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

AUGUST 2002

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	2695	LEAR	4	S/F	0030.0	0032.0	7.0	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0031.0	0033.0	4.0	36.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	0031.0	0033.0	5.0	130.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0032.0	0034.0	4.0	60.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	0623.0	0625.0	3.0	42.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0624.0	0625.0	2.0	44.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0625.0	0626.0	1.0	26.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0741.0	0741.0	1.0	100.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0741.0	0741.0	2.0	46.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0741.0	0742.0	3.0	47.0			QL=4 ST=3 TYP=3
	8800	SVTO	4	S/F	0741.0	0742.0	5.0	88.0			QL=4 ST=3 TYP=3
	8800	LEAR	8	S	0850.0	0850.0	U	55.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0850.0	0850.0	2.0	56.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1122.0	1122.0	U	21.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1705.0	1706.0	6.0	220.0			QL=4 ST=3 TYP=3
	8800	SVTO	8	S	1705.0	1706.0	1.0	170.0			QL=4 ST=3 TYP=3
	2695	PALE	4	S/F	1706.0	1706.0	3.0	270.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1706.0	1706.0	U	250.0			QL=4 ST=2 TYP=3
02	8800	LEAR	8	S	0619.0	0620.0	2.0	180.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0620.0	0620.0	U	29.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0620.0	0620.0	1.0	170.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0908.0	0909.0	2.0	52.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0909.0	0909.0	U	43.0			QL=2 ST=2 TYP=3
03	8800	SGMR	48	C	1300.0	1302.0	7.0	450.0			QL=4 ST=2 TYP=8
	2695	SGMR	46	C	1301.0	1302.0	6.0	29.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1903.0	1906.0	5.0	540.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1904.0	1907.0	4.0	270.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1904.0	1904.0	3.0	85.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	1905.0	1905.0	2.0	80.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	2125.0	2126.0	1.0	130.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2125.0	2125.0	U	91.0			QL=4 ST=2 TYP=3
04	8800	SVTO	8	S	0446.0	0446.0	2.0	39.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0907.0	0912.0	14.0	1300.0			QL=4 ST=2 TYP=8
	8800	SVTO	49	GB	0907.0	0913.0	83.0	1100.0			QL=4 ST=2 TYP=6
	2695	LEAR	4	S/F	0909.0	0913.0	14.0	930.0			QL=4 ST=2 TYP=3
	2695	SVTO	49	GB	0909.0	0913.0	29.0	710.0			QL=4 ST=2 TYP=6
	2695	LEAR	8	S	0933.0	0933.0	U	51.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1453.0	1457.0	6.0	28.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1453.0	1457.0	6.0	51.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1456.0	1457.0	1.0	58.0			QL=4 ST=2 TYP=3
06	2695	SGMR	4	S/F	1255.0	1256.0	4.0	190.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1256.0	1256.0	1.0	37.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1256.0	1257.0	2.0	33.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1256.0	1257.0	3.0	150.0			QL=4 ST=2 TYP=3
11	8800	SGMR	4	S/F	1140.0	1140.0	3.0	210.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1140.0	1141.0	4.0	210.0			QL=4 ST=2 TYP=3
12	8800	LEAR	4	S/F	0216.0	0217.0	3.0	92.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0217.0	0217.0	U	86.0			QL=4 ST=2 TYP=3
13	8800	LEAR	48	C	0244.0	0247.0	9.0	79.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0707.0	0707.0	1.0	53.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0707.0	0708.0	3.0	63.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0924.0	0924.0	1.0	56.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1314.0	1314.0	1.0	88.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1315.0	1315.0	2.0	84.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1413.0	1414.0	3.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1414.0	1414.0	3.0	130.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1505.0	1505.0	1.0	40.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1856.0	1859.0	3.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1856.0	1859.0	20.0	140.0			QL=4 ST=2 TYP=3
14	2695	LEAR	48	C	0144.0	0202.0	1336.0	140.0			QL=4 ST=1 TYP=8
	2695	LEAR	48	C	0146.0	0202.0	62.0	140.0			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

AUGUST 2002

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
14	2695	PALE	48	C	0149.0	0202.0	29.0	140.0			QL=4 ST=2 TYP=8
	8800	LEAR	4	S/F	0200.0	0202.0	1320.0	30.0			QL=4 ST=1 TYP=3
	8800	PALE	4	S/F	0201.0	0209.0	9.0	46.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0232.0	0235.0	14.0	70.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0232.0	0235.0	14.0	170.0			QL=4 ST=2 TYP=3
	8800	LEAR	46	C	0305.0	0307.0	2.0	34.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0621.0	0621.0	U	30.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0622.0	0622.0	U	27.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0720.0	0720.0	1.0	84.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0721.0	0721.0	U	80.0			QL=4 ST=3 TYP=3
	8800	SVTO	8	S	0838.0	0839.0	1.0	39.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0900.0	0904.0	9.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0904.0	0904.0	U	51.0			QL=4 ST=2 TYP=8
	8800	SVTO	8	S	1011.0	1011.0	1.0	55.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1216.0	1217.0	1.0	52.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1217.0	1217.0	1.0	51.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1417.0	1417.0	1.0	39.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1418.0	1418.0	U	31.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1906.0	1906.0	3.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2137.0	2138.0	1.0	53.0			QL=4 ST=2 TYP=3
15	8800	LEAR	8	S	0111.0	0111.0	1.0	67.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0603.0	0604.0	3.0	130.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0604.0	0604.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0604.0	0604.0	2.0	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0604.0	0605.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0754.0	0759.0	6.0	48.0			QL=4 ST=2 TYP=3
16	2695	SVTO	4	S/F	0555.0	0556.0	6.0	46.0			QL=4 ST=2 TYP=3
	2695	LEAR	46	C	0556.0	0556.0	U	46.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0607.0	0629.0	31.0	80.0			QL=2 ST=2 TYP=8
	8800	LEAR	46	C	0613.0	0621.0	12.0	46.0			QL=4 ST=2 TYP=8
	8800	SVTO	46	C	0615.0	0620.0	26.0	38.0			QL=4 ST=2 TYP=8
	2695	LEAR	46	C	0616.0	0621.0	11.0	47.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1132.0	1135.0	11.0	240.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1132.0	1213.0	176.0	1900.0			QL=4 ST=3 TYP=8
	2695	SGMR	4	S/F	1133.0	1136.0	10.0	89.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	1134.0	1214.0	172.0	1600.0			QL=4 ST=3 TYP=8
	8800	SGMR	8	S	1807.0	1807.0	1.0	56.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2210.0	2210.0	1.0	37.0			QL=4 ST=2 TYP=3
17	8800	LEAR	8	S	0503.0	0503.0	U	76.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0503.0	0503.0	U	64.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0632.0	0633.0	7.0	44.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0632.0	0636.0	5.0	28.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0856.0	0856.0	U	71.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0856.0	0856.0	U	36.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0905.0	0907.0	4.0	68.0			QL=4 ST=2 TYP=8
	8800	SGMR	4	S/F	2045.0	2048.0	14.0	360.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2047.0	2049.0	3.0	180.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2308.0	2308.0	U	51.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2354.0	2354.0	U	43.0			QL=4 ST=3 TYP=3
	8800	PALE	8	S	2354.0	2354.0	U	63.0			QL=4 ST=2 TYP=3
18	8800	LEAR	4	S/F	0143.0	0145.0	6.0	65.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0144.0	0145.0	5.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0328.0	0332.0	7.0	46.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0730.0	0730.0	8.0	590.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0730.0	0730.0	13.0	620.0			QL=4 ST=2 TYP=6
	8800	SVTO	48	C	0949.0	0958.0	29.0	280.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	1002.0	1003.0	11.0	61.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1206.0	1207.0	2.0	78.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1206.0	1206.0	3.0	76.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1432.0	1436.0	17.0	110.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1436.0	1437.0	2.0	59.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2020.0	2020.0	5.0	130.0			QL=4 ST=2 TYP=3
	8800	SGMR	49	GB	2113.0	2121.0	21.0	2600.0			QL=4 ST=2 TYP=6
	2695	SGMR	48	C	2114.0	2121.0	16.0	680.0			QL=4 ST=2 TYP=8
	8800	PALE	49	GB	2115.0	2121.0	12.0	1200.0			QL=4 ST=2 TYP=6

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

AUGUST 2002

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	2695	PALE	48	C	2115.0	2121.0	13.0	610.0			QL=4 ST=2 TYP=8
	8800	PALE	4	S/F	2215.0	2230.0	17.0	84.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2247.0	2247.0	1.0	260.0			QL=4 ST=2 TYP=3
19	8800	SVTO	49	GB	1030.0	1032.0	7.0	880.0			QL=4 ST=2 TYP=6
	2695	SVTO	8	S	1031.0	1032.0	1.0	77.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1239.0	1240.0	1.0	52.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1429.0	1442.0	29.0	140.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1429.0	1442.0	24.0	120.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	1430.0	1432.0	17.0	52.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1431.0	1432.0	8.0	48.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2100.0	2101.0	1.0	240.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2100.0	2101.0	1.0	220.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2101.0	2101.0	U	21.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2241.0	2241.0	U	46.0			QL=4 ST=2 TYP=3
20	8800	LEAR	8	S	0139.0	0140.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0139.0	0139.0	U	58.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0139.0	0140.0	2.0	95.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0145.0	0146.0	1.0	65.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0149.0	0149.0	U	54.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0208.0	0209.0	3.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0208.0	0209.0	2.0	130.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	0208.0	0209.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0208.0	0209.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0255.0	0257.0	3.0	72.0			QL=4 ST=2 TYP=8
	8800	LEAR	49	GB	0824.0	0825.0	3.0	1200.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	0824.0	0825.0	7.0	950.0			QL=4 ST=2 TYP=6
	2695	LEAR	8	S	0825.0	0825.0	1.0	160.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0825.0	0825.0	1.0	160.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1028.0	1029.0	3.0	410.0			QL=2 ST=2 TYP=3
	8800	SVTO	4	S/F	1028.0	1029.0	3.0	320.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1427.0	1429.0	4.0	42.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1600.0	1601.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1601.0	1601.0	U	150.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1737.0	1737.0	U	70.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1758.0	1758.0	U	70.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1758.0	1758.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1923.0	1923.0	U	53.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2113.0	2113.0	1.0	240.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2113.0	2113.0	1.0	230.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2118.0	2119.0	3.0	150.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2118.0	2119.0	3.0	150.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2209.0	2209.0	U	69.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2224.0	2224.0	U	52.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2227.0	2227.0	3.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2245.0	2245.0	U	100.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2307.0	2310.0	4.0	63.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2314.0	2315.0	2.0	150.0			QL=4 ST=2 TYP=3
21	8800	LEAR	48	C	0138.0	0138.0	4.0	310.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0138.0	0139.0	2.0	160.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	0138.0	0138.0	4.0	420.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	0138.0	0139.0	2.0	160.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0531.0	0531.0	2.0	450.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0531.0	0531.0	3.0	1700.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0531.0	0531.0	9.0	450.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0531.0	0531.0	6.0	1800.0			QL=4 ST=2 TYP=6
	2695	PALE	8	S	1722.0	1722.0	U	43.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1722.0	1722.0	U	53.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1905.0	1905.0	U	48.0			QL=4 ST=2 TYP=3
22	2695	LEAR	48	C	0150.0	0152.0	8.0	260.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0150.0	0152.0	9.0	270.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0151.0	0156.0	7.0	160.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0151.0	0156.0	15.0	230.0			QL=4 ST=2 TYP=8
	8800	SVTO	8	S	0804.0	0804.0	1.0	56.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1409.0	1409.0	U	40.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1409.0	1409.0	U	33.0			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

AUGUST 2002

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	8800	SGMR	48	C	1618.0	1622.0	9.0	120.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1618.0E	1622.0	8.0D	96.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1619.0	1625.0	6.0	40.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1655.0	1655.0	2.0	70.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1747.0	1747.0	2.0	51.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1754.0	1756.0	6.0	60.0			QL=4 ST=2 TYP=3
23	8800	LEAR	8	S	0420.0	0420.0	U	54.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0534.0	0534.0	U	27.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0542.0	0542.0	U	51.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0542.0	0548.0	7.0	42.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0544.0	0548.0	6.0	64.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0548.0	0548.0	1.0	74.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0548.0	0548.0	1.0	58.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	0758.0	0845.0	116.0	120.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0830.0	0833.0	7.0	69.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0830.0	0846.0	84.0	100.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0842.0	0845.0	8.0	97.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0843.0	0849.0	7.0	61.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1304.0	1304.0	4.0	50.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1304.0	1304.0	656.0	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1425.0	1425.0	U	68.0			QL=4 ST=3 TYP=3
	8800	SVTO	8	S	1425.0	1425.0	U	65.0			QL=4 ST=2 TYP=3
24	2695	PALE	48	C	0050.0	0102.0	77.0	1200.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0051.0	0104.0	79.0	9700.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0051.0	0104.0	88.0	13000.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0056.0	0114.0	55.0	790.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	0307.0	0307.0	U	53.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0307.0	0307.0	8.0	41.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0544.0	0545.0	2.0	87.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0545.0	0545.0	1.0	73.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1108.0	1114.0	11.0	200.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1114.0	1115.0	2.0	150.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1123.0	1124.0	4.0	290.0			QL=4 ST=2 TYP=3
25	2695	SGMR	8	S	1845.0	1846.0	1.0	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1846.0	1846.0	U	40.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2347.0	2347.0	U	66.0			QL=4 ST=2 TYP=3
27	2695	SVTO	8	S	0829.0	0829.0	U	63.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1228.0	1228.0	U	67.0			QL=4 ST=2 TYP=3
28	8800	SVTO	8	S	1058.0	1059.0	2.0	270.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1059.0	1059.0	1.0	280.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1059.0	1059.0	U	48.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1550.0	1550.0	1.0	64.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1648.0	1648.0	U	54.0			QL=4 ST=2 TYP=3
	2695	PALE	49	GB	1854.0	1855.0	5.0	700.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	1854.0	1855.0	2.0	850.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1854.0	1854.0	4.0	1300.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1854.0	1854.0	6.0	930.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	2142.0	2143.0	1.0	70.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2142.0	2143.0	3.0	200.0			QL=4 ST=2 TYP=3
29	8800	LEAR	8	S	0250.0	0251.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0251.0	0251.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	1247.0	1249.0	7.0	720.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1248.0	1249.0	4.0	510.0			QL=4 ST=2 TYP=6
	2695	SGMR	8	S	1420.0	1421.0	1.0	66.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1421.0	1421.0	U	58.0			QL=4 ST=2 TYP=3
30	2695	SVTO	49	GB	1327.0	1328.0	7.0	780.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	1327.0	1328.0	633.0	1200.0			QL=4 ST=1 TYP=6
	8800	SGMR	8	S	1437.0	1437.0	2.0	82.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1437.0E	1437.0	2.0D	43.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1439.0	1439.0	1.0	63.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1439.0	1439.0	1.0	45.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

AUGUST 2002

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
31	2695	LEAR	8	S	0342.0	0343.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0342.0	0343.0	2.0	150.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1001.0	1001.0	U	120.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1352.0	1353.0	1.0	83.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1352.0	1353.0	1.0	78.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1353.0	1353.0	U	43.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1353.0	1353.0	U	40.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1422.0	1422.0	1.0	200.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1422.0	1422.0	4.0	210.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1422.0	1422.0	1.0	190.0			QL=4 ST=3 TYP=3
	2695	SVTO	4	S/F	1422.0	1423.0	4.0	180.0			QL=4 ST=3 TYP=3
	2695	SGMR	8	S	1521.0	1521.0	U	33.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1521.0	1521.0	U	21.0			QL=4 ST=3 TYP=3
	2695	SVTO	8	S	1550.0	1550.0	U	21.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1615.0	1615.0	1.0	30.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1615.0	1615.0	1.0	72.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1626.0	1627.0	2.0	48.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1736.0	1736.0	U	43.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1927.0	1927.0	U	30.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1951.0	1952.0	2.0	210.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1952.0	1952.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1952.0	1952.0	1.0	170.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1952.0	1952.0	3.0	120.0			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.