SOLAR RADIO EMISSION
Selected Fixed Frequency Events

JANUARY 2005

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	49	GB	0026.0	0029.0	23.0	4000.0			QL=4 ST=2 TYP=6
	2695	LEAR	48	C	0027.0	0029.0	9.0	760.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0027.0	0030.0	10.0	870.0			QL=4 ST=2 TYP=8
	8800	PALE	49	GB	0027.0	0030.0	23.0	3800.0			QL=4 ST=2 TYP=6
02	2695	SGMR	8	S	1259.0	1259.0	1.0	56.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1259.0	1259.0	U	22.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1259.0	1259.0	2.0	73.0			QL=4 ST=2 TYP=3
04	2695	SVTO	8	S	1059.0	1100.0	1.0	53.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1102.0	1104.0	3.0	45.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1104.0	1105.0	5.0	23.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1117.0	1117.0	3.0	68.0			QL=4 ST=2 TYP=3
09	2695	SVTO	4	S/F	0838.0	0844.0	9.0	77.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0842.0	0844.0	5.0	66.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0843.0	0843.0	2.0	72.0			QL=4 ST=2 TYP=3
13	8800	SGMR	8	S	1632.0	1633.0	1.0	63.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1633.0	1633.0	U	21.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2246.0	2247.0	3.0	100.0			QL=4 ST=3 TYP=3
	8800	PALE	8	S	2247.0	2247.0	1.0	65.0			QL=4 ST=2 TYP=3
14	2695	LEAR	8	S	1017.0	1019.0	2.0	75.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	1018.0	1018.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1018.0E	1019.0U	2.0D	76.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1018.0E	1019.0U	10.0D	140.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1232.0	1237.0	8.0	67.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1237.0	1237.0	7.0	72.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	1237.0	1245.0	9.0	180.0			QL=2 ST=2 TYP=8
	8800	SGMR	4	S/F	1354.0	1358.0	12.0				QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1424.0	1424.0	U	95.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1603.0	1606.0	4.0	47.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1604.0	1605.0	2.0	79.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1608.0	1608.0	1.0	67.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2249.0	2254.0	7.0	94.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2325.0	2331.0	22.0	150.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2329.0	2331.0	4.0	100.0			QL=4 ST=2 TYP=3
15	8800	LEAR	4	S/F	0027.0	0028.0	6.0	63.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0028.0	0029.0	4.0	63.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0037.0	0040.0	40.0	510.0			QL=4 ST=2 TYP=8
	8800	PALE	49	GB	0039.0	0041.0	52.0	590.0			QL=4 ST=2 TYP=6
	2695	PALE	8	S	0042.0	0043.0	2.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0043.0	0043.0	U	97.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0420.0	0420.0	U	58.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0428.0	0430.0	10.0	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0552.0	0637.0	117.0	2400.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0552.0	0629.0	142.0	3000.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0634.0	0644.0U	173.0	3500.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0637.0	0642.0U	170.0	1900.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1413.0	1419.0	24.0	420.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1413.0	1419.0	23.0	460.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1414.0	1420.0	41.0	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1415.0	1419.0	27.0	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1705.0	1705.0	U	60.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1757.0	1757.0	U	57.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1851.0	1852.0	4.0	320.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1851.0	1852.0	7.0	360.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1947.0	1947.0	1.0	170.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1947.0	1947.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	2203.0	2248.0	178.0	17000.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	2224.0	2306.0	158.0	6400.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	2230.0	2305.0	122.0	5400.0			QL=4 ST=3 TYP=8
	8800	LEAR	48	C	2230.0	2248.0	147.0	21000.0			QL=4 ST=3 TYP=8
16	8800	SGMR	8	S	1637.0	1637.0	U	54.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1828.0	1828.0	1.0	160.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1828.0	1828.0	1.0	130.0			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

JANUARY 2005

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	2695	PALE	8	S	2159.0	2159.0	U	54.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	2159.0	2159.0	11.0	2800.0			QL=4 ST=2 TYP=6
17	8800	LEAR	48	C	0313.0	0313.0	8.0	310.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0313.0	0314.0	12.0	410.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0744.0	0926.0	237.0	16000.0			QL=4 ST=3 TYP=8
	8800	LEAR	49	GB	0755.0	0926.0	187.0	17000.0			QL=4 ST=3 TYP=6
	2695	LEAR	48	C	0804.0	0931.0	178.0	12000.0			QL=4 ST=3 TYP=8
	2695	SVTO	48	C	0804.0	0931.0	243.0	12000.0			QL=4 ST=3 TYP=8
18	8800	SVTO	4	S/F	1127.0	1127.0	9.0	67.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1543.0	1544.0	28.0	330.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1546.0	1547.0	4.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1858.0	1858.0	1.0	200.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1858.0	1858.0	1.0	200.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2118.0	2118.0	U	53.0			QL=4 ST=2 TYP=3
19	2695	LEAR	49	GB	0510.0	0511.0	1.0	3500.0			QL=4 ST=2 TYP=6
	8800	LEAR	8	S	0511.0	0511.0	1.0	76.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0726.0	0728.0	5.0	880.0			QL=4 ST=2 TYP=6
	8800	LEAR	48	C	0738.0	0825.0	197.0	17000.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0741.0	0944.0	194.0	5000.0			QL=4 ST=2 TYP=8
	8800	SVTO	49	GB	1033.0	1033.0U	69.0	1400.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	1033.0	1033.0U	193.0	2900.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1250.0	1251.0U	55.0	150.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1534.0E	1535.0U	1.0D	150.0			QL=4 ST=2 TYP=3
20	8800	LEAR	8	S	0324.0	0325.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0635.0	0647.0	91.0	62000.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0635.0	0656.0	125.0	8400.0			QL=4 ST=2 TYP=8
	8800	SVTO	49	GB	0638.0	0647.0	125.0	44000.0			QL=2 ST=2 TYP=6
	2695	SVTO	48	C	0639.0	0657.0	121.0	9000.0			QL=2 ST=2 TYP=8
	2695	LEAR	4	S/F	0934.0	0936.0	6.0	93.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0935.0	0937.0	3.0	76.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1610.0	1610.0	1.0	210.0			QL=4 ST=2 TYP=3
21	8800	LEAR	8	S	0020.0	0021.0	1.0	180.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0021.0	0021.0	U	98.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	1014.0	1014.0	1.0	270.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1014.0	1015.0	1.0	220.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1015.0	1015.0	U	51.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	1048.0	1052.0	12.0	120.0			QL=4 ST=2 TYP=8
	8800	SVTO	8	S	1151.0	1151.0	1.0	28.0			QL=4 ST=2 TYP=3
27	8800	SVTO	8	S	0756.0	0757.0	1.0	66.0			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.