	0135.0	109.0	1200.0			QL=4 ST=2 TYP=8
	610	LEAR	48	C	0016.0	0136.0	110.0	1400.0			QL=4 ST=2 TYP=8
	410	LEAR	48	C	0018.0	0047.0	109.0	430.0			QL=4 ST=2 TYP=8
	410	PALE	48	C	0018.0	0047.0	108.0	350.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0019.0	0036.0	37.0	260.0			QL=4 ST=2 TYP=8
	1415	PALE	48	C	0019.0	0025.0	1421.0	180.0			QL=4 ST=1 TYP=8
	4995	LEAR	8	S	0020.0	0021.0	1.0	25.0			QL=4 ST=2 TYP=3
	1415	PALE	48	C	0143.0	0143.0	1.0	180.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0256.0	0256.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	0306.0	0309.0	5.0	100.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0723.3	0734.5	32.2	104.0			
	2840	PEKG	3	S	0830.0	0834.2	12.0	15.5			
	610	LEAR	8	S	0833.0	0833.0	1.0	130.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0833.0	0833.0	1.0	300.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0833.3	0834.0	1.7	12.0			
	9100	GORK	4	S/F	0833.4	0834.0	7.4	25.0			
	600	GORK	46	C	0833.4	0834.0	1.5	36.0			
	3000	IZMI	22	GRF	0833.4	0834.0	6.6	17.0	5.0		
	600	GORK	46	C	0833.4	0834.1		23.0			
	9100	GORK	46	C	0940.7	0941.0	1.2	36.0			
	9100	GORK	46	C	0940.7	0941.2		50.0			
	9100	GORK	2	S/F	0958.9	0959.3	2.0	10.0			
	204	IZMI	41	F	1011.1	1011.1	0.1	31.0			
	6700	CUBA	2	S/F	1633.2	1634.8	3.8	24.0	12.0		6R
	9500	CUBA	2	S/F	1633.2	1634.8	3.1	22.0	11.0		
	2800	PENT	1	S	1901.0	1907.0	24.0	35.0			
	245	SGMR	49	GB	1906.0	1907.0	2.0	650.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1907.0	1907.0	U	97.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1907.0	1907.0	U	31.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1907.0	1907.0	U	73.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1907.0	1907.0	U	120.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1907.0	1907.0	U	29.0			QL=4 ST=2 TYP=3
	6700	CUBA	8	S	1907.0	1907.2	1.0	11.0	5.0		42R

S O L A R R A D I O E M I S S I O N
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MARCH 2002

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
12	9500	CUBA	8	S	1907.0	1907.3	1.0	111.0	55.0		
	610	LEAR	49	GB	2305.0	2305.0	1.0	580.0			QL=4 ST=2 TYP=6
	610	PALE	49	GB	2305.0	2306.0	1.0	750.0			QL=4 ST=2 TYP=6
	2800	PENT	4	S/F	2340.0	2346.0	19.0	7.0			
	2804	VORO	40	F	2345.0	2348.2	5.0	4.2			
	610	LEAR	48	C	2346.0	2348.0	2.0	180.0			QL=4 ST=2 TYP=8
	610	PALE	8	S	2346.0	2348.0	2.0	290.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2347.0	2347.0	1.0	66.0			QL=4 ST=2 TYP=3
13	280	CUBA	44	NS	1305.0E		60.0D		20.0		
	235	CUBA	44	NS	1305.0E		525.0D		8.0		
	2800	PENT	1	S	0038.0	0042.0	13.0	43.0			
	2840	PEKG	5	S	0039.0	0041.8	9.0	47.1			
	2800	HIRA	1	S	0041.0	0042.0	7.0	45.0			0
	200	HIRA	8	S	0041.0	0041.0	1.0	60.0			0
	610	LEAR	49	GB	0041.0	0041.0	1.0	1900.0			QL=4 ST=2 TYP=6
	245	LEAR	8	S	0041.0	0041.0	U	61.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0041.0	0041.0	U	150.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0041.0	0041.0	1.0	62.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0041.0	0041.0	1.0	38.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0041.0	0041.0	1.0	51.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0041.0	0041.0	U	59.0			QL=4 ST=2 TYP=3
	1415	PALE	48	C	0041.0	0041.0	2.0	65.0			QL=4 ST=3 TYP=8
	8800	PALE	46	C	0041.0	0041.0	U	49.0			QL=4 ST=3 TYP=8
	610	PALE	49	GB	0041.0	0041.0	1.0	2200.0			QL=4 ST=3 TYP=6
	410	PALE	8	S	0041.0	0041.0	U	130.0			QL=4 ST=3 TYP=3
	2804	VORO	3	S	0041.1	0041.8	7.2	225.7			
	15400	PALE	46	C	0042.0	0042.0	U	49.0			QL=4 ST=3 TYP=8
	610	LEAR	8	S	0407.0	0407.0	2.0	70.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0407.0	0408.0	2.0	70.0			QL=4 ST=3 TYP=3
	900	GORK	2	S/F	0731.1	0731.3	0.5	9.0			
	900	GORK	42	SER	0842.2	0843.0	12.9	5.6			
	900	GORK	42	SER	0842.2	0848.6		4.5			
	410	LEAR	8	S	0848.0	0848.0	U	380.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0848.0	0848.0	U	210.0			QL=4 ST=2 TYP=3
	9100	GORK	40	F	0934.0	0934.1	0.8	93.0			
	9100	GORK	40	F	0934.0	0934.4		165.0			
	9100	GORK	40	F	0934.0	0934.6		35.0			
	600	GORK	41	F	0946.7	0948.4		50.0			
	600	GORK	41	F	0946.7	0946.9	2.6	28.0			
	9100	GORK	4	S/F	1024.3U	1024.6	5.7D	35.0			
	900	GORK	2	S/F	1025.6	1026.0	0.9	7.4			
	600	GORK	1	S	1026.8	1027.0	0.4	6.1			
	204	IZMI	46	C	1113.9	1115.3	1.9	2660.0			
	245	SGMR	8	S	1114.0	1115.0	1.0	340.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1114.0	1114.0	1.0	71.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1114.0	1115.0	1.0	380.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1114.0	1115.0	1.0	230.0			QL=4 ST=2 TYP=3
	3000	IZMI	5	S	1114.8	1115.2	1.3	40.0	19.0		
	610	SVTO	8	S	1115.0	1115.0	U	38.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1115.0	1115.0	U	52.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1115.0	1115.0	U	32.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1115.0	1115.0	U	43.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1115.0	1115.0	U	34.0			QL=4 ST=2 TYP=3
	33	UPIC	4	S/F	1115.0	1115.0	1.0				
	245	SGMR	8	S	1358.0	1358.0	U	59.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1401.0	1401.0	U	55.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1431.0	1431.0	U	50.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1432.0	1432.0	U	150.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1452.5	1453.0	1.5				UNCERTN
	245	SGMR	8	S	1553.0	1553.0	U	250.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1553.0	1553.0	U	140.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1553.0	1553.0	U	150.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1553.0	1553.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1604.0	1604.0	1.0	310.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1604.0	1604.0	1.0	180.0			QL=4 ST=2 TYP=3
	2804	VORO	46	C	2313.8	2319.9	50.0	44.2			
	200	HIRA	7	C	2324.0	2328.0	12.0	25.0			0

S O L A R R A D I O E M I S S I O N
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MARCH 2002

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
14	204	IZMI	43	NS	0700.0		300.0D		15.0		
	235	CUBA	44	NS	1300.0E		60.0D		11.0		
	280	CUBA	44	NS	1300.0E		60.0D		19.0		
	2800	PENT	45	C	0019.0	0020.0	3.0U				
	2840	PEKG	47	GB	0135.0	0144.1	40.0	885.2			
	2804	VORO	47	GB	0139.6	0143.0U	29.5D	662.1			
	8800	LEAR	49	GB	0140.0	0143.0	59.0	1500.0			QL=4 ST=2 TYP=6
	2695	LEAR	48	C	0141.0	0144.0	29.0	1100.0			QL=4 ST=2 TYP=8
	1415	LEAR	49	GB	0141.0	0145.0	26.0	500.0			QL=4 ST=2 TYP=6
	4995	LEAR	49	GB	0141.0	0143.0	37.0	970.0			QL=4 ST=2 TYP=6
	15400	LEAR	49	GB	0141.0	0143.0	37.0	950.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	0152.0	0153.0	2.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0204.0	0205.0	1.0	100.0			QL=4 ST=2 TYP=3
	2804	VORO	29	PBI	0209.1	0257.5	170.0	24.9			
	245	LEAR	8	S	0221.0	0221.0	1.0	29.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1010.1	1010.4	0.8	118.0			
	245	SGMR	49	GB	1639.0	1639.0	1.0	580.0			QL=4 ST=2 TYP=6
	9500	CUBA	1	S	1646.0	1647.0	3.7	15.0	7.0		
	1415	SGMR	8	S	1647.0	1648.0	2.0	57.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1647.0	1648.0	2.0	60.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1647.0	1648.0	2.0	64.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1647.0	1648.0	2.0	37.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1754.0	1754.0	U	82.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1936.0	1936.0	U	52.0			QL=4 ST=2 TYP=3
15	2804	VORO	8	S	0246.6	0246.7	0.6	2.0			
	600	GORK	42	SER	0703.0	0728.5		9.2			
	600	GORK	42	SER	0703.0	0703.6	25.8	29.0			
	900	GORK	46	C	0703.3	0703.5	0.9	11.0			
	900	GORK	46	C	0703.3	0703.8		16.0			
	900	GORK	41	F	0706.2	0706.3	0.4	5.1			
	900	GORK	41	F	0706.2	0706.5		15.0			
	900	GORK	46	C	0728.3	0728.5	0.7	15.0			
	900	GORK	46	C	0728.3	0728.7		14.0			
	900	GORK	42	SER	0900.7	0920.5		9.8			
	900	GORK	42	SER	0900.7	0900.8	64.9	60.0			
	900	GORK	42	SER	0900.7	1003.9		13.0			
	900	GORK	2	S/F	1020.0	1020.2	1.2	8.9			
	900	GORK	2	S/F	1039.8	1040.0	0.6	10.0			
	3000	IZMI	45	C	1128.2	1128.7	4.7	71.0	24.0		
	2800	PENT	45	C	2138.0	2232.0	204.0U	172.0			
	245	PALE	48	C	2211.0	2211.0	109.0	380.0			QL=4 ST=1 TYP=8
	2800	HIRA	7	C	2219.0	2234.0	29.0	175.0			0
	410	PALE	48	C	2220.0	2236.0	46.0	220.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	2220.0	2236.0	43.0	190.0			QL=4 ST=2 TYP=8
	1415	PALE	48	C	2220.0	2234.0	40.0	240.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	2220.0	2234.0	43.0	190.0			QL=4 ST=2 TYP=8
	4995	PALE	48	C	2222.0	2234.0	42.0	160.0			QL=4 ST=2 TYP=8
	15400	PALE	48	C	2223.0	2223.0	U	62.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	2223.0	2234.0	41.0	120.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	2241.0E	2258.0	19.0D	58.0			QL=4 ST=3 TYP=3
	1415	LEAR	46	C	2241.0E	2249.0U	8.0D	33.0			QL=4 ST=3 TYP=8
	610	LEAR	48	C	2241.0E	2257.0U	16.0D	51.0			QL=4 ST=3 TYP=8
	4995	LEAR	48	C	2241.0E	2254.0U	13.0D	52.0			QL=4 ST=3 TYP=8
	245	LEAR	4	S/F	2241.0E	2258.0U	18.0D	60.0			QL=4 ST=3 TYP=3
	410	LEAR	48	C	2241.0E	2248.0U	25.0D	150.0			QL=4 ST=3 TYP=8
	245	PALE	49	GB	2306.0	2306.0	U	500.0			QL=4 ST=2 TYP=6
16	204	IZMI	44	NS	0700.0E		300.0D				
	127	TORN	44	NS	0920.0E		340.0D		110.0		V=1
	245	SGMR	43	NS	1147.0	1148.0	53.0	420.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1405.0E		235.0D		3.0		
	245	SGMR	43	NS	1544.0	1544.0	53.0	77.0			QL=4 ST=3 TYP=1
	245	SGMR	43	NS	1544.0	1544.0	496.0	77.0			QL=4 ST=3 TYP=1
	2804	VORO	1	S	0118.9	0120.4	3.2	7.5			
	245	LEAR	8	S	0119.0	0119.0	U	67.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0400.0	0400.0	U	130.0			QL=4 ST=2 TYP=3
	2804	VORO	8	S	0454.1	0454.3	0.6	2.9			
	245	LEAR	48	C	0512.0	0512.0	1.0	140.0			QL=4 ST=2 TYP=8

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

MARCH 2002

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
16	204	IZMI	7	C	0728.8	0728.8	0.1	15.0			
	600	GORK	42	SER	0841.8	0909.1		7.3			
	600	GORK	42	SER	0841.8	0842.1	39.2	5.8			
	600	GORK	42	SER	0841.8	0920.9		8.8			
	900	GORK	2	S/F	0857.1	0858.0	1.1	20.0			
	204	IZMI	41	F	0908.7	0908.8	0.6	10.0			
	9100	GORK	41	F	1033.7	1034.0	1.3	27.0			
	9100	GORK	41	F	1033.7	1034.8		47.0U			
	9100	GORK	20	GRF	1039.2	1040.9	14.0	7.9			
	1415	SGMR	49	GB	1121.0	1123.0	3.0	1500.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1121.0	1122.0	3.0	96.0			QL=4 ST=2 TYP=3
	1415	SVTO	49	GB	1121.0	1123.0	4.0	1600.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1121.0	1122.0	3.0	110.0			QL=4 ST=2 TYP=3
	3000	IZMI	45	C	1121.8	1122.5	3.0	77.0	24.9		
	245	SGMR	49	GB	1122.0	1122.0	U	1300.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1122.0	1122.0	1.0	170.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1122.0	1122.0	U	62.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1122.0	1122.0	U	1900.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	1122.0	1122.0	1.0	490.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1122.0	1122.0	2.0	150.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1122.0	1122.0	1.0	29.0			QL=4 ST=2 TYP=3
	33	UPIC	46	C	1122.0	1122.5	2.0				
	204	IZMI	46	C	1122.2	1122.4	3.0	256.0			
	245	SVTO	8	S	1356.0	1357.0	1.0	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1357.0	1357.0	U	72.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1845.0	1847.0	2.0	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1847.0	1847.0	U	88.0			QL=4 ST=3 TYP=3
	410	SGMR	48	C	1856.0	1901.0	8.0	62.0			QL=4 ST=2 TYP=8
	410	PALE	48	C	1857.0	1901.0	7.0	67.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	2121.0	2121.0	U	77.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2122.0	2122.0	U	110.0			QL=4 ST=2 TYP=3
	200	HIRA	7	C	2315.0	2316.0	5.0	30.0			0
17	245	LEAR	43	NS	0530.0	0530.0	52.0	89.0			QL=4 ST=2 TYP=1
	127	TORN	44	NS	0700.0E		480.0D		14.0		V=1
	235	CUBA	44	NS	1400.0E		360.0D		7.0		
	280	CUBA	44	NS	1400.0E		360.0D		11.0		
	2804	VORO	41	F	0030.0	0038.2	8.2	1.3			
	2804	VORO	41	F	0030.0	0034.3	4.3	3.0			
	2804	VORO	41	F	0030.0	0031.8	2.5	2.3			
	410	LEAR	8	S	0033.0	0034.0	2.0	60.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0033.0	0034.0	2.0	72.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0034.0	0034.0	1.0	30.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0034.0	0034.0	U	110.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0034.0	0034.0	U	71.0			QL=4 ST=2 TYP=3
	2804	VORO	23	GRF	0110.0	0118.6	36.9	2.7			
	2804	VORO	1	S	0114.1	0115.6	2.3	2.7			
	2804	VORO	1	S	0137.5	0139.2	1.7	2.7			
	200	HIRA	8	S	0138.0	0139.0	1.0	175.0			0
	610	LEAR	8	S	0245.0	0245.0	1.0	98.0			QL=4 ST=2 TYP=3
	2804	VORO	42	SER	0334.9	0347.1	12.2	14.0			
	2804	VORO	42	SER	0334.9	0335.8	2.2	6.5			
	2840	PEKG	3	S	0344.0	0349.2	10.0	17.2			
	4995	LEAR	4	S/F	0349.0	0349.0	3.0	21.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0355.0	0355.0	1.0	75.0			0
	2840	PEKG	3	S	0452.0	0455.7	10.0	16.0			
	200	HIRA	8	S	0454.0	0455.0	1.0	90.0			0
	245	LEAR	8	S	0454.0	0454.0	1.0	160.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0454.0	0454.0	U	24.0			QL=4 ST=2 TYP=3
	2804	VORO	2	S/F	0454.4	0455.6	2.2	14.8			
	410	LEAR	8	S	0455.0	0455.0	U	28.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0455.0	0455.0	1.0	42.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0455.0	0455.0	U	23.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0522.0	0522.0	U	99.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0525.0	0525.0	U	67.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0533.0	0537.9	13.0	18.5			
	2804	VORO	46	C	0535.2	0537.9	13.2	12.5			
	9100	GORK	4	S/F	0636.6	0637.0	0.8	80.0			
	2840	PEKG	3	S	0723.0	0728.1	9.0	11.2			

SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2002

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
17	900	GORK	46	C	0723.1	0743.2		23.0			
	900	GORK	46	C	0723.1	0726.4	23.4	44.0			
	900	GORK	46	C	0723.1	0727.9		38.0			
	600	GORK	46	C	0724.0	0728.0		28.0			
	600	GORK	46	C	0724.0	0724.7	6.0	15.0			
	610	LEAR	8	S	0727.0	0727.0	1.0	30.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0727.0	0727.0	U	24.0			QL=4 ST=2 TYP=3
	3000	IZMI	20	GRF	0727.2	0727.9	1.9	9.7	4.3		
	2950	GORK	1	S	0727.3	0728.0	1.6	20.0			
	204	IZMI	7	C	0731.7	0731.7	0.1	8.0			
	204	IZMI	41	F	0750.7	0750.9	0.4	13.0			
	204	IZMI	42	SER	0840.9	0844.2	5.6	27.0			
	900	GORK	40	F	0854.3	0900.0	5.7	20.0			
	204	IZMI	42	SER	0956.4	0957.3	1.4	28.0			
	600	GORK	46	C	1008.4	1016.1		28.0			
	204	IZMI	41	F	1008.4	1009.4	1.1	40.0			
	900	GORK	40	F	1008.4	1011.7		34.0			
	900	GORK	40	F	1008.4	1014.7		54.0			
	600	GORK	46	C	1008.4	1013.7	23.9	120.0			
	900	GORK	40	F	1008.4	1008.8	18.8	29.0			
	33	UPIC	46	C	1012.5	1015.5	16.5				
	2950	GORK	46	C	1012.9	1016.3		130.0			
	2950	GORK	46	C	1012.9	1019.3		43.0			
	2950	GORK	46	C	1012.9	1015.6	20.1	115.0			
	610	LEAR	46	C	1013.0	1013.0	U	23.0			QL=2 ST=2 TYP=8
	9100	GORK	47	GB	1013.0	1015.9	17.0	720.0			
	3000	IZMI	45	C	1013.1	1015.6	13.3	100.0	20.0		
	204	IZMI	42	SER	1013.8	1015.9	3.0	282.0	4.0		
	2695	LEAR	48	C	1014.0	1015.0	8.0	85.0			QL=2 ST=2 TYP=8
	4995	LEAR	48	C	1014.0	1015.0	8.0	260.0			QL=2 ST=2 TYP=8
	8800	LEAR	48	C	1014.0	1015.0	8.0	470.0			QL=2 ST=2 TYP=8
	15400	LEAR	48	C	1014.0	1015.0	8.0	580.0			QL=2 ST=2 TYP=8
	204	IZMI	42	SER	1022.6	1024.3	18.9	55.0			
	410	SVTO	8	S	1034.0	1035.0	2.0	55.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1035.0	1035.0	1.0	42.0			QL=4 ST=2 TYP=3
	600	GORK	40	F	1035.0	1035.2	1.0	10.0			
	3000	IZMI	22	GRF	1122.6	1123.4	2.0	11.0	4.2		
	204	IZMI	42	SER	1156.3	1156.7	0.4	11.0			
	610	SVTO	8	S	1238.0	1239.0	2.0	73.0			QL=4 ST=2 TYP=3
	127	TORN	4	S/F	1431.9	1432.6	1.3	4600.0	1300.0		
	245	SVTO	8	S	1434.0	1435.0	1.0	50.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1435.0	1435.0	U	65.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1435.0	1436.2	5.0	16.0	8.0		10L
	9500	CUBA	1	S	1435.2	1435.8	1.7	6.0	3.0		
	6700	CUBA	2	S/F	1514.5	1519.0	4.5	14.0	7.0		41R
	9500	CUBA	2	S/F	1515.2	1518.5	4.5	11.0	5.0		
	9500	CUBA	2	S/F	1536.0	1536.9	1.5	17.0	8.0		
	6700	CUBA	1	S	1536.1	1537.0	2.9	12.0	6.0		21L
	245	SGMR	8	S	1628.0	1628.0	U	52.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1703.2	1703.5	1.8	11.0	5.0		25R
	245	PALE	8	S	1704.0	1704.0	U	91.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1708.0	1709.0	1.0	74.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1709.0	1709.0	U	39.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1848.0	1849.0	1.0	350.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1849.0	1849.0	U	600.0			QL=4 ST=2 TYP=6
	410	PALE	8	S	1849.0	1849.0	U	32.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1917.0	1917.0	U	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1917.0	1917.0	U	60.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1923.0	1929.0	10.0U	349.0			
	8800	SGMR	49	GB	1926.0	1928.0	8.0	1000.0			QL=4 ST=2 TYP=6
	6700	CUBA	49	GB	1926.2	1928.5	13.2	856.0	428.0		3R C.POL
	235	CUBA	7	C	1926.6	1929.2	4.5	101.0	51.0		
	280	CUBA	7	C	1926.6	1929.2	4.5	152.0	76.0		
	9500	CUBA	47	GB	1926.7	1933.2	11.1	603.0	301.0		
	8800	PALE	49	GB	1927.0	1929.0	9.0	1000.0			QL=4 ST=2 TYP=6
	4995	PALE	4	S/F	1927.0	1928.0	8.0	790.0			QL=4 ST=2 TYP=3
	4995	SGMR	49	GB	1927.0	1928.0	7.0	780.0			QL=4 ST=2 TYP=6
	15400	SGMR	49	GB	1927.0	1928.0	7.0	950.0			QL=4 ST=2 TYP=6
	245	SGMR	4	S/F	1927.0	1928.0	7.0	270.0			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 2002

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
17	610	SGMR	4	S/F	1927.0	1928.0	7.0	290.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1927.0	1928.0	7.0	94.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1927.0	1928.0	7.0	240.0			QL=4 ST=2 TYP=3
	15400	PALE	49	GB	1928.0	1929.0	4.0	930.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	1928.0	1928.0	1.0	270.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1928.0	1929.0	1.0	180.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1928.0	1928.0	1.0	290.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1928.0	1929.0	1.0	79.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1928.0	1929.0	2.0	280.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1928.0	1929.0	4.0	280.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1928.0	1928.0	5.0	170.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	1935.0	1935.0	U	31.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2230.0	2231.0	1.0	40.0			0
	2804	VORO	1	S	2353.2	2353.8	1.7	2.9			
18	127	TORN	44	NS	0730.0E		300.0D		16.0		V=1
	235	CUBA	44	NS	1400.0E		270.0D		4.0		
	280	CUBA	44	NS	1400.0E		270.0D		16.0		
	245	SGMR	43	NS	1705.0	1716.0	11.0	66.0			QL=4 ST=2 TYP=1
	2804	VORO	20	GRF	0020.0	0028.7	30.0	4.6			
	245	LEAR	8	S	0045.0	0045.0	U	300.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0045.0	0045.0	U	150.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0046.0	0046.0	1.0	155.0			WR
	200	HIRA	7	C	0133.0	0144.0	14.0	355.0			WR
	245	PALE	4	S/F	0134.0	0136.0	4.0	300.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	0135.0	0137.0	4.0	160.0			QL=4 ST=2 TYP=3
	2804	VORO	42	SER	0135.6	0144.2	9.0	6.2			
	2804	VORO	42	SER	0135.6	0136.9	4.3	9.9			
	245	LEAR	8	S	0136.0	0136.0	1.0	240.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0137.0	0137.0	U	95.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0143.0	0144.0	2.0	920.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0144.0	0144.0	1.0	950.0			QL=4 ST=3 TYP=6
	410	PALE	48	C	0145.0	0145.0	1.0	61.0			QL=4 ST=3 TYP=8
	410	LEAR	8	S	0146.0	0146.0	2.0	79.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0155.0	0156.0	1.0	40.0			0
	245	LEAR	8	S	0155.0	0155.0	U	86.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0156.0	0156.0	U	25.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0202.0	0208.2	11.0	12.5			
	2804	VORO	28	PRE	0202.6	0208.3	10.0	8.6			
	610	LEAR	48	C	0211.0	0217.0	26.0	2900.0			QL=4 ST=2 TYP=8
	2804	VORO	46	C	0212.6	0307.8	58.6	126.5			
	410	PALE	48	C	0213.0	0233.0	54.0	670.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	0213.0	0217.0	1307.0	2200.0			QL=4 ST=1 TYP=8
	2840	PEKG	3	S	0215.0	0219.3	10.0	29.7			
	200	HIRA	27	RF	0224.0	0244.0	60.0	50.0			0
	1415	LEAR	46	C	0228.0	0230.0	9.0	23.0			QL=4 ST=2 TYP=8
	4995	LEAR	46	C	0228.0	0235.0	9.0	27.0			QL=4 ST=2 TYP=8
	410	LEAR	49	GB	0230.0	0233.0	7.0	520.0			QL=4 ST=2 TYP=6
	245	LEAR	46	C	0236.0	0236.0	U	46.0			QL=4 ST=2 TYP=8
	245	PALE	48	C	0241.0	0258.0	17.0	69.0			QL=4 ST=2 TYP=8
	4995	PALE	46	C	0241.0	0254.0	17.0	40.0			QL=4 ST=2 TYP=8
	15400	PALE	48	C	0241.0	0241.0	26.0	77.0			QL=4 ST=2 TYP=8
	15400	PALE	48	C	0241.0	0241.0	33.0	77.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0242.0	0307.0	49.0	25000.0			QL=4 ST=2 TYP=8
	2840	PEKG	3	S	0243.0	0253.7	15.0	83.3			
	2695	LEAR	48	C	0248.0	0307.0	41.0	110.0			QL=4 ST=2 TYP=8
	1415	PALE	48	C	0258.0	0307.0	1262.0	27000.0			QL=4 ST=1 TYP=8
	2840	PEKG	3	S	0259.0	0307.9	19.0	89.3			
	610	LEAR	48	C	0300.0	0307.0	11.0	84.0			QL=4 ST=2 TYP=8
	245	LEAR	46	C	0302.0	0302.0	15.0	14.0			QL=4 ST=2 TYP=8
	610	PALE	4	S/F	0303.0	0307.0	6.0	75.0			QL=4 ST=2 TYP=3
	4995	LEAR	20	GRF	0303.0	0316.0	26.0	38.0			QL=4 ST=2 TYP=2
	2695	PALE	48	C	0304.0	0308.0	6.0	100.0			QL=4 ST=2 TYP=8
	2804	VORO	29	PBI	0311.2	0311.4	130.0				
	1415	PALE	8	S	0319.0	0319.0	U	130.0			QL=4 ST=2 TYP=3
	410	PALE	46	C	0321.0	0321.0	U	32.0			QL=4 ST=2 TYP=8
	245	PALE	8	S	0321.0	0322.0	1.0	61.0			QL=4 ST=2 TYP=3
	410	LEAR	45	C	0328.0	0328.0	U				QL=4 ST=2 TYP=8
	8800	LEAR	46	C	0331.0	0331.0	U	21.0			QL=4 ST=2 TYP=8

SOLAR RADIO EMISSION
Outstanding Occurrences

MARCH 2002

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	200	HIRA	8	S	0341.0	0341.0	1.0	65.0			0
	200	HIRA	7	C	0403.0	0404.0	2.0	25.0			0
	200	HIRA	8	S	0429.0	0429.0	1.0	125.0			0
	245	LEAR	8	S	0429.0	0429.0	U	110.0			QL=4 ST=2 TYP=3
	200	HIRA	7	C	0517.0	0519.0	4.0	35.0			0
	3000	IZMI	5	S	0706.6	0706.9	0.9	8.0	3.7		
	600	GORK	40	F	0716.5	0724.3	10.1	29.0			
	900	GORK	41	F	0720.5	0721.2	5.3	17.0			
	900	GORK	41	F	0720.5	0724.2		50.0			
	204	IZMI	42	SER	0721.6	0722.6	4.0	40.0			
	204	IZMI	7	C	0758.1	0758.2	0.2	15.0			
	204	IZMI	42	SER	0810.8	0812.1	1.4	32.0			
	600	GORK	40	F	0837.8	0840.5	3.1	30.0			
	900	GORK	7	C	0839.3	0840.0		11.0			
	900	GORK	7	C	0839.3	0839.5	0.9	3.7			
	245	LEAR	8	S	0923.0	0923.0	U	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0923.0	0923.0	U	150.0			QL=4 ST=2 TYP=3
	600	GORK	7	C	0923.4	0926.2		15.0			
	900	GORK	41	F	0923.4	0926.3		7.4			
	900	GORK	41	F	0923.4	0923.6	5.6	8.6			
	600	GORK	7	C	0923.4	0923.6	3.3	16.0			
	204	IZMI	7	C	0924.5	0924.5	0.1	15.0			
	33	UPIC	4	S/F	0926.0	0926.5	1.5				
	204	IZMI	7	C	0926.2	0926.6	0.4	23.0			
	127	TORN	48	C	0926.6	0926.6	1.2	650.0	150.0		
	245	SVTO	8	S	0933.0	0933.0	U	130.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1030.4	1030.4	5.1	41.0			
	204	IZMI	46	C	1044.9	1045.1	0.8	114.0			
	245	SVTO	8	S	1045.0	1045.0	U	71.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1045.0	1045.0	U	26.0			QL=4 ST=2 TYP=3
	127	TORN	47	GB	1045.0U	1045.3	1.0U	560.0	280.0		DISTURBED
	900	GORK	46	C	1100.3	1101.2		80.0			
	900	GORK	46	C	1100.3	1100.5	2.7	15.0			
	204	IZMI	41	F	1102.7	1102.8	0.2	14.0			
	900	GORK	40	F	1117.5	1118.6	1.4	16.0			
	3000	IZMI	22	GRF	1142.3	1144.8	5.5	40.0	15.0		
	245	SGMR	8	S	1144.0	1144.0	U	46.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1144.0	1145.0	2.0	36.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1144.0	1144.0	1.0	71.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1144.0	1145.0	2.0	64.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	1144.0	1145.0	2.0	61.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1144.0	1145.0	3.0	77.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1144.0	1145.0	4.0	35.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1144.6	1144.7	0.2	206.0			
	15400	SGMR	46	C	1145.0	1145.0	U	22.0			QL=2 ST=2 TYP=8
	245	SGMR	49	GB	1247.0	1247.0	U	550.0			QL=4 ST=2 TYP=6
	245	SVTO	8	S	1247.0	1247.0	U	340.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1313.0	1313.0	1.0	190.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1313.0	1313.0	1.0	190.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1551.0	1551.0	U	60.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1601.0	1601.0	U	290.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1604.0	1604.0	U	74.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1604.0	1604.0	U	54.0			QL=4 ST=2 TYP=8
	2800	PENT	1	S	1620.0	1624.0	10.0	37.0			
	610	SGMR	8	S	1623.0	1624.0	2.0	75.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1623.0	1624.0	2.0	280.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1623.0	1624.0	2.0	59.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1623.0	1624.0	2.0	46.0			QL=2 ST=2 TYP=3
	610	SVTO	8	S	1623.0	1624.0	2.0	46.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1623.0	1624.0	2.0	280.0			QL=2 ST=2 TYP=3
	1415	SVTO	8	S	1623.0	1624.0	2.0	280.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1623.5	1624.0	1.3	11.0	5.0		
	410	SGMR	8	S	1624.0	1624.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1624.0	1624.0	1.0	230.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	1624.0	1624.0	1.0	230.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1631.0	1631.0	U	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1633.0	1633.0	U	53.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	1633.0	1633.0	U	58.0			QL=2 ST=2 TYP=3
	2800	PENT	4	S/F	1902.0	1912.0	25.0	80.0			

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

MARCH 2002

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	PALE	48	C	1911.0	1911.0	U	53.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	1911.0	1911.0	U	150.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1911.0	1911.0	2.0	69.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1911.0	1911.0	2.0	88.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1911.0	1911.0	2.0	31.0			QL=4 ST=2 TYP=3
	4995	PALE	48	C	1912.0	1913.0	1.0	63.0			QL=4 ST=2 TYP=8
	15400	PALE	46	C	1912.0	1912.0	2.0	39.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	1915.0	1916.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1916.0	1916.0	U	140.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1916.0	1916.0	U	65.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	2148.0	2151.0	10.0	15.0			
	1415	SGMR	8	S	2149.0	2150.0	2.0	180.0			QL=2 ST=2 TYP=3
	610	PALE	8	S	2150.0	2151.0	1.0	330.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2150.0	2150.0	2.0	180.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2150.0	2150.0	1.0	99.0			QL=2 ST=2 TYP=3
	610	SGMR	8	S	2150.0	2151.0	1.0	120.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2151.0	2151.0	U	140.0			QL=4 ST=2 TYP=3
	200	HIRA	7	C	2159.0	2200.0	6.0	160.0			0
19	204	IZMI	44	NS	0700.0E		320.0D		15.0		
	127	TORN	43	NS	0830.0		390.0		27.0		V=1
	245	SGMR	43	NS	1218.0	1323.0	65.0	74.0			QL=4 ST=2 TYP=1
	2840	PEKG	1	S	0120.0	0122.8	6.0	4.7			
	2804	VORO	1	S	0120.8	0122.8	4.0	5.8			
	2804	VORO	1	S	0353.8	0354.4	1.8	3.8			
	2950	GORK	23	GRF	0721.0	0730.6	22.7	4.4			
	2950	GORK	23	GRF	0721.0	0741.8		3.3			
	9100	GORK	41	F	0737.4	0738.5	2.6	105.0			
	9100	GORK	41	F	0737.4	0738.7		145.0			
	600	GORK	40	F	0902.2	0909.6	26.6	9.3			
	9100	GORK	46	C	0906.4	0907.7	2.9	170.0			
	9100	GORK	46	C	0906.4	0908.8		75.0			
	2950	GORK	40	F	0908.3	0911.5	21.4	7.8			
	900	GORK	46	C	0915.8	0918.1	6.9	4.9			
	900	GORK	46	C	0915.8	0919.1		9.8			
	900	GORK	46	C	1011.2	1013.0	2.2	37.0			
	900	GORK	46	C	1011.2	1013.2		25.0			
	900	GORK	4	S/F	1014.5	1014.8	1.4	25.0			
	900	GORK	40	F	1020.6	1029.8	9.9	60.0			
	204	IZMI	42	SER	1023.8	1025.8	2.8	83.0			
	33	UPIC	46	C	1024.0	1029.5	6.5				
	600	GORK	46	C	1024.7	1028.0	5.6	60.0			
	600	GORK	46	C	1024.7	1029.3		100.0			
	127	TORN	48	C	1024.8	1026.4	5.2	690.0	240.0		DISTURBED
	245	SVTO	8	S	1027.0	1028.0	2.0	92.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1027.7	1029.7	2.3	94.0			
	410	SVTO	8	S	1028.0	1028.0	U	29.0			QL=4 ST=2 TYP=3
	900	GORK	4	S/F	1046.0	1046.2	1.0	65.0			
	2950	GORK	2	S/F	1047.1	1049.1	4.8	3.3			
	9100	GORK	46	C	1050.9	1052.0	2.3D	750.0			
	9100	GORK	46	C	1050.9	1052.8		370.0U			
	3000	IZMI	22	GRF	1107.7	1127.2	72.3D	34.0			
	204	IZMI	25	R	1123.0		57.0D		20.0		
	610	SGMR	48	C	1125.0	1128.0	8.0	140.0			QL=4 ST=2 TYP=8
	127	TORN	49	GB	1125.6	1128.0	55.6	470.0	60.0		
	245	SGMR	48	C	1126.0	1126.0	U	89.0			QL=4 ST=2 TYP=8
	245	SVTO	8	S	1126.0	1126.0	U	76.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1218.0	1218.0	2.0	57.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1218.1	1218.4	0.8	165.0			
	245	SGMR	48	C	1845.0	1845.0	U	50.0			QL=4 ST=2 TYP=8
	500	HIRA	8	S	2333.0	2334.0	2.0	30.0			WR
	200	HIRA	8	S	2333.0	2335.0	2.0	60.0			
20	204	IZMI	44	NS	0700.0E		139.0D		30.0		
	127	TORN	44	NS	0700.0E		480.0D		30.0		V=2
	245	SGMR	43	NS	1545.0	1555.0	10.0	200.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1838.0	1838.0	40.0	54.0			QL=4 ST=2 TYP=1
	200	HIRA	8	S	0001.0	0001.0	1.0	15.0			
	245	LEAR	8	S	0402.0	0402.0	1.0	230.0			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 2002

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	245	LEAR	48	C	0411.0	0414.0	3.0	150.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0600.0	0600.0	U	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0600.0	0600.0	U	66.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0655.0	0657.0	2.0	140.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0657.0	0658.0	1.0	30.0			WR
	200	HIRA	8	S	0657.0	0657.0	1.0	50.0			
	245	LEAR	8	S	0657.0	0657.0	U	75.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0657.0	0657.0	U	71.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0657.0	0657.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0808.0	0808.0	U	250.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0808.0	0808.0	U	190.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0837.0	0838.0	1.0	430.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0837.0	0838.0	1.0	300.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0837.8	0837.9	0.7	40.0			
	204	IZMI	42	SER	0907.9	0910.2	2.3	59.0			
	204	IZMI	42	SER	0914.8	0914.8	3.5	88.0			
	245	LEAR	8	S	0936.0	0936.0	U	500.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0936.0	0937.0	1.0	470.0			QL=4 ST=2 TYP=3
	204	IZMI	46	C	0936.8	0937.2	1.5	352.0			
	204	IZMI	45	C	0949.3	0949.6	0.4	123.0			
	204	IZMI	42	SER	1023.5	1024.3	1.0	20.0			
	3000	IZMI	1	S	1154.2	1154.3	0.4	6.0	4.0		
	245	SGMR	49	GB	1225.0	1225.0	1.0	1300.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1225.0	1225.0	1.0	1100.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	1323.0	1323.0	U	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1323.0	1323.0	U	60.0			QL=4 ST=2 TYP=3
	127	TORN	45	C	1404.7	1405.3	3.4	230.0	70.0		
	245	SGMR	8	S	1408.0	1408.0	U	170.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1408.0	1408.0	U	120.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1554.0	1555.0	5.0	110.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1705.0	1705.0	U	73.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1705.0	1705.0	U	220.0			QL=4 ST=2 TYP=8
	15400	PALE	48	C	1705.0	1705.0	1.0	320.0			QL=4 ST=2 TYP=8
	4995	PALE	8	S	1705.0	1705.0	U	170.0			QL=4 ST=2 TYP=3
	410	PALE	48	C	1707.0	1708.0	8.0	170.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	1707.0	1708.0	8.0	100.0			QL=4 ST=2 TYP=8
	1415	PALE	48	C	1707.0	1711.0	7.0	100.0			QL=4 ST=2 TYP=8
	245	SGMR	48	C	1733.0	1733.0	2.0	93.0			QL=4 ST=3 TYP=8
	245	SGMR	8	S	1838.0	1838.0	U	54.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2143.0	2143.0	1.0	310.0			0
	245	PALE	48	C	2143.0	2143.0	U	730.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	2143.0	2143.0	U	330.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	2338.0	2338.0	1.0	870.0			0
	245	LEAR	8	S	2338.0	2338.0	U	310.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	2338.0	2338.0	U	29.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2338.0	2338.0	U	440.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2338.0	2338.0	U	88.0			QL=4 ST=2 TYP=3
	500	HIRA	7	C	2347.0	0001.0	19.0	35.0			0
	2800	PENT	4	S/F	2353.0	2416.0	60.0	77.0			
21	245	LEAR	43	NS	0243.0	0245.0	28.0	100.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0700.0E		300.0D		10.0		
	127	TORN	44	NS	0700.0E		460.0D		44.0		V=2
	2840	PEKG	3	S	0004.0	0016.2	34.0	57.8			
	200	HIRA	7	C	0005.0	0008.0	7.0	150.0			WL
	2800	HIRA	3	S	0007.0	0016.0	27.0	75.0			0
	2695	LEAR	48	C	0007.0	0015.0	23.0	83.0			QL=4 ST=2 TYP=8
	4995	LEAR	48	C	0007.0	0016.0	44.0	67.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0008.0	0016.0	15.0	65.0			QL=4 ST=2 TYP=8
	1415	PALE	4	S/F	0011.0	0016.0	9.0	61.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0011.0	0016.0	11.0	72.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0011.0	0024.0	13.0	150.0			QL=4 ST=2 TYP=3
	500	HIRA	4	S/F	0012.0	0020.0	16.0	15.0			0
	610	LEAR	48	C	0029.0	0033.0	4.0	71.0			QL=2 ST=2 TYP=8
	200	HIRA	8	S	0040.0	0040.0	1.0	35.0			0
	245	LEAR	48	C	0040.0	0040.0	U	76.0			QL=2 ST=2 TYP=8
	245	LEAR	8	S	0135.0	0135.0	1.0	77.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0152.0	0153.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0156.0	0156.0	U	140.0			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
21	245	LEAR	8	S	0230.0	0230.0	U	200.0			QL=4 ST=2 TYP=3
	245	LEAR	48	C	0233.0	0234.0	3.0	60.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0240.0	0240.0	U	58.0			QL=4 ST=2 TYP=8
	2950	GORK	21	GRF	0746.1	0810.1	109.9	9.3			
	9100	GORK	20	GRF	0746.6	0801.0	40.4	10.0			
	2950	GORK	2	S/F	0751.7	0752.2	1.1	5.3			
	33	UPIC	46	C	1013.5	1021.5	9.0				UNCERTN
	245	SVTO	8	S	1017.0	1017.0	1.0	310.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1807.0	1807.0	U	99.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1807.0	1807.0	U	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1927.0	1927.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2155.0	2156.0	1.0	61.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	2207.0	2208.0	1.0	20.0			WR
	200	HIRA	8	S	2207.0	2208.0	1.0	50.0			0
22	127	TORN	44	NS	0640.0E		460.0D		23.0		V=2
	500	HIRA	8	S	0247.0	0247.0	1.0	10.0			ML
	200	HIRA	8	S	0247.0	0247.0	1.0	15.0			0
	2840	PEKG	3	S	0610.0	0613.4	10.0	11.1			
	127	TORN	4	S/F	0638.4	0639.0	1.4	1500.0	530.0		
	900	GORK	41	F	0940.8	0942.2		28.0			
	900	GORK	41	F	0940.8	0941.3	2.2	83.0			
	900	GORK	41	F	0940.8	0941.5		172.0			
	204	IZMI	42	SER	1010.7	1010.9	2.5	73.0	9.0		
	204	IZMI	42	SER	1047.0	1047.2	2.5	54.0			
	9100	GORK	24	R	1047.2	1118.0	48.8D	25.0			
	3000	IZMI	22	GRF	1047.5	1100.0U	65.0	59.0			
	900	GORK	20	GRF	1100.5	1105.1	8.7	6.1			
	2950	GORK	20	GRF	1100.8	1103.8	12.7	27.0			
	600	GORK	20	GRF	1101.5	1108.5	11.7	18.0			
	9500	CUBA	20	GRF	1342.0E	1342.0	44.0D	21.0	10.0		
23	127	TORN	43	NS	0700.0		480.0		13.0		V=1
	2950	GORK	20	GRF	0637.5	0642.0	11.1	19.0			
	900	GORK	5	S	0647.3U	0651.0	6.9D	6.1			
	204	IZMI	42	SER	0742.4	0742.9	1.5	49.0			
	204	IZMI	7	C	0926.5	0926.5	0.1	6.0			
	245	LEAR	8	S	0953.0	0953.0	U	88.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0953.0	0953.0	U	99.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0953.0	0953.3	1.0	151.0			
	600	GORK	46	C	1116.8	1117.3	1.0	17.0			
	600	GORK	46	C	1116.8	1117.4		20.0			
	245	SVTO	8	S	1202.0	1202.0	U	100.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1421.0	1421.0	U	62.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2112.0	2112.0	U	62.0			QL=4 ST=2 TYP=3
24	127	TORN	44	NS	0640.0E		500.0D		14.0		V=0
	410	SGMR	43	NS	1251.0	1251.0	22.0	62.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1400.0E		300.0D		2.0		
	200	HIRA	8	S	0750.0	0750.0	1.0	75.0			WL
	900	GORK	46	C	0829.3	0831.0	2.2	24.0			
	900	GORK	46	C	0829.3	0831.3		12.0			
	2840	PEKG	1	S	0911.0	0915.3	9.0	6.3			
	2950	GORK	1	S	0915.0	0915.3	1.0	6.0			
	3000	IZMI	5	S	0915.1	0915.2	0.8	9.0	6.0		
	900	GORK	3	S	0928.8	0929.0	0.4	270.0			
	204	IZMI	42	SER	1048.9	1049.0	0.7	6.0			
	245	PALE	8	S	1841.0	1841.0	1.0	1000.0			QL=4 ST=3 TYP=3
	245	PALE	49	GB	1944.0	1945.0	1.0	1600.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1944.0	1945.0	1.0	2500.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	1944.0	1945.0	1.0	2500.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2018.0	2018.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2018.0	2018.0	1.0	120.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	2033.0	2035.0	9.0	15.0			
25	127	TORN	44	NS	0640.0E		500.0D		9.0		V=0
	200	HIRA	8	S	0034.0	0035.0	3.0	25.0			0
	900	GORK	4	S/F	0637.4	0637.6	0.4	17.0			
	900	GORK	2	S/F	0722.2	0722.4	0.5	6.8			

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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
25	600	GORK	2	S/F	0722.2	0722.5	0.5	13.0			
	2950	GORK	2	S/F	0900.3	0901.4	2.5	4.6			
	900	GORK	7	C	0919.8	0920.2	7.2	4.5			
	900	GORK	7	C	0919.8	0920.6		11.0			
	900	GORK	42	SER	1012.3	1042.5	30.2	16.0			
	900	GORK	42	SER	1012.3	1054.7		7.9			
	600	GORK	46	C	1031.7	1036.0	8.1	16.0			
	600	GORK	46	C	1031.7	1036.7		30.0			
	2950	GORK	46	C	1032.7	1035.2	7.3D	30.0			
	2950	GORK	46	C	1032.7	1036.7		40.0			
	900	GORK	46	C	1033.7	1035.1	9.3	42.0			
	900	GORK	46	C	1033.7	1036.8		39.0			
	3000	IZMI	22	GRF	1033.8	1036.8	7.7	42.0	8.7		
	9100	GORK	20	GRF	1034.4	1040.7	12.3	9.7			
	2695	SVTO	8	S	1035.0	1036.0	2.0	57.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1036.0	1036.0	1.0	34.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1036.0	1036.0	1.0	29.0			QL=4 ST=2 TYP=3
	9100	GORK	2	S/F	1126.3	1126.5	1.1	14.0			
	2950	GORK	2	S/F	1126.4	1126.6	1.2	8.0			
	3000	IZMI	5	S	1126.4	1126.6	0.6	9.0	4.4		
	245	SGMR	8	S	1322.0	1322.0	U	68.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1322.0	1322.0	U	68.0			QL=4 ST=3 TYP=3
26	127	TORN	44	NS	0640.0E		500.0D		12.0		V=1
	245	LEAR	8	S	0417.0	0417.0	U	53.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0424.0	0424.0	U	87.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0613.0	0613.0	U	41.0			QL=4 ST=2 TYP=3
	9100	GORK	8	S	0809.3	0809.5	0.4	28.0			
	9100	GORK	8	S	0838.5	0838.6	0.2	65.0			
	245	LEAR	8	S	0919.0	0919.0	U	600.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0919.0	0919.0	U	360.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0919.2	0919.3	0.3	747.0			
	204	IZMI	7	C	0924.8	0924.8	0.1	8.0			
	410	SVTO	4	S/F	1513.0	1516.0	4.0	55.0			QL=4 ST=2 TYP=3
	410	SGMR	48	C	1514.0	1516.0	4.0	60.0			QL=4 ST=2 TYP=8
	245	SVTO	8	S	1517.0	1517.0	U	22.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	2115.0	2120.0	10.0	11.0			
27	127	TORN	43	NS	0830.0		360.0		15.0		V=1
	235	CUBA	44	NS	1600.0E		300.0D		6.0		
	280	CUBA	44	NS	1600.0E		300.0D		15.0		
	410	SGMR	43	NS	2109.0	2114.0	171.0	140.0			QL=4 ST=1 TYP=1
	2840	PEKG	1	S	0617.0	0620.2	8.0	6.8			
	2950	GORK	2	S/F	0619.6	0620.0	1.2	4.6			
	9100	GORK	7	C	0619.7	0620.2		4.8			
	9100	GORK	7	C	0619.7	0619.9	0.8	8.0			
	2804	VORO	1	S	0619.8	0620.1	1.3	4.6			
	900	GORK	8	S	0619.9	0620.0	0.3	18.0			
	600	GORK	3	S	0620.6	0620.8	0.5	15.0			
	900	GORK	41	F	0748.0	0749.4	2.9	8.6			
	900	GORK	41	F	0748.0	0751.5		6.1			
	204	IZMI	7	C	0838.0	0838.1	0.2	16.0			
	9100	GORK	2	S/F	0839.8	0840.3	0.9	11.0			
	2950	GORK	23	GRF	0842.0	0913.2		10.0			
	2950	GORK	23	GRF	0842.0	0846.4	96.0	8.1			
	900	GORK	40	F	0845.9	0846.9	2.1	15.0			
	600	GORK	1	S	0848.2	0848.4	0.5	5.3			
	900	GORK	46	C	0858.3	0859.1	4.2	16.0			
	900	GORK	46	C	0858.3	0901.2		17.0			
	900	GORK	42	SER	1021.1	1028.5		7.4			
	900	GORK	42	SER	1021.1	1021.5	47.9	3.7			
	9100	GORK	41	F	1022.7	1023.2	8.2	145.0			
	9100	GORK	41	F	1022.7	1025.3		160.0			
	9100	GORK	41	F	1022.7	1024.4		24.0			
	9100	GORK	46	C	1043.3	1043.4	0.5	160.0			
	9100	GORK	46	C	1043.3	1043.5		230.0			
	245	SGMR	8	S	1256.0	1256.0	U	63.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1256.0	1256.0	1.0	55.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1256.0	1256.5	2.0				

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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
27	127	TORN	45	C	1330.2	1331.6	2.2	220.0	60.0		
28	127	TORN	44	NS	0640.0E		430.0D		10.0		V=0
	245	SVTO	43	NS	0643.0	0707.0	44.0	120.0			QL=2 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0D		30.0		
	245	LEAR	43	NS	0710.0	0710.0	6.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0836.0	0836.0	31.0	54.0			QL=4 ST=3 TYP=1
	245	SVTO	43	NS	0836.0	0836.0	30.0	55.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1315.0E		515.0D		5.0		
	280	CUBA	44	NS	1315.0E		515.0D		18.0		
	245	SGMR	43	NS	1743.0	1750.0	7.0	84.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1808.0	1808.0	352.0	67.0			QL=4 ST=3 TYP=1
	245	LEAR	43	NS	2304.0	2337.0	100.0	140.0			QL=4 ST=2 TYP=1
	2804	VORO	1	S	0022.0	0023.2	2.0	3.2			
	2840	PEKG	1	S	0503.0	0506.6	7.0	5.5			
	2804	VORO	1	S	0506.2	0506.4	1.8	4.6			
	245	LEAR	8	S	0539.0	0539.0	U	61.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0634.0	0635.0	3.0	51.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0635.0	0635.0	U	62.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0657.0	0657.0	U	71.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0707.0	0707.0	U	120.0			QL=4 ST=2 TYP=3
	9100	GORK	40	F	0735.6	0735.9	2.0	95.0			
	9100	GORK	1	S	0743.4	0743.5	0.3	9.4			
	245	LEAR	8	S	0831.0	0831.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0831.0	0831.0	1.0	71.0			QL=4 ST=2 TYP=3
	900	GORK	4	S/F	0923.0	0923.3	1.0	17.0			
	245	SVTO	8	S	0955.0	0956.0	1.0	58.0			QL=4 ST=2 TYP=3
	3000	IZMI	7	C	1137.1	1138.2	1.5	14.0	5.0		
	245	SGMR	8	S	1517.0	1517.0	U	71.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1517.0	1518.0	1.0	56.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1523.0	1524.0	1.0	61.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1701.0	1701.0	2.0	92.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1750.0	1752.0	2.0	73.0			QL=4 ST=3 TYP=3
	2800	PENT	3	S	1752.0	1758.0	13.0	10.0			
	6700	CUBA	2	S/F	1755.5	1757.5	4.5	13.0	6.0		3R
	9500	CUBA	2	S/F	1755.5	1757.5	4.5	11.0	5.0		
	245	SGMR	8	S	1931.0	1931.0	U	76.0			QL=4 ST=2 TYP=3
29	127	TORN	44	NS	0640.0E		500.0D		15.0		V=1
	204	IZMI	44	NS	0720.0E		280.0D		15.0		
	245	SVTO	43	NS	1002.0	1004.0	31.0	110.0			QL=2 ST=2 TYP=1
	245	LEAR	43	NS	1004.0	1004.0	7.0	100.0			QL=2 ST=3 TYP=1
	245	SVTO	43	NS	1247.0	1249.0	32.0	160.0			QL=2 ST=2 TYP=1
	245	SGMR	43	NS	1334.0	1245.0	1409.0	170.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1410.0E		460.0D		11.0		
	280	CUBA	44	NS	1410.0E		460.0D		18.0		
	245	SGMR	43	NS	1431.0	1439.0	14.0	100.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1700.0	1700.0	59.0	69.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1808.0	2119.0	390.0	230.0			QL=4 ST=3 TYP=1
	2804	VORO	42	SER	0145.6	0146.1	1.8	3.8			
	2804	VORO	42	SER	0145.6	0149.3	3.7	2.7			
	410	SVTO	8	S	0802.0	0803.0	1.0	44.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0803.0	0803.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0821.0	0821.0	U	53.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0821.0	0821.0	U	27.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1234.0	1234.0	1.0	110.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1244.0	1244.5	2.0				UNCERTN
	245	SGMR	8	S	1400.0	1401.0	1.0	77.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1439.0	1439.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1539.0	1539.0	U	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1614.0	1614.0	U	59.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1642.0	1643.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1745.0	1745.0	1.0	73.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1756.0	1756.0	U	54.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2000.0	2000.0	U	80.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2000.0	2000.0	U	61.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	2043.0	2045.0	13.0	46.0			
	1415	SGMR	8	S	2044.0	2045.0	1.0	39.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2044.0	2045.0	1.0	49.0			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
29	4995	SGMR	8	S	2044.0	2045.0	1.0	37.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	2045.4	2045.5	0.3	20.0	10.0		
	200	HIRA	8	S	2312.0	2313.0	2.0	245.0			0
	245	LEAR	8	S	2312.0	2312.0	U	140.0			QL=4 ST=2 TYP=3
	2804	VORO	40	F	2318.1	2318.5	1.6	3.9			
30	204	IZMI	44	NS	0700.0E		300.0D		20.0		
	127	TORN	43	NS	0750.0		370.0		20.0		V=1
	500	HIRA	8	S	0248.0	0248.0	1.0	20.0			0
	200	HIRA	8	S	0248.0	0248.0	1.0	60.0			0
	245	LEAR	8	S	0248.0	0248.0	U	64.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0248.0	0248.0	U	73.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0646.0	0649.8	6.0	7.4			
	9100	GORK	1	S	0649.4	0649.7	0.7	9.7			
	2950	GORK	1	S	0649.5	0649.7	0.6	4.4			
	9100	GORK	2	S/F	0757.3	0757.6	0.5	24.0			
	900	GORK	41	F	0837.5	0840.5	5.5	11.0			
	900	GORK	41	F	0837.5	0842.7		13.0			
	900	GORK	41	F	0955.0	1011.4		68.0			
	900	GORK	41	F	0955.0	1005.5	16.6	150.0			
	900	GORK	40	F	1042.3	1100.2	18.5	9.0			
	4995	SVTO	4	S/F	1256.0	1258.0	3.0	50.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1256.0	1257.0	19.0	97.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1256.0	1257.0	24.0	120.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1256.0	1257.0	24.0	80.0			QL=2 ST=2 TYP=3
	15400	SVTO	4	S/F	1256.0	1257.0	27.0	98.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1257.0	1258.0	23.0	54.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1258.0	1258.0	U	24.0			QL=4 ST=2 TYP=3
	9500	CUBA	20	GRF	1346.0E	1346.0	129.0D	30.6	18.0		
	245	SGMR	8	S	1402.0	1402.0	U	280.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1402.0	1402.0	2.0	220.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1442.0	1442.0	U	69.0			QL=4 ST=2 TYP=3
	6700	CUBA	20	GRF	1455.0E	1455.0	120.0D	17.0	8.0		16R
	245	SGMR	49	GB	1538.0	1539.0	1.0	710.0			QL=4 ST=2 TYP=6
	245	SVTO	8	S	1538.0	1539.0	1.0	430.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1538.0	1539.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1539.0	1539.0	U	40.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1551.0	1551.0	1.0	66.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1551.0	1551.0	1.0	66.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1551.0	1551.0	2.0	55.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1551.0	1551.0	1.0	45.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	2118.6	2119.0	1.4	5.0	2.0		80L
	200	HIRA	8	S	2332.0	2333.0	1.0	40.0			0
31	127	TORN	43	NS	0828.0		392.0		16.0		V=0
	235	CUBA	44	NS	1400.0E		60.0D		5.0		
	280	CUBA	44	NS	1400.0E		60.0D		16.0		
	2804	VORO	2	S/F	0418.2	0419.7	2.8	12.1			
	2840	PEKG	1	S	0540.0	0542.8	9.0	8.0			
	204	IZMI	41	F	0630.9	0631.5	0.7	21.0			
	204	IZMI	7	C	0636.9	0637.0	0.2	16.0			
	204	IZMI	7	C	0714.0	0714.1	0.2	35.0			
	900	GORK	41	F	0727.4	0742.4		35.0			
	900	GORK	41	F	0727.4	0734.8	15.6	25.0			
	9100	GORK	46	C	0838.1	0839.1	11.9	92.0			
	9100	GORK	46	C	0838.1	0839.4U		82.0U			
	2840	PEKG	1	S	0845.0	0849.1	9.0	7.9			
	3000	IZMI	40	F	0847.5	0848.9	6.4	10.0	4.0		
	2950	GORK	2	S/F	0850.0	0852.0	6.5	8.3			
	2950	GORK	21	GRF	1039.8	1101.5	44.2D	17.0			
	9100	GORK	20	GRF	1039.9	1052.9	44.1D	35.0			
	3000	IZMI	20	GRF	1040.4	1100.4	79.6D	19.0			
	2950	GORK	46	C	1044.8	1051.8		6.3			
	2950	GORK	46	C	1044.8	1046.9	9.4	9.5			
	33	UPIC	45	C	1212.0	1213.5	2.0				
	9500	CUBA	21	GRF	1234.0E	1234.0	169.0D	41.0	20.0		
	6700	CUBA	21	GRF	1241.0E	1241.0	149.0D	19.0	9.0		19R
	245	SGMR	8	S	1302.0	1302.0	U	99.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1302.0	1302.0	U	67.0			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 2002

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	6700	CUBA	2	S/F	1450.4	1452.1	3.8	14.0	7.0		53R
	1415	SGMR	48	C	1451.0	1452.0	3.0	84.0			QL=4 ST=2 TYP=8
	1415	SVTO	8	S	1451.0	1452.0	1.0	81.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1451.5	1453.2	3.5	24.0	12.0		
	610	SVTO	8	S	1453.0	1453.0	U	45.0			QL=4 ST=2 TYP=3

Reports are received routinely from the following observatories:

BERN = Berne	HUMN = Humain	ONDR = Ondrejov	SVTO = San Vito
CRIM = Crimea	IZMI = IZMIRAN	PEKG = Peking	TORN = Torun
CUBA = Havana	KISV = Kislovodsk	PALE = Palehua	TRST = Trieste
GORK = Gorky	KRAK = Krakow	PENT = Penticton	TYKW = Toyokawa
HIRA = Hiraiso	LEAR = Learmonth	POTS = Potsdam	UPIC = Upice
HUAN = Huancayo	NOBE = Nobeyama	SGMR = Sagamore Hill	

Explanation of Type Code:

1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precusor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major

1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F
3A Simple 2A	4O Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	4OF Rise Only F	26O Fall Only	31A Post Burst Decrease A
2A Simple 1AF	4P Post Rise	26F Fall F	32A Absorption A

RSTN Site Information: Beginning in April 1986, the RSTN sites LEAR, PALE, SGMR, and SVTO fixed frequency solar radio data are periodically adjusted to several world standard stations. These world standard stations include: Kislovodsk, USSR 15,500 MHz; Penticton, Canada 2800 MHz; and Hiraiso, Japan 500 and 200 MHz.