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

SEPTEMBER 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	8800	PALE	8	S	2040.0	2041.0	2.0	100.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2041.0	2041.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2314.0	2316.0	7.0	200.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	2314.0	2315.0	1.0	75.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2314.0	2315.0	2.0	130.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2314.0	2315.0	2.0	150.0			QL=4 ST=2 TYP=3
02	2695	LEAR	8	S	0312.0	0312.0	1.0	43.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0543.0	0543.0	1.0	240.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0543.0	0543.0	3.0	260.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0601.0	0601.0	1.0	33.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0604.0	0604.0	U	23.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0915.0	0916.0	3.0	99.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0915.0	0916.0	2.0	73.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0915.0	0916.0	1.0	30.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1344.0	1345.0	6.0	750.0			QL=4 ST=2 TYP=3
	2695	SGMR	48	C	1345.0	1346.0	7.0	140.0			QL=4 ST=2 TYP=8
03	2695	LEAR	8	S	0151.0	0151.0	1.0	40.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0151.0	0151.0	3.0	39.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0326.0	0326.0	U	39.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0941.0	0942.0	1.0	29.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0942.0	0942.0	U	29.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0944.0	0944.0	1.0	23.0			QL=2 ST=2 TYP=3
	2695	SVTO	8	S	1042.0	1043.0	1.0	27.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1822.0	1823.0	2.0	370.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	1822.0	1830.0	13.0	300.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1822.0	1830.0	14.0	170.0			QL=4 ST=3 TYP=8
	8800	SGMR	48	C	1822.0	1823.0	15.0	620.0			QL=4 ST=3 TYP=8
04	2695	PALE	8	S	2155.0	2156.0	2.0	320.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2155.0	2156.0	2.0	150.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2155.0	2155.0	1.0	63.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	2155.0	2156.0	1.0	180.0			QL=2 ST=2 TYP=3
05	2695	SGMR	49	GB	1427.0	1428.0	10.0	800.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1427.0	1428.0	10.0	760.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	1427.0	1428.0	13.0	760.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	1427.0	1428.0	11.0	770.0			QL=4 ST=2 TYP=6
	2695	PALE	8	S	1905.0	1906.0	2.0	70.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1905.0	1906.0	2.0	240.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1905.0	1906.0	2.0	240.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1906.0	1906.0	1.0	68.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2223.0	2226.0	7.0	73.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2228.0	2228.0	U	24.0			QL=4 ST=2 TYP=3
06	8800	LEAR	8	S	0344.0	0344.0	1.0	53.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	0344.0	0344.0	1.0	130.0			QL=2 ST=2 TYP=3
	2695	PALE	8	S	0344.0	0344.0	1.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0728.0	0728.0	1.0	68.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0728.0	0728.0	U	50.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1320.0	1320.0	3.0	70.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1320.0	1320.0	1.0	53.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1320.0	1320.0	1.0	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1320.0	1320.0	1.0	57.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2055.0	2055.0	U	34.0			QL=4 ST=2 TYP=3
07	2695	LEAR	8	S	0106.0	0107.0	1.0	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0106.0	0106.0	U	37.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0133.0	0133.0	3.0	93.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0620.0	0620.0	1.0	73.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0620.0	0620.0	2.0	92.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1527.0	1529.0	8.0	160.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1528.0	1529.0	6.0	180.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1528.0	1529.0	3.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1529.0	1529.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1540.0	1542.0	3.0	41.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1541.0	1541.0	1.0	34.0			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

SEPTEMBER 2001

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Mean	Int	Remarks
08	8800	LEAR	4	S/F	0439.0	0441.0	7.0	58.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0452.0	0453.0	3.0	37.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0707.0	0707.0	U	30.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0707.0	0707.0	U	40.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0707.0	0707.0	U	32.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1643.0	1644.0	3.0	480.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1643.0	1644.0	3.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1643.0	1644.0	2.0	450.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	1643.0	1644.0	5.0	120.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	1644.0	1644.0	4.0	100.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	1644.0	1644.0	1.0	280.0			QL=2 ST=2 TYP=3
	8800	LEAR	4	S/F	2348.0	2349.0	4.0	260.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2349.0	2349.0	1.0	39.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2349.0	2349.0	1.0	39.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2349.0	2349.0	2.0	240.0			QL=4 ST=2 TYP=3
09	8800	LEAR	8	S	0219.0	0221.0	2.0	25.0			QL=4 ST=2 TYP=3
	8800	LEAR	20	GRF	0223.0	0230.0	8.0	44.0			QL=4 ST=2 TYP=2
	8800	LEAR	8	S	0233.0	0234.0	2.0	29.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0236.0	0238.0	4.0	51.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0236.0	0239.0	4.0	65.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0238.0	0238.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0652.0	0652.0	1.0	25.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0801.0	0802.0	3.0	80.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0801.0	0803.0	6.0	450.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0801.0	0802.0	3.0	74.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0801.0	0803.0	6.0	440.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0959.0	1000.0	2.0	47.0			QL=4 ST=3 TYP=3
	2695	SGMR	48	C	1511.0	1512.0	8.0	340.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	1511.0	1512.0	7.0	300.0			QL=4 ST=2 TYP=3
	8800	SGMR	49	GB	1512.0	1516.0	8.0	820.0			QL=4 ST=2 TYP=6
	8800	SVTO	48	C	1512.0	1516.0	9.0	860.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1522.0	1525.0	7.0	120.0			QL=4 ST=2 TYP=8
	8800	SGMR	8	S	1656.0	1657.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1839.0	1840.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1840.0	1840.0	U	36.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2043.0	2044.0	2.0	490.0			QL=4 ST=2 TYP=3
	2695	PALE	49	GB	2043.0	2044.0	3.0	510.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	2043.0	2044.0	3.0	1000.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	2043.0	2043.0	3.0	460.0			QL=4 ST=2 TYP=3
10	8800	LEAR	8	S	0313.0	0313.0	1.0	27.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0513.0	0513.0	4.0	120.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0513.0	0515.0	3.0	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0513.0	0515.0	3.0	170.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0513.0	0513.0	3.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0541.0	0541.0	1.0	26.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0541.0	0542.0	2.0	61.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0541.0	0542.0	2.0	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0541.0	0541.0	1.0	46.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0820.0	0821.0	5.0	54.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2346.0	2347.0	2.0	57.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2347.0	2347.0	1.0	41.0			QL=4 ST=2 TYP=3
11	8800	LEAR	4	S/F	0030.0	0031.0	5.0	190.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0031.0	0031.0	5.0	200.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0052.0	0053.0	1.0	32.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0052.0	0104.0	28.0	86.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0052.0	0100.0	28.0	110.0			QL=4 ST=2 TYP=8
	8800	PALE	20	GRF	0052.0	0100.0	34.0	120.0			QL=4 ST=2 TYP=2
	2695	SGMR	8	S	2034.0	2034.0	U	26.0			QL=4 ST=2 TYP=3
12	8800	LEAR	8	S	0442.0	0443.0	2.0	59.0			QL=4 ST=2 TYP=3
13	2695	LEAR	8	S	0709.0	0709.0	1.0	23.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0709.0	0709.0	1.0	48.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0710.0	0710.0	U	21.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1600.0	1600.0	1.0	82.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1600.0	1600.0	1.0	56.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

SEPTEMBER 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
13	2695	SVTO	8	S	1600.0	1600.0	1.0	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1600.0	1600.0	3.0	57.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1950.0	1951.0	1.0	53.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1950.0	1950.0	1.0	110.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1950.0	1950.0	1.0	71.0			QL=4 ST=2 TYP=3
14	2695	LEAR	4	S/F	0552.0	0554.0	4.0	69.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0552.0	0552.0	2.0	33.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0552.0	0552.0	7.0	49.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0552.0	0554.0	4.0	71.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1841.0	1842.0	2.0	250.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1842.0	1842.0	2.0	87.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1842.0	1842.0	U	49.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	2144.0	2145.0	5.0	920.0			QL=4 ST=3 TYP=6
	8800	SGMR	48	C	2144.0	2145.0	5.0	520.0			QL=4 ST=3 TYP=8
15	8800	LEAR	8	S	0052.0	0053.0	2.0	55.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1106.0	1108.0	13.0	230.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1107.0	1109.0	4.0	130.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1119.0	1121.0	13.0	99.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1120.0	1122.0	9.0	61.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1132.0	1134.0	7.0	60.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1132.0	1134.0	7.0	99.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	1546.0	1549.0	10.0	130.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1547.0	1549.0	5.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1548.0	1549.0	5.0	51.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1559.0	1559.0	U	23.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1631.0	1631.0	1.0	39.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1631.0	1631.0	1.0	24.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2028.0	2030.0	2.0	60.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2029.0	2030.0	1.0	60.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2029.0	2030.0	1.0	36.0			QL=4 ST=2 TYP=3
16	8800	LEAR	20	GRF	0347.0	0353.0	56.0	100.0			QL=4 ST=2 TYP=2
	2695	LEAR	8	S	0349.0	0349.0	1.0	41.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0617.0	0617.0	2.0	62.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0741.0	0743.0	4.0	130.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0742.0	0743.0	3.0	140.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0742.0	0743.0	2.0	160.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0742.0	0743.0	2.0	190.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1345.0	1350.0	7.0	120.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1345.0	1350.0	7.0	110.0			QL=4 ST=3 TYP=3
	8800	SGMR	4	S/F	1346.0	1350.0	7.0	75.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1357.0	1358.0	2.0	29.0			QL=4 ST=3 TYP=3
	2695	SGMR	4	S/F	1839.0	1841.0	5.0	120.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1840.0	1840.0	3.0	120.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1840.0	1842.0	5.0	77.0			QL=4 ST=2 TYP=3
17	2695	SVTO	8	S	0613.0	0613.0	U	27.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0613.0	0613.0	U	53.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0648.0	0648.0	1.0	49.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0648.0	0648.0	1.0	55.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0648.0	0648.0	1.0	29.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0819.0	0821.0	8.0	460.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0819.0	0821.0	7.0	420.0			QL=4 ST=3 TYP=3
	8800	LEAR	49	GB	0820.0	0821.0	19.0	510.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	0820.0	0821.0	15.0	570.0			QL=4 ST=3 TYP=6
	2695	SGMR	4	S/F	1548.0	1549.0	4.0	380.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1548.0	1548.0	4.0	790.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	1548.0	1548.0	7.0	950.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1548.0	1549.0	8.0	390.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2104.0	2105.0	1.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2104.0	2105.0	2.0	160.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2104.0	2105.0	1.0	120.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2104.0	2105.0	1.0	150.0			QL=4 ST=2 TYP=3
18	2695	LEAR	8	S	0006.0	0006.0	2.0	230.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0006.0	0006.0	2.0	140.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0006.0	0006.0	2.0	230.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

SEPTEMBER 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	8800	PALE	8	S	0006.0	0006.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0428.0	0428.0	3.0	33.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0428.0	0428.0	1.0	35.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0438.0	0439.0	3.0	62.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0438.0	0439.0	3.0	85.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1533.0	1538.0	7.0	99.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1533.0	1538.0	7.0	70.0			QL=4 ST=3 TYP=3
	8800	SVTO	4	S/F	1533.0	1537.0	6.0	51.0			QL=4 ST=3 TYP=3
	2695	SVTO	8	S	1534.0	1534.0	1.0	35.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1537.0	1537.0	2.0	65.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1537.0	1537.0	1.0	36.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1550.0	1550.0	U	32.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1705.0	1705.0	1.0	95.0			QL=4 ST=2 TYP=3
20	8800	LEAR	8	S	0506.0	0506.0	U	58.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0506.0	0506.0	U	42.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0506.0	0506.0	1.0	53.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0506.0	0506.0	U	34.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1815.0	1815.0	1.0	97.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1815.0	1815.0	4.0	98.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1815.0	1815.0	10.0	210.0			QL=4 ST=2 TYP=3
21	2695	LEAR	8	S	0644.0	0645.0	1.0	25.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0658.0	0659.0	1.0	49.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0658.0	0659.0	3.0	38.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0658.0	0659.0	1.0	23.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0658.0	0659.0	2.0	52.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0959.0	0959.0	1.0	33.0			QL=4 ST=2 TYP=3
22	8800	SVTO	48	C	0640.0	0643.0	4.0	73.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0640.0	0641.0	11.0	92.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0643.0	0643.0	U	32.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0643.0	0643.0	U	31.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1648.0	1651.0	6.0	67.0			QL=4 ST=2 TYP=3
23	2695	LEAR	8	S	0103.0	0104.0	1.0	51.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1134.0	1135.0	4.0	79.0			QL=4 ST=2 TYP=3
24	8800	SVTO	8	S	0547.0	0547.0	U	38.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0854.0	0855.0	4.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0854.0	0855.0	4.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0933.0	1030.0	230.0	23000.0			QL=4 ST=3 TYP=6
	2695	LEAR	4	S/F	0935.0E	0945.0	10.0D	29.0			QL=4 ST=2 TYP=3
	2695	SVTO	49	GB	0943.0	1034.0	128.0	7500.0			QL=4 ST=3 TYP=6
	2695	SGMR	48	C	1055.0	1056.0	32.0	1800.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1134.0	1134.0	23.0	120.0			QL=4 ST=3 TYP=3
	8800	SGMR	48	C	1134.0	1136.0	29.0	110.0			QL=4 ST=3 TYP=8
	8800	SGMR	4	S/F	1303.0	1308.0	8.0	73.0			QL=4 ST=2 TYP=3
25	8800	LEAR	4	S/F	0149.0	0151.0	5.0	73.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0150.0	0151.0	2.0	53.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0150.0	0151.0	2.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0425.0	0434.0	57.0	770.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0433.0	0434.0	11.0	190.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1019.0	1022.0	821.0	97.0			QL=4 ST=1 TYP=3
	8800	SVTO	48	C	1020.0	1022.0	12.0	97.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	1020.0	1022.0	820.0	48.0			QL=4 ST=1 TYP=3
	2695	SVTO	46	C	1027.0	1029.0	2.0	38.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	1712.0	1713.0	2.0	260.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1713.0	1713.0	1.0	71.0			QL=4 ST=2 TYP=3
26	8800	PALE	20	GRF	0105.0	0114.0	12.0	69.0			QL=4 ST=3 TYP=2
	8800	LEAR	4	S/F	0253.0	0256.0	6.0	120.0			QL=4 ST=3 TYP=3
	2695	LEAR	4	S/F	0253.0	0256.0	4.0	74.0			QL=4 ST=3 TYP=3
	2695	LEAR	8	S	0254.0	0255.0	2.0	74.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0254.0	0256.0	3.0	130.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0254.0	0255.0	2.0	81.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0255.0	0256.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0300.0	0302.0	6.0	40.0			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

SEPTEMBER 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	8800	LEAR	4	S/F	0301.0	0302.0	3.0	22.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0301.0	0302.0	5.0	48.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0301.0	0302.0	4.0	74.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0718.0	0718.0	U	27.0			QL=4 ST=2 TYP=3
27	2695	LEAR	8	S	0423.0	0424.0	2.0	42.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0424.0	0424.0	U	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0802.0	0802.0	1.0	50.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0802.0	0802.0	1.0	40.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0803.0	0803.0	U	27.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0803.0	0803.0	1.0	51.0			QL=4 ST=2 TYP=3
28	8800	LEAR	4	S/F	0201.0	0203.0	4.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0203.0	0203.0	U	83.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0811.0	0819.0	67.0	180.0			QL=4 ST=2 TYP=3
	2695	SVTO	20	GRF	0812.0	0819.0	141.0	150.0			QL=4 ST=2 TYP=2
	8800	LEAR	20	GRF	0813.0	0835.0	62.0	89.0			QL=4 ST=2 TYP=2
	8800	SVTO	20	GRF	0813.0	0951.0	140.0	140.0			QL=4 ST=2 TYP=2
	8800	LEAR	48	C	0937.0E	0951.0	27.0D	120.0			QL=2 ST=2 TYP=8
	2695	LEAR	48	C	0941.0E	1002.0	23.0D	240.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	2110.0	2110.0	1.0	50.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2229.0	2229.0	1.0	28.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	2229.0	2229.0	1.0	24.0			QL=2 ST=2 TYP=3
30	2695	PALE	8	S	1648.0	1649.0	2.0	65.0			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.