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

FEBRUARY 2003

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	43	NS	1105.0		215.0		6.0		V=0
	2950	GORK	1	S	0853.3	0854.1	1.6	16.0			
	2950	GORK	21	GRF	0853.3	0936.9	90.7D	21.0			
	9100	GORK	1	S	0853.4	0854.0	1.3	8.0			
	9100	GORK	21	GRF	0853.4	1047.7	124.6D	16.0			
	2950	GORK	1	S	0856.5	0857.5	2.9	16.0			
	200	HIRA	7	C	2326.0	2326.0	5.0	20.0			WL
02	127	TORN	43	NS	1134.0		206.0		6.0		V=0
	2840	PEKG	1	S	0541.0	0543.6	6.0	5.3			
	2840	PEKG	1	S	0634.0	0637.1	6.0	4.9			
03	200	HIRA	8	S	0119.0	0119.0	2.0	35.0			0
	410	LEAR	49	GB	0623.0	0623.0	U	600.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0623.0	0623.0	U	380.0			QL=2 ST=2 TYP=3
	204	IZMI	7	C	0909.6	0909.8	0.3	11.0			
	204	IZMI	7	C	0910.9	0910.9	0.1	6.0			
04	127	TORN	43	NS	0803.0		360.0		6.0		V=0,DISTURBED
	2840	PEKG	1	S	0649.0	0651.3	5.0	5.3			
05	127	TORN	43	NS	0810.0		260.0		5.0		V=1
	204	IZMI	7	C	1149.3	1149.4	0.1	3.0			
	200	HIRA	8	S	2317.0	2317.0	1.0	15.0			0
	245	LEAR	8	S	2317.0	2317.0	U	57.0			QL=4 ST=2 TYP=3
06	127	TORN	43	NS	0833.0		387.0		6.0		V=1,DISTURBED
	410	LEAR	8	S	0213.0	0213.0	U	62.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0213.0	0213.0	U	67.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0332.0	0339.8	22.0	77.2			
	4995	LEAR	8	S	0333.0	0333.0	1.0	59.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0339.0	0339.0	U	55.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0339.0	0339.0	U	62.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0340.0	0340.0	U	57.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0340.0	0340.0	U	43.0			QL=4 ST=2 TYP=3
	900	GORK	46	C	0809.2	0809.8	0.8	56.0			
	900	GORK	46	C	0809.2	0809.9		20.0			
	600	GORK	41	F	0830.9	0831.1	0.9	15.0			
	600	GORK	41	F	0830.9	0831.5		7.0			
	245	SGMR	8	S	1532.0	1532.0	U	130.0			QL=2 ST=2 TYP=3
07	2840	PEKG	1	S	0334.0	0337.4	9.0	4.7			
	2840	PEKG	5	S	0621.0	0623.4	5.0	13.0			
	2840	PEKG	20	GRF	0713.0	0719.2	13.0	1.7			
08	127	TORN	8	S	1321.8	1322.0	0.7	220.0	110.0		
	410	PALE	8	S	1944.0	1945.0	1.0	100.0			QL=4 ST=2 TYP=3
09	127	TORN	43	NS	0925.0		335.0		5.0		V=0
	2800	PENT	29	PBI	2031.0	2042.0	49.0	46.0			
10	127	TORN	44	NS	1330.0E		90.0D		8.0		V=1
11	127	TORN	44	NS	1330.0E		55.0D		5.0		V=1
	2840	PEKG	1	S	0049.0	0051.5	6.0	3.5			
	204	IZMI	7	C	0741.1	0741.1	0.1	26.0			
	204	IZMI	7	C	0852.8	0852.9	0.2	13.0			
	204	IZMI	42	SER	1155.6	1155.8	0.5	6.0			
	2800	PENT	40	F	1708.0	1726.0	24.0U	34.0			
	9500	CUBA	20	GRF	1719.0	1727.0	46.0	10.0	5.0		
	235	CUBA	6	S	1719.5	1733.0	20.6	39.0	20.0		
	280	CUBA	6	S	1719.5	1733.0	20.6	78.0	39.0		
	245	PALE	8	S	1733.0	1733.0	U	48.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1733.0	1733.0	1.0	62.0			QL=4 ST=2 TYP=3
12	127	TORN	43	NS	1040.0		260.0		7.0		V=1
	2840	PEKG	3	S	0144.0	0157.8	26.0	59.3			
	1415	PALE	48	C	0149.0	0154.0	8.0	92.0			QL=4 ST=2 TYP=8
	610	PALE	8	S	0149.0	0150.0	1.0	77.0			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

FEBRUARY 2003

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	1415	PALE	8	S	0149.0	0149.0	U	63.0			QL=4 ST=2 TYP=3
	2800	HIRA	7	C	0149.0	0158.0	12.0	45.0			0
	610	LEAR	48	C	0149.0	0156.0	12.0	150.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	0149.0	0156.0	12.0	130.0			QL=4 ST=2 TYP=8
	245	PALE	48	C	0150.0	0152.0	7.0	8400.0			QL=4 ST=2 TYP=8
	410	PALE	48	C	0150.0	0153.0	7.0	150.0			QL=4 ST=2 TYP=8
	410	PALE	8	S	0150.0	0150.0	2.0	130.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	0150.0	0153.0	10.0	2240.0			0
	410	LEAR	48	C	0150.0	0150.0	11.0	130.0			QL=4 ST=2 TYP=8
	1415	LEAR	4	S/F	0154.0	0154.0	3.0	97.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0156.0	0157.0	2.0	56.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0156.0	0157.0	2.0	68.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0157.0	0157.0	U	44.0			QL=4 ST=2 TYP=3
	127	TORN	45	C	1422.5	1423.2	2.2	120.0	20.0		
	245	SGMR	8	S	1645.0	1645.0	U	97.0			QL=4 ST=2 TYP=3
	2800	PENT	20	GRF	1841.0	1857.0	41.0	5.0			
	2800	PENT	29	PBI	2054.0	2107.0	38.0U	5.0			
13	127	TORN	44	NS	1340.0E		80.0D		10.0		V=1
	200	HIRA	8	S	0243.0	0243.0	1.0	10.0			0
	200	HIRA	8	S	0454.0	0454.0	1.0	10.0			0
	2800	PENT	24	R	1623.0	1720.0	69.0U	13.0			
14	127	TORN	43	NS	1020.0		263.0		5.0		V=1,DISTURBED
	2840	PEKG	1	S	0517.0	0520.0	8.0	2.2			
	2800	HIRA	8	S	0520.0	0520.0	1.0	45.0			0
	2800	PENT	1	S	1918.0	1926.0	13.0	6.0			
15	127	TORN	43	NS	1047.0		253.0		4.0		V=0
	204	IZMI	42	SER	0732.6	0733.0	0.6	11.0			
	204	IZMI	42	SER	0736.9	0737.6	0.8	42.0			
	245	PALE	8	S	1725.0	1726.0	2.0	76.0			QL=4 ST=2 TYP=3
16	127	TORN	43	NS	1000.0		300.0		8.0		V=1
17	127	TORN	43	NS	0935.0		55.0		9.0		V=0
	204	IZMI	7	C	0714.2	0714.4	0.4	3.0			
	204	IZMI	7	C	1159.6	1159.8	0.3	9.0			
	2800	PENT	1	S	2103.0	2110.0	13.0	3.0			
18	127	TORN	44	NS	1310.0E		90.0D		5.0		V=1
	204	IZMI	42	SER	0833.5	0834.1	1.8	10.0			
	204	IZMI	7	C	1142.3	1142.3	0.1	7.0			
	245	SVTO	8	S	1516.0	1516.0	U	99.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1616.0	1623.0	15.0	3.0			
19	127	TORN	43	NS	1000.0		90.0		8.0		V=0
	235	CUBA	44	NS	1400.0E		470.0D		7.0		
	280	CUBA	44	NS	1400.0E		470.0D	29.0			
	245	LEAR	43	NS	2251.0	2310.0	46.0	100.0			QL=4 ST=2 TYP=1
	900	GORK	1	S	0817.1	0817.2	0.3	11.0			
	9100	GORK	3	S	0817.1	0817.3	0.5	336.0			
	2800	PENT	1	S	1721.0	1725.0	8.0	2.0			
20	245	LEAR	43	NS	0212.0	0226.0	42.0	130.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0447.0	0447.0	213.0	120.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0618.0	0649.0	51.0	100.0			QL=2 ST=2 TYP=1
	127	TORN	44	NS	0940.0E		150.0D		6.0		V=1,DISTURBED
	204	IZMI	43	NS	1056.0		64.0D		10.0		
	235	CUBA	44	NS	1330.0E		330.0D		8.0		
	280	CUBA	44	NS	1330.0E		330.0D	31.0			
	245	SGMR	43	NS	1417.0	1417.0	13.0	95.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0052.0	0052.0	U	64.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0156.0	0156.0	U	52.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0424.0	0424.0	U	56.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0432.0	0432.0	U	64.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0518.0	0524.0	9.0	3.2			
	2840	PEKG	20	GRF	0650.0	0652.9	5.0	3.8			
	204	IZMI	42	SER	1136.7	1137.0	0.4	29.0			

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

FEBRUARY 2003

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	2800	PENT	20	GRF	2237.0	2319.0	75.0	3.0			
21	204	IZMI	43	NS	0700.0		300.0D		10.0		
	127	TORN	43	NS	0940.0		320.0		7.0		V=1
	245	SGMR	43	NS	1436.0	1948.0	362.0	220.0			QL=4 ST=2 TYP=1
	500	HIRA	8	S	0155.0	0155.0	1.0	10.0			0
	500	HIRA	8	S	0157.0	0157.0	1.0	10.0			0
	2840	PEKG	5	S	0501.0	0505.3	8.0	25.1			
	500	HIRA	8	S	0505.0	0505.0	1.0	40.0			0
	2800	HIRA	1	S	0505.0	0505.0	1.0	25.0			0
	2840	PEKG	1	S	0715.0	0717.2	7.0	5.3			
	600	GORK	3	S	0918.1	0918.2	0.5	141.0			
	9100	GORK	3	S	0918.1	0918.3	0.4	20.0			
	245	SGMR	8	S	1407.0	1407.0	U	54.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1513.0	1514.0	2.0	180.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1513.0	1515.0	3.0	81.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1514.0	1514.0	2.0	40.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1514.0	1515.0	3.0	150.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1514.0	1514.0	3.0	100.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1514.0	1514.0	3.0	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1514.0	1514.0	3.0	49.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1514.0	1514.0	3.0	27.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1514.0	1514.0	U	36.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1514.0	1514.0	1.0	43.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1514.0	1514.0	1.0	53.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1514.0	1514.0	1.0	31.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1514.2	1514.6	2.8	33.0	16.0		
	2800	PENT	1	S	1847.0	1852.0	10.0	3.0			
	610	SGMR	49	GB	1948.0	1948.0	1.0	1700.0			QL=4 ST=2 TYP=6
	2695	SGMR	8	S	1948.0	1948.0	1.0	55.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1948.0	1948.0	2.0	440.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1948.0	1948.0	5.0	220.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1948.0	1948.0	5.0	100.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1948.0	1948.0	4.0	41.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1948.0	1948.0	5.0	91.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1948.0	1948.0	5.0	300.0			QL=4 ST=2 TYP=3
	610	PALE	49	GB	1949.0	1949.0	U	1400.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	1949.0	1949.0	U	190.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1949.0	1949.0	U	85.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1949.0	1949.0	U	48.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1949.0	1949.0	U	70.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	1949.0	1949.0	U	96.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1949.0	1949.0	1.0	280.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	1949.0	1949.0	1.0	450.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	2330.0	2335.0	11.0	3.0			
22	204	IZMI	44	NS	0700.0E		300.0D		18.0		
	127	TORN	43	NS	0942.0		318.0		13.0		V=2,DISTURBED
	235	CUBA	44	NS	1445.0E		245.0D		11.0		
	280	CUBA	44	NS	1445.0E		245.0D	50.0			
	245	LEAR	8	S	0027.0	0027.0	U	51.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0027.0	0028.0	1.0	84.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0157.0	0201.8	9.0	42.4			
	500	HIRA	8	S	0201.0	0201.0	1.0	215.0			0
	2800	HIRA	1	S	0201.0	0202.0	3.0	40.0			0
	245	LEAR	49	GB	0201.0	0201.0	U	1300.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	0201.0	0201.0	U	190.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0201.0	0201.0	U	240.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0201.0	0201.0	U	81.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0201.0	0201.0	1.0	1400.0			QL=4 ST=2 TYP=6
	410	PALE	8	S	0201.0	0201.0	U	230.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0201.0	0201.0	1.0	240.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0201.0	0202.0	1.0	97.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0201.0	0201.0	1.0	56.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0213.0	0215.3	4.0	4.8			
	500	HIRA	8	S	0215.0	0215.0	1.0	25.0			0
	245	LEAR	49	GB	0215.0	0215.0	U	2400.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	0215.0	0215.0	U	66.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0215.0	0215.0	U	57.0			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

FEBRUARY 2003

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
22	245	PALE	49	GB	0215.0	0215.0	1.0	2600.0			QL=4 ST=2 TYP=6
	410	PALE	8	S	0215.0	0215.0	U	88.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0215.0	0215.0	U	56.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0309.0	0309.0	U	200.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0310.0	0310.0	1.0	30.0			0
	245	LEAR	8	S	0322.0	0322.0	U	81.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0610.0	0614.8	5.0	10.1			
	245	SVTO	8	S	0756.0	0756.0	U	61.0			QL=4 ST=2 TYP=3
	9100	GORK	46	C	0927.6	0928.4	3.9	77.0			
	9100	GORK	46	C	0927.6	0928.7		26.0			
	610	SVTO	8	S	0928.0	0928.0	U	48.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0928.0	0928.0	U	32.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0928.0	0928.0	U	41.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0928.0	0928.0	U	89.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0928.0	0928.0	U	71.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0928.2	0928.4	0.5	63.0			
	900	GORK	46	C	0928.2	0928.4	1.0	30.0			
	3000	IZMI	7	C	0928.2	0928.4	0.5	20.0	9.0		
	900	GORK	46	C	0928.2	0928.5		21.0			
	600	GORK	4	S/F	0928.3	0928.4	0.5	64.0			
	610	SVTO	8	S	1058.0	1058.0	U	79.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1203.0	1203.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1322.0	1322.0	U	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1554.0	1554.0	U	63.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1558.0	1558.0	U	70.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1558.0	1558.0	1.0	72.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1634.0	1634.0	U	100.0			QL=4 ST=2 TYP=3
23	127	TORN	43	NS	1017.0		116.0U		10.0		V=2,DISTURBED
	235	CUBA	44	NS	1420.0E		340.0D		9.0		
	280	CUBA	44	NS	1420.0E		340.0D	27.0			
	245	LEAR	8	S	0227.0	0227.0	U	190.0			QL=4 ST=2 TYP=3
	600	GORK	7	C	1028.2	1028.3	0.5	3.0			
	600	GORK	7	C	1028.2	1028.5		8.0			
	900	GORK	46	C	1029.5	1030.1	1.0	149.0			
	900	GORK	46	C	1029.5	1030.2		127.0			
	127	TORN	4	S/F	1237.8	1239.2	2.2	310.0	120.0		
24	127	TORN	43	NS	0906.0		354.0		6.0		V=0,DISTURBED
	235	CUBA	44	NS	1405.0E		355.0D		6.0		
	280	CUBA	44	NS	1405.0E		415.0D	25.0			
	245	SGMR	8	S	1448.0	1448.0	U	60.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1452.0	1453.0	1.0	66.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1718.0	1718.0	U	90.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	2221.0	2222.0	1.0	10.0			
	500	HIRA	8	S	2231.0	2231.0	1.0	10.0			
	2800	PENT	20	GRF	2258.0	2312.0	48.0	5.0			
25	127	TORN	43	NS	0813.0		407.0		11.0		V=1
	204	IZMI	7	C	0729.4	0729.4	0.2	18.0			
	900	GORK	2	S/F	0954.2	0954.4	0.5	8.0			
	9100	GORK	7	C	0957.1	0957.3	0.7	17.0			
	9100	GORK	7	C	0957.1	0957.4		19.0			
	600	GORK	2	S/F	1018.9	1019.1	0.5	11.0			
	900	GORK	42	SER	1018.9	1019.1	11.3	8.0			
	900	GORK	42	SER	1018.9	1024.4		4.0			
	204	IZMI	42	SER	1045.3	1045.4	2.7	36.0			
	245	LEAR	8	S	2335.0	2335.0	U	53.0			QL=4 ST=2 TYP=3
26	204	IZMI	43	NS	0700.0		205.0U		35.0		
	245	PALE	43	NS	2325.0	0120.0	35.0	160.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	2325.0	2326.0	35.0	150.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	2334.0	0120.0	264.0	180.0			QL=4 ST=2 TYP=1
	500	HIRA	8	S	0139.0	0140.0	1.0	45.0			
	245	LEAR	8	S	0438.0	0438.0	U	69.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0811.0	0811.0	U	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0811.0	0811.0	1.0	67.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1140.4	1152.0	23.0	139.0			
	245	SGMR	8	S	1844.0	1844.0	U	50.0			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

FEBRUARY 2003

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	245	LEAR	8	S	2325.0	2326.0	1.0	150.0			QL=4 ST=2 TYP=3
27	245	PALE	43	NS	2325.0	0132.0	205.0	160.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0716.0	0716.0	U	99.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0716.0	0716.0	U	89.0			QL=4 ST=2 TYP=3
	9100	GORK	46	C	0739.5	0739.7	0.7	329.0			
	9100	GORK	46	C	0739.5	0739.8		296.0			
	245	LEAR	8	S	0741.0	0742.0	1.0	87.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0742.0	0742.0	2.0	64.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0900.0	0901.0	1.0	50.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0901.0	0901.0	U	50.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0904.0	0904.0	U	62.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0911.0	0911.0	U	84.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0911.0	0911.0	U	89.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1015.0	1015.0	U	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1423.0	1423.0	2.0	97.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1433.0	1433.0	1.0	59.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1434.0	1434.0	2.0	84.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	1436.0	1436.0	U	53.0			QL=4 ST=2 TYP=3
28	127	TORN	44	NS	0850.0E		250.0D		11.0		V=1
	245	SGMR	43	NS	1224.0	1234.0	21.0	190.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1517.0	1535.0	82.0	100.0			QL=4 ST=2 TYP=1
	610	LEAR	8	S	0415.0	0415.0	U	75.0			QL=4 ST=2 TYP=3
	9100	GORK	8	S	0729.5	0729.7	0.5	27.0			
	204	IZMI	42	SER	1052.6	1052.9	0.4	25.0			
	204	IZMI	41	F	1053.8	1054.3	0.7	51.0			
	245	SGMR	8	S	1203.0	1203.0	U	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1206.0	1208.0	2.0	63.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1206.0	1212.0	10.0	200.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	1211.0	1212.0	1.0	87.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1220.0	1224.0	5.0	72.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1221.0	1221.0	U	50.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1230.0	1234.0	4.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1456.0	1456.0	U	51.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1517.0	1517.0	2.0	63.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1523.0	1529.0	6.0	87.0			QL=4 ST=2 TYP=8
	245	SVTO	48	C	1534.0	1535.0	3.0	68.0			QL=4 ST=2 TYP=8
	245	PALE	8	S	1804.0	1804.0	U	110.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1804.0	1804.0	U	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2056.0	2056.0	U	51.0			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.