SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 2004

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	4	S/F	0015.0	0019.0	4.0	86.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0020.0	0020.0	U	62.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0053.0	0053.0	1.0	10.0			0
	245	LEAR	8	S	0109.0	0109.0	1.0	250.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0110.0	0110.0	1.0	10.0			0
	245	PALE	8	S	0110.0	0110.0	U	200.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0116.0	0116.0	1.0	960.0			QL=4 ST=2 TYP=6
	410	PALE	8	S	0121.0	0121.0	U	99.0			QL=4 ST=2 TYP=3
	33	UPIC	4	S/F	0544.5	0545.0	2.5				
	600	GORK	2	S/F	0739.2	0739.4	0.5	4.4			
	900	GORK	41	F	0739.9	0740.0	8.3	15.0			
	900	GORK	41	F	0739.9	0746.8		12.0			
	204	IZMI	41	F	0930.0	0930.3	0.4	77.0			
	245	SVTO	8	S	0934.0	0935.0	1.0	58.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0934.0	0935.0	1.0	76.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0934.8	0935.1	0.5	49.0			
	900	GORK	7	C	0936.4	0936.5	0.4	12.0			
	900	GORK	7	C	0936.4	0936.6		8.3			
	600	GORK	40	F	0936.6	0936.9	0.6	5.8			
	245	SVTO	8	S	1135.0	1135.0	U	52.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	1141.9	1142.7	0.9	32.0			
	245	SGMR	8	S	1142.0	1142.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1142.0	1142.0	U	58.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1157.5	1157.7	0.9	9.0			
	245	SGMR	8	S	1836.0	1836.0	U	55.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1837.0	1837.0	U	56.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	2031.0	2035.0	53.0	3.0			
	245	PALE	8	S	2358.0	2358.0	U	240.0			QL=4 ST=2 TYP=3
02	235	CUBA	44	NS	1300.0E		530.0D		5.0		
	280	CUBA	44	NS	1300.0E		530.0D		15.0		
	8800	LEAR	8	S	0424.0	0424.0	U	52.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	0926.3	0926.4	0.1	5.0			
03	245	LEAR	8	S	0451.0	0451.0	U	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0451.0	0451.0	U	53.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1244.0	1244.5	2.0				
	33	UPIC	8	S	1344.0	1344.5	1.0				
	245	SGMR	8	S	1616.0	1616.0	U	52.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1616.0	1616.0	U	58.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1736.0	1736.0	1.0	54.0			QL=4 ST=2 TYP=3
04	9100	GORK	41	F	0654.0	0855.3		4.6			
	9100	GORK	41	F	0654.0	0816.8	162.0	5.8			
	600	GORK	7	C	0732.8	0733.2	4.8	4.0			
	600	GORK	7	C	0732.8	0734.8		8.0			
	900	GORK	2	S/F	0733.4	0735.0	4.2	9.6			
	245	LEAR	8	S	0736.0	0737.0	2.0	410.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0736.0	0737.0	2.0	330.0			QL=4 ST=2 TYP=3
	127	TORN	42	SER	0736.3U		7.0D	520.0	60.0		DISTURBED
	204	IZMI	45	C	0736.4	0736.7	2.0	323.0			
	2950	GORK	1	S	0854.7	0854.9	1.4	2.7			
05	2800	PENT	29	PBI	2114.0	2121.0	53.0	3.0			
06	204	IZMI	42	SER	0847.1	0847.8	0.8	13.0			
07	2804	VORO	20	GRF	0001.0	0043.0	120.0	7.1			
	245	LEAR	8	S	0251.0	0251.0	U	120.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0251.0	0251.0	U	90.0			QL=4 ST=2 TYP=3
08	15400	PALE	8	S	0348.0	0348.0	1.0	80.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1835.0	1846.0	38.0	4.0			
12	204	IZMI	43	NS	0600.0		360.0D		20.0		
13	245	LEAR	43	NS	0423.0	0443.0	20.0	57.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0423.0	0423.0	1177.0	52.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		15.0		

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

JUNE 2004

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
13	245	LEAR	43	NS	0839.0	0848.0	27.0	130.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1400.0E		340.0D		17.0		
	280	CUBA	44	NS	1400.0E		340.0D		26.0		
	245	PALE	8	S	0358.0	0358.0	U	51.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0613.0	0613.0	U	55.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0737.0	0738.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0845.0	0848.0	3.0	120.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0848.1	0848.3	0.4	53.0			
	245	SGMR	8	S	1054.0	1054.0	U	67.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1103.4	1111.0	23.8	113.0			
	410	SVTO	8	S	1235.0	1235.0	U	52.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1357.0	1357.0	U	85.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1823.0	1823.0	U	55.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1834.0	1834.0	U	54.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1834.0	1834.0	1.0	54.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	2011.0	2012.0	1.0	67.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2012.0	2012.0	U	62.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2235.0	2235.0	U	51.0			QL=4 ST=2 TYP=3
14	245	LEAR	43	NS	0158.0	0320.0	428.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0158.0	0158.0	1322.0	63.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0158.0	0315.0	1322.0	92.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0158.0	0320.0	1322.0	110.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0458.0	0458.0U	U	79.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0458.0	0458.0U	1142.0	79.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0535.0	1019.0	288.0	160.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		80.0		
	127	TORN	44	NS	1240.0E		170.0D		17.0		V=1
	235	CUBA	44	NS	1300.0E		420.0D		24.0		
	280	CUBA	44	NS	1300.0E		420.0D		28.0		
	245	SVTO	43	NS	1445.0	1612.0	170.0	89.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1445.0	1612.0	170.0	89.0			QL=4 ST=3 TYP=1
	245	SGMR	43	NS	1445.0	1454.0	288.0	110.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	2032.0	2126.0	153.0	130.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	2032.0	2126.0	153.0	130.0			QL=4 ST=3 TYP=1
	245	LEAR	43	NS	2330.0	0017.0	210.0	80.0			QL=4 ST=2 TYP=1
	245	PALE	8	S	0316.0	0316.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0320.0	0320.0	1.0	88.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0427.0	0427.0	U	59.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	0805.0		193.0		80.0		
	245	SGMR	8	S	1246.0	1246.0	U	80.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1246.0	1246.0	U	82.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1449.0	1449.0	U	60.0			QL=4 ST=2 TYP=3
15	245	LEAR	43	NS	0421.0	0421.0	84.0	76.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0421.0	0421.0	1179.0	76.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0618.0E		342.0D		60.0		
	127	TORN	44	NS	0630.0E		510.0D		8.0		V=1
	245	SVTO	43	NS	0747.0	0748.0	28.0	170.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0747.0	0748.0	79.0	190.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1300.0E		510.0D		9.0		
	280	CUBA	44	NS	1300.0E		510.0D		21.0		
	245	PALE	43	NS	1640.0	1740.0	588.0	130.0			QL=4 ST=2 TYP=1
	245	PALE	8	S	0421.0	0421.0	U	62.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0546.0	0546.0	U	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1126.0	1126.0	U	61.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1134.4	1135.6	2.0	14.0			
	2800	PENT	1	S	1956.0	1958.0	5.0	15.0			
	410	PALE	8	S	1958.0	1959.0	1.0	160.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1958.0	1959.0	1.0	310.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1958.0	1958.0	1.0	160.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1958.0	1958.0	1.0	50.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1959.0	1959.0	U	310.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2013.0	2013.0	1.0	56.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2017.0	2017.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2017.0	2017.0	U	54.0			QL=4 ST=2 TYP=3
16	204	IZMI	44	NS	0600.0E		360.0D		25.0		
	127	TORN	44	NS	0630.0E		540.0D		15.0		V=1

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

JUNE 2004

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	235	CUBA	44	NS	1300.0E		510.0D		12.0		
	280	CUBA	44	NS	1300.0E		510.0D		20.0		
	245	LEAR	8	S	0135.0	0135.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0244.0	0245.0	1.0	83.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0346.0	0346.0	1.0	10.0			0
	2800	HIRA	1	S	0416.0	0422.0	9.0	15.0			0
	500	HIRA	4	S/F	0416.0	0422.0	14.0	10.0			0
	2840	PEKG	20	GRF	0417.0	0421.6	23.0	19.6			
	600	GORK	4	S/F	0419.4	0421.7	4.6	10.0			
	900	GORK	41	F	0419.5	0421.4	9.7	7.0			
	2950	GORK	1	S	0419.5	0421.5	3.7	6.0			
	900	GORK	41	F	0419.5	0424.7		16.0			
	900	GORK	41	F	0419.5	0427.9		16.0			
	2804	VORO	3	S	0435.0	0439.5	7.5	7.0			
	245	LEAR	8	S	0455.0	0455.0	U	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0455.0	0455.0	U	63.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0759.4	0759.4	0.3	75.0			
	204	IZMI	7	C	0802.4	0802.4	0.1	22.0			
	245	SGMR	8	S	1456.0	1456.0	U	59.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1505.0	1505.0	U	51.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1538.0	1538.0	1.0	69.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1538.0	1538.0	1.0	57.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1538.0	1538.0	1.0	57.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	1642.0	1642.0	U	58.0			QL=4 ST=2 TYP=3
	2800	PENT	8	S	2256.0	2300.0	8.0	86.0			
	2840	PEKG	5	S	2258.0	2300.2	6.0	149.8			
	2800	HIRA	8	S	2259.0	2259.0	1.0	30.0			0
	2804	VORO	40	F	2259.1	2300.0	2.6	92.8			
17	204	IZMI	44	NS	0600.0E		360.0D		45.0		
	127	TORN	44	NS	0630.0E		540.0D		10.0		V=2,DISTURBED
	245	LEAR	43	NS	0647.0	0650.0	27.0	83.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0908.0	0918.0	10.0	85.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0908.0	0918.0	13.0	85.0			QL=4 ST=3 TYP=1
	245	SVTO	43	NS	1532.0	1533.0	63.0	140.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0100.0	0100.0	U	120.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0233.0	0236.4	14.0	18.5			
	2800	HIRA	3	S	0236.0	0237.0	5.0	15.0			WR
	500	HIRA	7	C	0236.0	0248.0	76.0	15.0			0
	245	LEAR	8	S	0246.0	0247.0	2.0	90.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0246.0	0247.0	2.0	90.0			QL=4 ST=3 TYP=3
	245	PALE	48	C	0246.0	0253.0	9.0	100.0			QL=4 ST=2 TYP=8
	245	LEAR	4	S/F	0250.0	0253.0	5.0	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0257.0	0257.0	U	59.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0412.0	0412.0	U	88.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0602.0	0603.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0602.0	0603.0	1.0	83.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0647.0	0647.0	1.0	61.0			QL=4 ST=2 TYP=3
	900	GORK	40	F	0655.2	0656.3	1.2	9.0			
	600	GORK	40	F	0655.2	0655.7	1.4	24.0			
	600	GORK	46	C	0835.5	0836.3		13.0			
	600	GORK	46	C	0835.5	0835.9	1.0	19.0			
	245	LEAR	8	S	0837.0	0837.0	U	220.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0837.0	0837.0	U	160.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0846.0	0846.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0859.0	0859.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0859.0	0859.0	U	51.0			QL=4 ST=2 TYP=3
	600	GORK	4	S/F	0908.5	0908.7	0.5	23.0			
	33	UPIC	45	C	0924.5	0925.0	1.5				
	204	IZMI	42	SER	0924.6	0924.9	0.4	113.0			
	245	SGMR	8	S	1107.0	1107.0	U	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1117.0	1117.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1206.0	1206.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1257.0	1257.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1340.0	1340.0	U	50.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1406.0	1406.0	U	55.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1420.0	1420.0	U	97.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1442.0	1442.0	U	61.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1500.0	1500.0	U	70.0			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

JUNE 2004

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	245	SVTO	8	S	1514.0	1514.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1523.0	1523.0	U	83.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1551.0	1551.0	U	57.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1551.0	1551.0	U	85.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1623.0	1623.0	U	110.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1623.0	1623.0	U	250.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1636.0	1636.0	U	68.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1841.0	1842.0	1.0	3600.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	2131.0	2131.0	U	290.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2335.0	2336.0	1.0	690.0			QL=4 ST=2 TYP=6
18	245	LEAR	43	NS	0007.0	0007.0	1433.0	68.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0007.0	0128.0	1433.0	93.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0007.0	0130.0	1433.0	140.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0007.0	0734.0	1433.0	190.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0007.0	0734.0	1433.0	190.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0505.0	0734.0	590.0	110.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0505.0	0505.0	1135.0	53.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0505.0	0542.0	1135.0	69.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0505.0	0621.0	1135.0	91.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0505.0	0706.0	1135.0	96.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		130.0		
	245	SGMR	43	NS	0929.0	1455.0	522.0	120.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	0929.0	1051.0	871.0	60.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	0929.0	1103.0	871.0	110.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	0929.0	1455.0	871.0	120.0			QL=4 ST=1 TYP=1
	245	SGMR	44	NS	0929.0E	1041.0U	871.0D	48.0			QL=4 ST=1 TYP=1
	235	CUBA	44	NS	1540.0E		350.0D		35.0		
	280	CUBA	44	NS	1540.0E		350.0D		45.0		
	245	PALE	43	NS	1747.0	1747.0	25.0	69.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1747.0	1747.0	373.0	69.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	2338.0	0130.0	298.0	130.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2346.0	0257.0	561.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0745.0	0745.0	U	300.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0745.0	0745.0	U	170.0			QL=2 ST=2 TYP=3
	245	LEAR	48	C	0851.0	0856.0	5.0	530.0			QL=2 ST=2 TYP=8
	245	SVTO	48	C	0851.0	0851.0	4.0	260.0			QL=2 ST=2 TYP=8
	245	SVTO	8	S	0908.0	0908.0	U	130.0			QL=2 ST=2 TYP=3
	245	SVTO	48	C	0924.0	0927.0	3.0	220.0			QL=2 ST=2 TYP=8
	245	SVTO	8	S	1605.0	1605.0	U	53.0			QL=2 ST=3 TYP=3
	245	SVTO	8	S	1654.0	1654.0	U	91.0			QL=2 ST=3 TYP=3
	245	SVTO	8	S	1710.0	1711.0	1.0	180.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1929.0	1930.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1930.0	1930.0	1.0	80.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1935.0	1935.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2000.0	2000.0	U	83.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2001.0	2001.0	U	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2115.0	2116.0	1.0	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2146.0	2146.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2150.0	2150.0	U	58.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2156.0	2156.0	U	66.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2203.0E	2203.0	U	72.0			QL=4 ST=2 TYP=3
	2804	VORO	2	S/F	2339.4	2341.8	3.7	10.8			
	2800	PENT	29	PBI	2340.0	2351.0	54.0	19.0			
	2840	PEKG	3	S	2347.0	2351.7	10.0	15.5			
	2800	HIRA	1	S	2348.0	2352.0	5.0	15.0			0
19	245	SVTO	43	NS	0555.0	0904.0	211.0	90.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0555.0	0601.0	1085.0	53.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0555.0	0607.0	1085.0	65.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0555.0	0621.0	1085.0	75.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0555.0	0636.0	1085.0	83.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0555.0	0904.0	1085.0	90.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		100.0		
	245	SVTO	43	NS	1418.0	1418.0	27.0	98.0			QL=4 ST=2 TYP=1
	245	PALE	8	S	0138.0	0138.0	1.0	94.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0206.0	0206.0	1.0	56.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0227.0	0227.0	U	96.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0258.0	0258.0	U	84.0			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

JUNE 2004

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
19	2840	PEKG	1	S	0616.0	0620.1	8.0	9.1			
	2950	GORK	23	GRF	0618.3	0622.2	15.2	5.9			
	2950	GORK	23	GRF	0618.3	0624.9		7.4			
	9100	GORK	20	GRF	0618.5	0620.4	16.7	9.6			
	2800	HIRA	1	S	0619.0	0620.0	3.0	10.0			0
	2950	GORK	7	C	0619.1	0620.1		8.2			
	2950	GORK	7	C	0619.1	0619.5	1.6	7.4			
	2840	PEKG	1	S	0822.0	0825.7	9.0	4.7			
	2950	GORK	46	C	0824.0	0825.0	7.2	8.6			
	2950	GORK	46	C	0824.0	0826.8		7.2			
	3000	IZMI	20	GRF	0824.9	0826.7	6.3	7.0	2.2		
	9100	GORK	20	GRF	0825.4	0826.5	7.8	8.5			
	33	UPIC	42	SER	0849.0	1129.0	197.0				
	204	IZMI	7	C	0859.3	0859.4	0.2	148.0			
	245	SGMR	8	S	1152.0	1152.0	U	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1347.0	1348.0	1.0	110.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1348.0	1348.0	U	87.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1348.0	1348.0	U	87.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1354.0	1354.0	U	56.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1418.0	1418.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1554.0	1554.0	U	73.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1616.0	1616.0	U	55.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1701.0	1702.0	1.0	59.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1702.0	1702.0	U	31.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1703.0	1703.0	U	61.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1705.0	1705.0	U	88.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1706.0	1706.0	U	130.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1727.0	1727.0	U	78.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1740.0	1740.0	U	53.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1801.0	1802.0	1.0	68.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1810.0	1811.0	1.0	160.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1844.0	1844.0	U	85.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1951.0	1951.0	U	130.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2024.0	2024.0	U	70.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2028.0	2028.0	U	94.0			QL=4 ST=2 TYP=3
20	204	IZMI	44	NS	0600.0E		360.0D		70.0		
	245	SVTO	43	NS	0805.0	0909.0	102.0	210.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0806.0	0830.0	61.0	280.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	0929.0	1110.0U	871.0	63.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1322.0	1601.0	235.0	64.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1322.0	1601.0	235.0	64.0			QL=4 ST=3 TYP=1
	245	LEAR	8	S	0158.0	0159.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0245.0	0245.0	U	150.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0245.0	0246.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0252.0	0252.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0253.0	0253.0	U	110.0			QL=4 ST=2 TYP=3
	2950	GORK	1	S	0355.3	0355.9	2.3	4.2			
	245	LEAR	8	S	0450.0	0451.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0450.0	0451.0	1.0	96.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0610.0	0610.0	U	62.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0755.0	0755.0	U	67.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0801.0	0801.0	2.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0801.0	0801.0	1.0	91.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0843.0	0845.8	8.0	40.4			
	2950	GORK	4	S/F	0845.7	0845.9	2.1	50.0			
	9100	GORK	1	S	0845.7	0845.9	0.8	7.5			
	3000	IZMI	20	GRF	0845.7	0845.9	6.0	43.7	9.9		
	2800	HIRA	8	S	0846.0	0846.0	1.0	35.0			0
	245	SGMR	8	S	1110.0	1110.0	U	63.0			QL=4 ST=3 TYP=3
	2800	PENT	29	PBI	1313.0	1328.0	74.0	29.0			
	245	SVTO	8	S	1601.0	1601.0	U	63.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2017.0	2018.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2017.0	2017.0	U	38.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2017.0	2018.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2017.0	2017.0	U	46.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2229.0	2231.0	2.0	110.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2229.0	2231.0	2.0	110.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	2231.0	2231.0	1.0	99.0			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

JUNE 2004

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	PALE	8	S	2241.0	2241.0	2.0	92.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2241.0	2241.0	2.0	96.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2248.0	2248.0	U	65.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2248.0	2248.0	U	71.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2317.0	2317.0	4.0	130.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	2321.0	2321.0	U	56.0			QL=4 ST=2 TYP=3
21	245	PALE	43	NS	0330.0	0425.0	88.0	91.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	0330.0	0355.0	1230.0	81.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0359.0	0425.0	123.0	120.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0359.0	0400.0	1201.0	56.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0359.0	0413.0	1201.0	71.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0359.0	0425.0	1201.0	120.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0450.0	0521.0	72.0	85.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0450.0	0521.0	1150.0	85.0			QL=4 ST=1 TYP=1
	410	SVTO	43	NS	0452.0	0504.0	12.0	120.0			QL=4 ST=2 TYP=1
	410	SVTO	43	NS	0452.0	0458.0	1148.0	61.0			QL=4 ST=1 TYP=1
	410	SVTO	43	NS	0452.0	0503.0	1148.0	91.0			QL=4 ST=1 TYP=1
	410	SVTO	43	NS	0452.0	0504.0	1148.0	120.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		55.0		
	127	TORN	44	NS	0850.0E		370.0D		150.0		V=1
	245	SGMR	43	NS	1049.0	1559.0	352.0	130.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1049.0	1052.0	791.0	67.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1049.0	1109.0	791.0	120.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1117.0	1205.0	185.0	97.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1550.0	1559.0	51.0	130.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1609.0	1641.0	32.0	68.0			QL=4 ST=2 TYP=1
	2950	GORK	1	S	0423.1	0423.5	1.5	6.0			
	410	LEAR	8	S	0440.0	0440.0	U	62.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0526.0	0526.0	U	52.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0823.0	0823.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0823.0	0823.0	1.0	80.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1136.5	1137.0	2.0				
	410	SVTO	8	S	1137.0	1137.0	U	56.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1314.0	1315.0	1.0	360.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1315.0	1315.0	U	460.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1603.0	1614.0	29.0	6.0			
	245	PALE	8	S	1745.0	1745.0	U	56.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1745.0	1745.0	U	54.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1745.0	1745.5	1.0				
	33	UPIC	45	C	1802.0	1803.5	2.0				
	245	PALE	8	S	1908.0	1908.0	U	67.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1908.0	1908.0	U	61.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2007.0	2007.0	U	67.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2007.0	2007.0	U	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2010.0	2010.0	U	51.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2020.0	2020.0	U	54.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2141.0	2142.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2152.0	2152.0	U	62.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2157.0	2157.0	U	64.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2234.0	2234.0	U	57.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2235.0	2235.0	U	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2244.0	2244.0	U	52.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2244.0	2245.0	1.0	60.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2310.0	2310.0	U	78.0			QL=4 ST=2 TYP=3
22	245	LEAR	43	NS	0016.0	0052.0	119.0	250.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	0110.0	0110.0	154.0	120.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0531.0	0750.0	350.0	350.0			QL=2 ST=2 TYP=1
	245	LEAR	43	NS	0541.0	0750.0	207.0	320.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		90.0		
	127	TORN	44	NS	0630.0E		540.0D		30.0		V=2
	245	SGMR	43	NS	1045.0	1104.0	61.0	450.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1045.0	1045.0	795.0	75.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1045.0	1104.0	795.0	450.0			QL=4 ST=1 TYP=1
	280	CUBA	44	NS	1325.0E		485.0D		14.0		
	235	CUBA	44	NS	1325.0E		505.0D		15.0		
	245	LEAR	8	S	0009.0	0009.0	U	110.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0009.0	0010.0	1.0	85.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 2004

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	8	S	0017.0	0018.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0029.0	0029.0	2.0	89.0			QL=4 ST=2 TYP=3
	245	PALE	48	C	0046.0	0053.0	15.0	190.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0506.0	0506.0	U	69.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0506.0	0507.0	1.0	63.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0535.0	0537.0	2.0	60.0			QL=4 ST=2 TYP=3
	9100	GORK	40	F	0808.4	0809.9	4.6	95.0			
	204	IZMI	42	SER	1156.6	1156.7	0.4	58.0			
	33	UPIC	8	S	1239.0	1239.2	0.8				
	245	SGMR	8	S	1903.0	1903.0	U	140.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	2324.0	2326.5	6.0	15.4			
	2804	VORO	8	S	2326.3	2326.6	0.3	10.0			
23	204	IZMI	44	NS	0600.0E		251.0D		5.0		
	127	TORN	44	NS	0630.0E		90.0D		25.0		V=1
	235	CUBA	44	NS	1800.0E		150.0D		14.0		
	280	CUBA	44	NS	1800.0E		150.0D		18.0		
	9100	GORK	20	GRF	0537.0	0607.8	65.0	12.0			
	2950	GORK	20	GRF	0551.0	0559.7	27.2	7.5			
	204	IZMI	42	SER	0601.2	0629.8	50.3	90.0			
	245	LEAR	8	S	0603.0	0603.0	U	78.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0603.0	0603.0	U	68.0			QL=4 ST=2 TYP=3
	410	SVTO	48	C	1534.0	1539.0	6.0	100.0			QL=4 ST=2 TYP=8
	410	SGMR	48	C	1536.0	1538.0	3.0	73.0			QL=4 ST=2 TYP=8
	410	SVTO	4	S/F	1542.0	1543.0	5.0	64.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1544.0	1544.0	U	64.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1634.0	1634.5	1.0				
	410	SVTO	4	S/F	1704.0	1714.0	11.0	120.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1710.0	1714.0	5.0	88.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1710.5	1710.5	3.5				
	33	UPIC	45	C	1710.5	1710.5	3.5				
	245	SGMR	8	S	1714.0	1715.0	1.0	69.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1714.0	1714.0	U	23.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1715.0	1715.0	U	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1721.0	1721.0	U	70.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1734.0	1734.0	1.0	97.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1739.0	1739.0	U	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1809.0	1809.0	U	79.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1930.0	1931.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1934.0	1934.0	1.0	83.0			QL=4 ST=2 TYP=3
	245	SGMR	48	C	1941.0	1944.0	3.0	70.0			QL=4 ST=2 TYP=8
24	127	TORN	44	NS	0830.0E		360.0D		8.0		V=1
	235	CUBA	44	NS	1315.0E		495.0D		6.0		
	280	CUBA	44	NS	1315.0E		495.0D		12.0		
	2950	GORK	21	GRF	0551.0	0603.0	30.6	6.1			
	2840	PEKG	1	S	0551.0	0555.4	8.0	5.4			
	9100	GORK	20	GRF	0554.0	0619.4	28.6	9.9			
	2950	GORK	1	S	0554.5	0555.4	2.7	7.7			
	2840	PEKG	1	S	0611.0	0614.5	8.0	3.1			
	204	IZMI	42	SER	0612.9	0616.5	3.9	64.0			
	500	HIRA	7	C	0613.0	0617.0	6.0	5.0			0
	2950	GORK	1	S	0613.7	0615.1	2.0	4.6			
	204	IZMI	42	SER	0617.6	0621.8	81.5	26.0			
	2950	GORK	31	ABS	0621.6	0632.0	31.6	9.2			
	2950	GORK	1	S	0717.2	0717.6	0.8	4.7			
	204	IZMI	41	F	0913.4	0914.9	2.2	146.0			
	204	IZMI	42	SER	0916.8	0917.3	2.8	36.0			
	204	IZMI	41	F	1021.3	1021.5	0.8	34.0			
	245	SVTO	8	S	1435.0	1435.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1701.0	1701.0	U	21.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1701.0	1701.0	U	51.0			QL=2 ST=2 TYP=3
25	235	CUBA	44	NS	1400.0E		240.0D		9.0		
	280	CUBA	44	NS	1400.0E		240.0D		16.0		
	245	SGMR	43	NS	1910.0	1910.0	36.0	76.0			QL=4 ST=2 TYP=1
	2950	GORK	20	GRF	0515.8	0517.0	8.7	7.3			
	245	LEAR	8	S	0750.0	0750.0	U	80.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	0750.0	0754.0	4.0	170.0			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

JUNE 2004

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	204	IZMI	41	F	0750.2	0752.8	6.7	141.0			
	33	UPIC	45	C	0750.5	0751.8	2.0				
	245	LEAR	8	S	0753.0	0754.0	1.0	250.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	0756.9	0757.0	0.2	13.0			
	245	SGMR	8	S	1211.0	1211.0	1.0	81.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2049.0	2049.0	U	140.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2050.0	2050.0	U	140.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	2144.0	2144.0	1.0	15.0			0
26	235	CUBA	44	NS	1300.0E		510.0D		5.0		
	280	CUBA	44	NS	1300.0E		510.0D		11.0		
	2840	PEKG	3	S	0653.0	0656.4	12.0	21.3			
	2950	GORK	46	C	0655.6	0656.4	4.1	18.0			
	2950	GORK	46	C	0655.6	0656.6		16.0			
	9100	GORK	46	C	0655.7	0656.5	2.6	31.0			
	9100	GORK	21	GRF	0655.7	0720.7	53.1	18.0			
	9100	GORK	46	C	0655.7	0656.8		30.0			
	3000	IZMI	20	GRF	0655.9	0656.5	2.1	18.0	11.5		
	2800	HIRA	1	S	0656.0	0657.0	3.0	15.0			0
	9100	GORK	2	S/F	0701.4	0702.1	1.6	11.0			
	33	UPIC	32	ABS	0711.0	0719.0	21.0				
27	127	TORN	44	NS	0900.0E		120.0D		6.0		V=0
	245	SVTO	4	S/F	0917.0	0920.0	5.0	54.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0938.0	0938.0	2.0	52.0			QL=4 ST=2 TYP=3
28	2800	PENT	1	S	1546.0	1555.0	18.0	4.0			
29	2800	PENT	21	GRF	1802.0	1830.0	90.0U	3.0			
30	2800	PENT	29	PBI	1414.0	1431.0	67.0	12.0			

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	40 Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	40F Rise Only F	260 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.