SOLAR RADIO EMISSION
Selected Fixed Frequency Events

NOVEMBER 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	8800	LEAR	8	S	0843.0	0843.0	2.0	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0843.0	0843.0	8.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1150.0	1150.0	U	53.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1744.0	1750.0	6.0	69.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2228.0	2232.0	16.0	91.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	2228.0	2230.0	14.0	560.0			QL=4 ST=2 TYP=6
	8800	PALE	48	C	2229.0	2230.0	10.0	510.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	2230.0	2232.0	4.0	95.0			QL=4 ST=2 TYP=3
02	8800	LEAR	4	S/F	0859.0	0900.0	5.0	440.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0859.0	0900.0	5.0	450.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0900.0	0900.0	1.0	65.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0900.0	0900.0	2.0	84.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1233.0	1247.0	687.0	210.0			QL=4 ST=3 TYP=8
	8800	SVTO	4	S/F	1237.0	1238.0	5.0	100.0			QL=2 ST=2 TYP=3
	2695	SVTO	8	S	1238.0	1238.0	1.0	22.0			QL=2 ST=2 TYP=3
	2695	SVTO	8	S	1246.0	1246.0	1.0	24.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	1246.0	1247.0	1.0	65.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	1439.0	1439.0	1.0	63.0			QL=2 ST=2 TYP=3
	8800	SGMR	4	S/F	1539.0	1544.0	10.0	140.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	1703.0	1717.0	55.0	10000.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1703.0	1719.0	66.0	17000.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1704.0	1721.0	74.0	20000.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1706.0	1717.0	75.0	7700.0			QL=4 ST=2 TYP=8
03	8800	PALE	48	C	0101.0	0121.0	46.0	520.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0102.0	0121.0	35.0	500.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	0103.0	0121.0	31.0	320.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0118.0	0121.0	10.0	240.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0501.0	0501.0	1.0	54.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	0946.0	1006.0	89.0	15000.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0947.0	1006.0	99.0	4400.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0948.0	1027.0	43.0	6100.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0948.0	1007.0	43.0	19000.0			QL=4 ST=2 TYP=8
	8800	SGMR	49	GB	1529.0	1531.0	12.0	1000.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1530.0	1531.0	11.0	210.0			QL=4 ST=2 TYP=3
04	8800	LEAR	48	C	0545.0	0549.0	14.0	1100.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	0546.0	0548.0	3.0	460.0			QL=2 ST=2 TYP=3
	2695	LEAR	4	S/F	0549.0	0553.0	5.0	59.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	0552.0	0553.0	6.0	700.0			QL=2 ST=2 TYP=8
	8800	SGMR	4	S/F	1344.0	1345.0	8.0	310.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1929.0	1929.0	2.0	60.0			QL=4 ST=2 TYP=3
	2695	SGMR	48	C	1931.0	1941.0	12.0	7500.0			QL=4 ST=2 TYP=8
	8800	SGMR	49	GB	1931.0	1942.0	12.0	13000.0			QL=4 ST=2 TYP=6
	8800	SGMR	48	C	1932.0E	1942.0	51.0D	13000.0			QL=4 ST=3 TYP=8
	2695	SGMR	48	C	1933.0E	1941.0	49.0D	7500.0			QL=4 ST=3 TYP=8
	8800	PALE	48	C	1933.0	1946.0	85.0	30000.0			QL=4 ST=2 TYP=8
	2695	PALE	49	GB	1933.0	1946.0	103.0	20000.0			QL=4 ST=2 TYP=6
05	8800	PALE	8	S	0240.0	0240.0	U	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1050.0E	1050.0U	U	140.0			QL=4 ST=2 TYP=3
11	2695	SGMR	48	C	1330.0	1345.0	49.0	1100.0			QL=4 ST=2 TYP=8
	8800	SGMR	49	GB	1331.0	1339.0	48.0	1600.0			QL=4 ST=2 TYP=6
	2695	SVTO	48	C	1331.0	1345.0	51.0	1300.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1332.0	1339.0	34.0	1200.0			QL=4 ST=2 TYP=8
12	2695	SGMR	4	S/F	1759.0	1810.0	30.0	110.0			QL=4 ST=2 TYP=3
	8800	SGMR	20	GRF	1807.0	1819.0	22.0	64.0			QL=4 ST=2 TYP=2
	2695	PALE	48	C	1809.0	1820.0	22.0	110.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	1849.0	1849.0	U	55.0			QL=4 ST=2 TYP=3
13	2695	LEAR	8	S	0457.0	0458.0	2.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0457.0	0458.0	10.0	240.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	0907.0	0915.0	31.0	130.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0910.0	0915.0	10.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0910.0	0933.0	28.0	49.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0916.0	0916.0	1.0	51.0			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

NOVEMBER 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
14	2695	SVTO	8	S	1254.0	1254.0	U	29.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1254.0	1254.0	U	35.0			QL=4 ST=2 TYP=3
16	8800	SVTO	8	S	0752.0	0752.0	1.0	34.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1012.0	1019.0	9.0	95.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1017.0	1020.0	5.0	51.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1034.0	1038.0	7.0	50.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1034.0	1035.0	7.0	170.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1812.0	1813.0	3.0	73.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1813.0	1813.0	U	56.0			QL=4 ST=2 TYP=3
17	2695	LEAR	8	S	0132.0	0132.0	U	64.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0132.0	0132.0	U	61.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0132.0	0132.0	U	67.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0858.0	0901.0	17.0	2200.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0858.0	0901.0	14.0	650.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0858.0	0901.0	33.0	2100.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0858.0	0901.0	33.0	700.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0923.0	0923.0	U	60.0			QL=4 ST=2 TYP=3
18	8800	LEAR	8	S	0135.0	0136.0	1.0	160.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0135.0	0136.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0136.0	0136.0	1.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	0136.0	0136.0	2.0	520.0			QL=4 ST=2 TYP=6
	8800	LEAR	8	S	0528.0	0528.0	U	54.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0728.0	0825.0	84.0	1900.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0728.0	0742.0	84.0	1200.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0740.0	0825.0	60.0	1400.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0741.0	0742.0	29.0	950.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0938.0	0956.0	26.0	220.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0939.0	0956.0	25.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0943.0	0955.0	34.0	160.0			QL=4 ST=2 TYP=3
	2695	SVTO	20	GRF	0945.0	0956.0	28.0	98.0			QL=4 ST=2 TYP=2
19	2695	LEAR	8	S	0359.0	0400.0	2.0	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0359.0	0400.0	3.0	320.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0802.0	0802.0	4.0	25.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1456.0	1457.0	5.0	160.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1456.0	1457.0	2.0	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1456.0	1456.0	U	30.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1459.0	1459.0	U	22.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1510.0	1511.0	2.0	73.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1510.0	1511.0	4.0	120.0			QL=4 ST=2 TYP=3
20	2695	LEAR	4	S/F	0151.0	0152.0	4.0	190.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0152.0	0153.0	4.0	160.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0726.0	0726.0	1.0	400.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0726.0	0726.0	1.0	990.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	0726.0	0726.0	4.0	480.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0726.0	0726.0	5.0	980.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	0736.0	0739.0	13.0	9700.0			QL=4 ST=2 TYP=6
	2695	LEAR	49	GB	0737.0	0739.0	9.0	7300.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	0737.0	0740.0	20.0	2100.0			QL=4 ST=2 TYP=6
	8800	LEAR	49	GB	0738.0	0740.0	15.0	2100.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	1926.0	1928.0	3.0	95.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1927.0	1928.0	1.0	57.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1927.0	1928.0	1.0	76.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	2346.0	2348.0	9.0	430.0			QL=4 ST=2 TYP=8
	8800	PALE	4	S/F	2346.0	2348.0	14.0	300.0			QL=4 ST=3 TYP=3
	2695	LEAR	49	GB	2347.0	2348.0	7.0	750.0			QL=4 ST=2 TYP=6
	2695	PALE	49	GB	2347.0	2348.0	13.0	740.0			QL=4 ST=3 TYP=6
21	8800	SGMR	49	GB	1651.0	1652.0	1.0	620.0			QL=4 ST=2 TYP=6
22	2695	PALE	8	S	2141.0	2142.0	2.0	83.0			QL=4 ST=2 TYP=3