SOLAR RADIO EMISSION
Selected Fixed Frequency Events

JULY 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	Int	Remarks
11	2695	SVTO	8	S	0738.0	0738.0	U	49.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0738.0	0738.0	U	46.0			QL=4 ST=2 TYP=3
12	8800	SVTO	4	S/F	0752.0	0755.0	7.0	87.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0755.0	0756.0	1.0	55.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0755.0	0755.0	1.0	52.0			QL=4 ST=2 TYP=3
13	2695	LEAR	4	S/F	0013.0	0015.0	6.0	350.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0013.0	0017.0	9.0	820.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	0013.0	0016.0	9.0	870.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	0013.0	0015.0	6.0	400.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0630.0	0630.0	1.0	48.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0844.0	0847.0	4.0	87.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0844.0	0847.0	5.0	89.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0844.0	0847.0	7.0	140.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0847.0	0847.0	U	56.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0858.0	0858.0	U	21.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1202.0	1205.0	11.0	260.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1204.0	1205.0	7.0	380.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1204.0	1205.0	10.0	390.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1205.0	1205.0	6.0	260.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1836.0	1836.0	U	77.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	1927.0	1930.0	5.0	270.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1927.0	1930.0	6.0	230.0			QL=2 ST=2 TYP=8
	2695	PALE	4	S/F	1929.0	1930.0	3.0	170.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1929.0	1930.0	4.0	140.0			QL=2 ST=2 TYP=3
14	8800	LEAR	8	S	0520.0	0521.0	1.0	94.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0520.0	0521.0	1.0	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0520.0	0521.0	1.0	62.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0520.0	0521.0	3.0	52.0			QL=4 ST=2 TYP=3
15	2695	LEAR	4	S/F	0136.0	0138.0	4.0	310.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0137.0	0139.0	3.0	330.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0137.0	0138.0	11.0	550.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	0138.0	0139.0	13.0	700.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	1816.0	1817.0	2.0	25.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	1821.0	1823.0	9.0	700.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1821.0	1823.0	13.0	970.0			QL=4 ST=2 TYP=6
	2695	PALE	49	GB	1822.0	1824.0	5.0	680.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	1822.0	1824.0	4.0	900.0			QL=4 ST=2 TYP=6
16	2695	LEAR	4	S/F	0202.0	0203.0	3.0	450.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0202.0	0203.0	4.0	1000.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	0203.0	0204.0	3.0	460.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	0203.0	0203.0	3.0	930.0			QL=4 ST=2 TYP=6
	8800	SVTO	4	S/F	1037.0	1039.0	4.0	220.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	1038.0	1040.0	4.0	500.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	1038.0	1039.0	2.0	200.0			QL=4 ST=2 TYP=3
	2695	SVTO	49	GB	1038.0	1040.0	3.0	600.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	1352.0	1353.0	17.0	7100.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	1353.0	1354.0	7.0	2900.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1353.0	1353.0	15.0	6100.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1353.0	1354.0	35.0	2900.0			QL=4 ST=2 TYP=6
17	2695	LEAR	4	S/F	0345.0	0346.0	3.0	51.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0346.0	0346.0	U	67.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0755.0	0756.0	4.0	380.0			QL=4 ST=2 TYP=3
	2695	LEAR	49	GB	0755.0	0756.0	4.0	580.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	0755.0	0756.0	10.0	670.0			QL=4 ST=2 TYP=6
	8800	SVTO	4	S/F	0755.0	0756.0	10.0	470.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0803.0	0803.0	U	57.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1253.0	1253.0	U	43.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1253.0	1253.0	1.0	90.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1253.0	1253.0	1.0	80.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1254.0	1254.0	U	36.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1649.0	1649.0	3.0	120.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1649.0	1649.0	U	61.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1649.0	1649.0	U	52.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
Selected Fixed Frequency Events

JULY 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	Int	Remarks
17	8800	SGMR	8	S	1649.0	1650.0	1.0	79.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1649.0	1650.0	4.0	72.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1649.0	1649.0	1.0	51.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1917.0	1917.0	1.0	160.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1917.0	1917.0	1.0	240.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1917.0	1917.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1917.0	1917.0	U	200.0			QL=4 ST=2 TYP=3
18	8800	SGMR	4	S/F	1146.0	1146.0	3.0	380.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1146.0	1146.0	U	25.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1146.0	1146.0	1.0	360.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1146.0	1146.0	U	59.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1412.0	1412.0	1.0	48.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1412.0	1413.0	1.0	39.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1412.0	1412.0	U	52.0			QL=4 ST=2 TYP=3
19	8800	SVTO	8	S	0652.0	0652.0	U	62.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0652.0	0652.0	1.0	58.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2056.0	2057.0	1.0	170.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2057.0	2058.0	1.0	160.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2057.0	2057.0	U	24.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2137.0	2138.0	1.0	41.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2138.0	2138.0	U	29.0			QL=4 ST=2 TYP=3
20	2695	LEAR	8	S	0058.0	0058.0	1.0	86.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0059.0	0059.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1106.0	1107.0	1.0	80.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1106.0	1107.0	2.0	90.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1125.0	1125.0	U	27.0			QL=4 ST=2 TYP=3
	2695	SVTO	49	GB	1226.0	1228.0	49.0	3000.0			QL=4 ST=3 TYP=6
	8800	SVTO	49	GB	1226.0	1228.0	42.0	4900.0			QL=4 ST=3 TYP=6
	8800	SGMR	49	GB	1226.0	1229.0	51.0	4700.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1226.0	1229.0	81.0	2800.0			QL=4 ST=2 TYP=6
	8800	SGMR	4	S/F	2109.0	2110.0	3.0	53.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2112.0	2116.0	6.0	66.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2114.0	2117.0	4.0	66.0			QL=4 ST=2 TYP=3
21	8800	LEAR	8	S	0032.0	0032.0	U	180.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	0033.0	0033.0	U	210.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0505.0	0516.0	14.0	200.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0506.0	0516.0	13.0	320.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0512.0	0514.0	7.0	190.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0514.0	0516.0	3.0	250.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0758.0	0758.0	1.0	42.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2354.0	2355.0	3.0	37.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2354.0	2355.0	5.0	40.0			QL=4 ST=2 TYP=3
22	8800	PALE	48	C	0018.0	0031.0	51.0	360.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0018.0	0031.0	66.0	360.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	0021.0	0027.0	48.0	360.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0021.0	0027.0	54.0	300.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	0109.0	0110.0	7.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0109.0	0110.0	16.0	130.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0214.0	0215.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0214.0	0215.0	3.0	120.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0215.0	0215.0	1.0	80.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0215.0	0215.0	1.0	87.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0635.0	0636.0	1.0	72.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0635.0	0636.0	1.0	63.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0743.0	0744.0	20.0	180.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0743.0	0755.0	20.0	680.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0744.0	0744.0	1.0	150.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0744.0	0744.0	U	230.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0755.0	0755.0	4.0	400.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0755.0	0755.0	2.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0907.0	0909.0	6.0	76.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0908.0	0909.0	2.0	94.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0909.0	0909.0	U	79.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0909.0	0909.0	3.0	42.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

JULY 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	Int	Remarks
22	8800	SGMR	4	S/F	1003.0	1005.0	13.0	71.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1003.0	1009.0	55.0	210.0			QL=4 ST=2 TYP=3
	8800	SGMR	49	GB	1103.0E	1105.0U	12.0D	700.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1104.0E	1105.0U	6.0D	200.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1539.0	1539.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1539.0	1539.0	1.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1539.0	1539.0	U	31.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1719.0	1719.0	1.0	58.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2244.0	2247.0	11.0	68.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2244.0	2255.0	43.0	380.0			QL=4 ST=2 TYP=3
23	8800	LEAR	8	S	0643.0	0644.0	2.0	88.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0643.0	0644.0	3.0	83.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0643.0	0644.0	3.0	79.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0644.0	0644.0	U	65.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0707.0	0731.0	26.0	110.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	0722.0	0731.0	11.0	78.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0731.0	0731.0	U	83.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0731.0	0731.0	U	64.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1604.0	1604.0	1.0	35.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1710.0	1710.0	1.0	160.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1710.0	1710.0	U	21.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1710.0	1710.0	2.0	170.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	1718.0	1720.0	15.0	210.0			QL=2 ST=2 TYP=8
	8800	PALE	48	C	1719.0	1720.0	9.0	1100.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1719.0	1720.0	9.0	170.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1719.0	1720.0	11.0	1100.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1719.0	1720.0	11.0	180.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1719.0	1720.0	11.0	1400.0			QL=2 ST=2 TYP=8
	8800	SGMR	4	S/F	2116.0	2119.0	14.0	340.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2118.0	2119.0	6.0	290.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2118.0	2119.0	7.0	120.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2119.0	2119.0	1.0	110.0			QL=4 ST=2 TYP=3
24	2695	SVTO	4	S/F	0603.0	0604.0	6.0	230.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0603.0	0604.0	5.0	380.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0604.0	0604.0	2.0	360.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0604.0	0604.0	2.0	170.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0814.0	0814.0	1.0	43.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0814.0	0814.0	1.0	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1017.0	1018.0	1.0	30.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1017.0	1018.0	1.0	44.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1334.0E	1334.0	1.0D	140.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1334.0E	1334.0	U	480.0			QL=2 ST=2 TYP=3
	8800	SVTO	49	GB	1334.0	1334.0	6.0	1000.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1334.0	1334.0	4.0	200.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1843.0	1844.0	9.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	1843.0	1845.0	13.0	420.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1843.0	1844.0	12.0	370.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	1845.0	1845.0	1.0	110.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2314.0	2314.0	1.0	62.0			QL=4 ST=2 TYP=3
25	2695	LEAR	8	S	0028.0	0029.0	2.0	200.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0028.0	0029.0	3.0	290.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0029.0	0030.0	1.0	220.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0029.0	0029.0	3.0	250.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0033.0	0033.0	U	52.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0543.0	0548.0	16.0	1800.0			QL=4 ST=2 TYP=6
	2695	SVTO	48	C	0543.0	0548.0	15.0	810.0			QL=2 ST=2 TYP=8
	8800	LEAR	49	GB	0544.0	0547.0	48.0	2100.0			QL=4 ST=2 TYP=6
	2695	LEAR	49	GB	0545.0	0548.0	10.0	660.0			QL=4 ST=2 TYP=6
	8800	LEAR	4	S/F	0632.0	0636.0	23.0	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0633.0	0636.0	6.0	100.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0708.0	0712.0	10.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0712.0	0712.0	U	63.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1320.0	1322.0	5.0	120.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1322.0	1322.0	3.0	110.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1339.0	1354.0	18.0	140.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1342.0	1354.0	13.0	150.0			QL=4 ST=2 TYP=8

S O L A R R A D I O E M I S S I O N
Selected Fixed Frequency Events
JULY 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	2695	SGMR	4	S/F	1349.0	1354.0	6.0	65.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1349.0	1355.0	6.0	69.0			QL=4 ST=2 TYP=3
	2695	SGMR	20	GRF	1424.0	1506.0	99.0	120.0			QL=4 ST=2 TYP=2
	2695	SVTO	20	GRF	1424.0	1506.0	143.0	110.0			QL=4 ST=2 TYP=2
	8800	SGMR	20	GRF	1436.0	1543.0	87.0	76.0			QL=4 ST=2 TYP=2
	8800	SVTO	48	C	1441.0	1519.0	126.0	88.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	1638.0	1639.0	8.0	170.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1641.0	1641.0	U	78.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1658.0	1658.0	U	53.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1704.0	1704.0	U	53.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1704.0	1704.0	U	59.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1955.0	1956.0	3.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1956.0	1957.0	3.0	150.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1956.0	1957.0	1.0	63.0			QL=4 ST=2 TYP=3
26	8800	LEAR	4	S/F	0539.0	0551.0	13.0	230.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0539.0	0551.0	15.0	220.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0546.0	0551.0	5.0	65.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0550.0	0551.0	1.0	61.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1652.0	1652.0	U	39.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1655.0	1655.0	1.0	58.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1725.0	1729.0	5.0	180.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1726.0	1730.0	5.0	190.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1727.0	1728.0	2.0	38.0			QL=4 ST=2 TYP=3
27	2695	LEAR	8	S	0544.0	0545.0	2.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0544.0	0544.0	2.0	400.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0544.0	0545.0	2.0	340.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0544.0	0545.0	3.0	120.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2013.0	2016.0	3.0	53.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2353.0	2355.0	6.0	190.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2354.0	2356.0	4.0	190.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2355.0	2356.0	3.0	170.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2355.0	2356.0	4.0	190.0			QL=4 ST=2 TYP=3
28	2695	SVTO	8	S	0805.0	0805.0	1.0	25.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0806.0	0806.0	U	27.0			QL=4 ST=2 TYP=3
29	8800	SGMR	8	S	1632.0	1632.0	U	25.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1632.0	1632.0	U	24.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2356.0	2356.0	U	53.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	2356.0	2356.0	U	80.0			QL=2 ST=2 TYP=3
	2695	PALE	8	S	2356.0	2356.0	U	97.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2356.0	2356.0	U	92.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2358.0	2358.0	1.0	53.0			QL=4 ST=2 TYP=3
31	2695	LEAR	8	S	0050.0	0050.0	2.0	150.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0050.0	0051.0	3.0	170.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1037.0	1039.0	8.0	220.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1038.0	1039.0	6.0	220.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1039.0	1040.0	2.0	36.0			QL=4 ST=2 TYP=3

Reports are received routinely from the following observatories:
LEAR = Learmonth PALE = Palehua SGMR = Sagamore Hill SVTO = San Vito

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.