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

JANUARY 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
01	245	LEAR	43	NS	0322.0	0334.0	158.0	68.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0700.0E		124.0D		5.0		
	127	TORN	44	NS	0820.0E		340.0D		2.0		V=0,DISTURBED
	280	CUBA	44	NS	1350.0E		480.0D		75.0		
	235	CUBA	44	NS	1350.0E		480.0D		20.0		
	2804	VORO	20	GRF	0015.0	0033.2	38.5	7.3			
	245	PALE	8	S	0339.0	0339.0	U	52.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0732.0	0734.8	6.0	8.1			
	204	IZMI	7	C	0837.8	0837.9	0.3	51.0			
	245	SGMR	8	S	1612.0	1612.0	1.0	75.0			QL=4 ST=3 TYP=3
	6700	CUBA	21	GRF	1634.0	1657.0	70.0	12.0	6.0		7R
	6700	CUBA	2	S/F	1653.8	1654.0	1.2	10.0	5.0		36R
	245	SGMR	8	S	1954.0	1954.0	1.0	120.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	2003.0	2004.0	2.0	64.0			QL=4 ST=3 TYP=3
02	245	PALE	43	NS	0058.0	0100.0	12.0	88.0			QL=4 ST=2 TYP=1
	204	IZMI	43	NS	0831.0		64.0		10.0		
	280	CUBA	44	NS	1300.0E		530.0D		81.0		
	235	CUBA	44	NS	1300.0E		530.0D		17.0		
	245	PALE	4	S/F	0050.0	0053.0	3.0	120.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0535.0	0539.0	10.0	60.0			
	245	LEAR	8	S	0538.0	0538.0	U	70.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0646.0	0646.0	2.0	110.0			
	204	IZMI	42	SER	0646.0	0647.0	2.2	48.0			
	245	LEAR	8	S	0646.0	0646.0	U	94.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0807.9	0809.6	7.3	37.0			
	6700	CUBA	20	GRF	1807.0	1913.0	202.0	13.0	6.0		0R
03	204	IZMI	43	NS	1138.0		22.0U		5.0		
	235	CUBA	44	NS	1300.0E		530.0D		17.0		
	280	CUBA	44	NS	1300.0E		530.0D		82.0		
	245	SGMR	43	NS	1721.0	1804.0	44.0	67.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1731.0	1731.0	127.0	77.0			QL=4 ST=2 TYP=1
	200	HIRA	42	SER	0212.0	0223.0	11.0	230.0			
	245	LEAR	4	S/F	0221.0	0222.0	3.0	93.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	0221.0	0222.0	3.0	140.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0407.0	0408.0	1.0	50.0			
	245	LEAR	4	S/F	0647.0	0648.0	4.0	70.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0719.5	0720.0	2.3	95.0			
	204	IZMI	7	C	0738.1	0738.1	0.2	17.0			
	2950	GORK	2	S/F	1039.0	1040.2	4.9	13.0			
	3000	IZMI	20	GRF	1039.2	1040.2	2.6	14.0	8.0		
	410	SVTO	8	S	1146.0	1146.0	U	53.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1157.6	1158.5	21.0	69.0			
	245	SVTO	8	S	1158.0	1158.0	U	470.0			QL=4 ST=2 TYP=3
	127	TORN	47	GB	1158.1	1158.7	2.1	510.0	90.0		
	245	SVTO	8	S	1227.0	1229.0	2.0	67.0			QL=4 ST=2 TYP=3
	33	UPIC	42	SER	1229.0	1229.5	7.5				
	127	TORN	46	C	1353.3	1354.0	2.7	190.0	70.0		
	245	SVTO	8	S	1356.0	1356.0	U	57.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1359.0	1359.0	1.0	49.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1423.0	1424.0	2.0	97.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1424.0	1424.0	U	82.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1508.0	1509.0	2.0	77.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1508.0	1509.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1540.0	1540.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1614.0	1615.0	1.0	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1627.0	1629.0	2.0	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1659.0	1659.0	U	61.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1711.0	1712.0	1.0	50.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2345.0	2348.0	5.0	50.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	2345.0	2347.0	5.0	58.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2346.0	2348.0	9.0	48.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2347.0	2347.0	1.0	41.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2347.0	2347.0	1.0	31.0			QL=4 ST=2 TYP=3
04	280	CUBA	44	NS	1320.0E		500.0D		71.0		
	235	CUBA	44	NS	1330.0E		500.0D		15.0		
	200	HIRA	4	S/F	0112.0	0115.0	5.0	50.0			

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

JANUARY 2001

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

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

JANUARY 2001

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

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

JANUARY 2001

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

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

JANUARY 2001

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

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

JANUARY 2001

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

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

JANUARY 2001

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

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

JANUARY 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
21	235	CUBA	44	NS	1430.0E		440.0D		20.0		
	280	CUBA	44	NS	1430.0E		440.0D		64.0		
	245	LEAR	8	S	0745.0	0746.0	2.0	150.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0745.0	0746.0	1.0	170.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0745.0	0745.0	1.0	30.0			QL=4 ST=2 TYP=3
	600	GORK	46	C	0745.3	0745.6	1.1	7.3			
	600	GORK	46	C	0745.3	0745.9		17.0			
	245	SVTO	8	S	1151.0	1151.0	1.0	260.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1352.0	1352.0	U	50.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1352.0	1352.0	1.0	60.0			QL=4 ST=2 TYP=3
	2800	PENT	20	GRF	1915.0	1922.0	17.0U	8.0			
	9500	CUBA	20	GRF	1920.0	1926.0	77.0	6.0	3.0		
	245	PALE	4	S/F	2038.0	2039.0	6.0	210.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2039.0	2039.0	U	100.0			QL=4 ST=2 TYP=3
22	235	CUBA	44	NS	1425.0E		445.0D		9.0		
	280	CUBA	44	NS	1425.0E		445.0D		40.0		
	2804	VORO	1	S	0354.8	0355.3	1.1	7.1			
	2840	PEKG	5	S	0641.0	0644.0	6.0	17.2			
	200	HIRA	8	S	0643.0	0644.0	1.0	30.0			MR
23	280	CUBA	44	NS	1300.0E		300.0D		81.0		
	235	CUBA	44	NS	1300.0E		300.0D		16.0		
	200	HIRA	8	S	0434.0	0435.0	3.0	170.0			MR
	245	LEAR	8	S	0434.0	0434.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1236.0	1236.0	U	120.0			QL=4 ST=2 TYP=3
24	235	CUBA	44	NS	1408.0E		462.0D		19.0		
	280	CUBA	44	NS	1408.0E		462.0D		57.0		
	9100	GORK	4	S/F	0923.4	0924.1	1.2	210.0			
25	235	CUBA	44	NS	1300.0E		530.0D		19.0		
	280	CUBA	44	NS	1300.3E		530.0D		66.0		
	2840	PEKG	5	S	0213.0	0216.5	6.0	10.5			
	2804	VORO	2	S/F	0215.2	0216.6	4.8	12.8			
	2840	PEKG	1	S	0548.0	0550.7	6.0	8.4			
	2840	PEKG	5	S	0608.0	0610.9	6.0	18.4			
	2840	PEKG	5	S	0709.0	0712.0	6.0	16.4			
	900	GORK	46	C	0709.9	0710.6	3.1	7.9			
	900	GORK	46	C	0709.9	0711.7		7.9			
	4995	LEAR	8	S	0710.0	0711.0	2.0	95.0			QL=2 ST=2 TYP=3
	8800	LEAR	4	S/F	0710.0	0711.0	3.0	250.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	0710.0	0711.0	2.0	190.0			QL=2 ST=2 TYP=3
	15400	SVTO	4	S/F	0710.0	0711.0	3.0	180.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0710.0	0711.0	3.0	240.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0710.0	0711.0	2.0	100.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0710.0	0711.8	3.0	16.0			
	9100	GORK	46	C	0710.1	0711.5		230.0			
	9100	GORK	46	C	0710.1	0710.8	3.4	100.0			
	600	GORK	4	S/F	0710.6	0710.8	0.3	8.0			
	9100	GORK	29	PBI	0713.5	0713.5	7.5	13.0			
	900	GORK	41	F	0820.0	0820.3	1.6	16.0			
	900	GORK	41	F	0820.0	0821.4		9.0			
	600	GORK	41	F	0822.2	0822.4	1.0	11.0			
	600	GORK	41	F	0822.2	0822.9		2.0			
	2950	GORK	1	S	0852.2	0852.5	1.0	4.6			
	900	GORK	41	F	0857.8	0858.0	1.0	17.0			
	900	GORK	41	F	0857.8	0858.5		13.0			
	9100	GORK	4	S/F	0857.9	0858.1	0.5	85.0			
	600	GORK	23	GRF	0906.0	1006.0	91.8	20.0			
	600	GORK	23	GRF	0906.0	1020.9		21.0			
	600	GORK	41	F	1011.2	1012.0		24.0			
	600	GORK	41	F	1011.2	1011.4	1.6	18.0			
	600	GORK	41	F	1011.2	1012.6		18.0			
	245	SVTO	8	S	1039.0	1039.0	1.0	100.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1154.5	1155.0	1.5				
	245	SVTO	8	S	1224.0	1224.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1558.0	1558.0	2.0	80.0			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

JANUARY 2001

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

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

JANUARY 2001

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

Reports are received routinely from the following observatories:

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

Explanation of Type Code:

1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 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.