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

OCTOBER 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	LEAR	8	S	0500.0	0500.0	U	50.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	0500.0	0500.0	U	43.0			QL=2 ST=2 TYP=3
	8800	SVTO	48	C	0509.0E	0511.0U	6.0D	130.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	0510.0E	0512.0U	5.0D	69.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2342.0	2344.0	4.0	170.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2343.0	2344.0	2.0	170.0			QL=4 ST=2 TYP=3
02	2695	SVTO	46	C	1125.0	1126.0	1.0	28.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	1125.0	1126.0	3.0	72.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1200.0	1201.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1200.0	1201.0	2.0	61.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1201.0	1201.0	U	100.0			QL=4 ST=2 TYP=3
03	2695	PALE	8	S	2118.0	2118.0	U	120.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2118.0	2118.0	U	110.0			QL=4 ST=2 TYP=3
06	2695	LEAR	4	S/F	0520.0	0522.0	3.0	35.0			QL=2 ST=2 TYP=3
	8800	LEAR	4	S/F	0520.0	0521.0	9.0	76.0			QL=2 ST=2 TYP=3
	2695	SVTO	46	C	0521.0	0522.0	1.0	24.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0525.0	0531.0	7.0	53.0			QL=4 ST=2 TYP=8
09	8800	SVTO	4	S/F	1055.0	1104.0	10.0	35.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1056.0	1101.0	7.0	110.0			QL=4 ST=2 TYP=3
12	8800	SVTO	46	C	0740.0	0740.0	U	30.0			QL=4 ST=2 TYP=8
	8800	SVTO	46	C	0823.0	0823.0	U	29.0			QL=4 ST=2 TYP=8
13	2695	LEAR	8	S	0521.0	0522.0	2.0	67.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0521.0	0523.0	4.0	61.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0521.0	0523.0	4.0	49.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2000.0	2001.0	2.0	110.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2001.0	2001.0	U	65.0			QL=4 ST=2 TYP=3
14	8800	SGMR	46	C	1925.0	1925.0	U	31.0			QL=4 ST=3 TYP=8
15	8800	LEAR	8	S	0548.0	0548.0	2.0	25.0			QL=4 ST=2 TYP=3
	8800	SVTO	46	C	0548.0	0548.0	U	28.0			QL=4 ST=2 TYP=8
16	2695	LEAR	8	S	0926.0	0926.0	1.0	30.0			QL=4 ST=2 TYP=3
17	2695	SVTO	46	C	1119.0	1120.0	2.0	43.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	1119.0	1120.0	4.0	150.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1155.0	1155.0	U	33.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1155.0	1155.0	U	43.0			QL=2 ST=2 TYP=3
	8800	SVTO	46	C	1155.0	1155.0	U	38.0			QL=4 ST=2 TYP=8
	2695	SVTO	46	C	1155.0	1155.0	U	24.0			QL=4 ST=2 TYP=8
19	8800	LEAR	48	C	0049.0	0100.0	108.0	990.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0049.0	0100.0	1391.0	890.0			QL=4 ST=1 TYP=8
	2695	LEAR	48	C	0050.0	0125.0	107.0	1400.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0050.0	0125.0	1390.0	1400.0			QL=4 ST=1 TYP=8
	8800	PALE	46	C	0146.0	0146.0	1.0	27.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	0205.0	0205.0	1.0	21.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0256.0	0257.0	3.0	40.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0256.0	0257.0	2.0	21.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0529.0	0530.0	6.0	35.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0655.0	0656.0	1.0	25.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0655.0	0657.0	9.0	65.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0655.0	0656.0	1.0	22.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0655.0	0657.0	11.0	51.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0938.0	0941.0	10.0	870.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0938.0	0939.0	18.0	440.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0938.0	0940.0	18.0	370.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0938.0	0941.0	22.0	760.0			QL=4 ST=2 TYP=8
	8800	SGMR	4	S/F	1221.0	1223.0	4.0	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1221.0	1223.0	3.0	110.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1222.0	1223.0	1.0	45.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1222.0	1223.0	1.0	32.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1615.0	1625.0	50.0	3600.0			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

OCTOBER 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
19	2695	SGMR	48	C	1622.0	1625.0	43.0	950.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1638.0	1644.0	42.0	720.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1646.0	1648.0	34.0	280.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1710.0	1710.0	13.0	56.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	2315.0	2320.0	14.0	110.0			QL=4 ST=3 TYP=3
	8800	PALE	4	S/F	2317.0	2320.0	10.0	300.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2318.0	2321.0	6.0	260.0			QL=4 ST=3 TYP=3
	2695	PALE	8	S	2327.0	2327.0	U	170.0			QL=4 ST=2 TYP=3
20	8800	SGMR	8	S	1216.0	1216.0	U	39.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1216.0	1216.0	1.0	37.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2145.0	2145.0	U	41.0			QL=4 ST=2 TYP=3
21	8800	LEAR	4	S/F	0005.0	0009.0	5.0	37.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0006.0	0009.0	4.0	43.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0436.0	0436.0	2.0	150.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0437.0	0437.0	U	6.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0512.0	0512.0	2.0	43.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0512.0	0516.0	6.0	83.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0755.0	0755.0	1.0	30.0			QL=4 ST=3 TYP=3
	8800	SVTO	4	S/F	1121.0	1123.0	16.0	260.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1122.0	1123.0	2.0	170.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1122.0	1123.0	4.0	100.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1123.0	1123.0	1.0	47.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1313.0	1313.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1313.0	1314.0	2.0	150.0			QL=4 ST=2 TYP=3
22	8800	LEAR	8	S	0034.0	0035.0	1.0	28.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0506.0	0507.0	1.0	26.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1429.0	1431.0	10.0	44.0			QL=4 ST=3 TYP=3
	8800	SVTO	48	C	1444.0	1457.0	42.0	330.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1445.0	1457.0	37.0	380.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1445.0	1457.0	37.0	280.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1445.0	1457.0	35.0	370.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1743.0	1751.0	26.0	2300.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1747.0	1750.0	13.0	740.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1747.0	1750.0	12.0	1800.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1747.0	1751.0	21.0	790.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	2100.0	2101.0	2.0	230.0			QL=4 ST=2 TYP=3
23	8800	LEAR	4	S/F	0014.0	0016.0	9.0	400.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0014.0	0016.0	11.0	420.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0015.0	0016.0	6.0	94.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0016.0	0016.0	1.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0215.0	0217.0	26.0	260.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0215.0	0217.0	20.0	220.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0217.0	0217.0	2.0	66.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	0217.0	0217.0	U	74.0			QL=4 ST=2 TYP=8
	8800	SVTO	8	S	1227.0	1228.0	2.0	89.0			QL=4 ST=3 TYP=3
	8800	SGMR	8	S	1228.0	1228.0	U	42.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1414.0	1415.0	2.0	74.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1415.0	1415.0	U	37.0			QL=4 ST=3 TYP=3
	8800	SGMR	8	S	1910.0	1910.0	U	62.0			QL=4 ST=2 TYP=3
24	8800	SVTO	8	S	1131.0	1131.0	1.0	54.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1708.0	1708.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2311.0	2311.0	U	80.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2320.0	2320.0	U	54.0			QL=4 ST=2 TYP=3
25	8800	LEAR	4	S/F	0000.0	0001.0	3.0	190.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0001.0	0001.0	1.0	190.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0430.0	0431.0	1.0	50.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0518.0	0518.0	1.0	120.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0626.0	0627.0	3.0	370.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	1442.0	1452.0	52.0	1500.0			QL=4 ST=3 TYP=6
	8800	SGMR	48	C	1442.0	1452.0	71.0	1400.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1443.0	1451.0	51.0	500.0			QL=4 ST=3 TYP=8
	2695	SGMR	48	C	1443.0	1451.0	70.0	540.0			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

OCTOBER 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	8	S	1000.0	1001.0	1.0	43.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1430.0	1430.0	U	63.0			QL=4 ST=1 TYP=3
	2695	SGMR	8	S	1430.0	1430.0	1.0	41.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1433.0	1434.0	3.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1433.0	1434.0	2.0	230.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1433.0	1434.0	12.0	250.0			QL=4 ST=2 TYP=8
	2695	SVTO	8	S	1434.0	1434.0	2.0	100.0			QL=4 ST=2 TYP=3
27	8800	LEAR	8	S	0929.0	0930.0	1.0	66.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0929.0	0930.0	1.0	50.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1522.0	1523.0	2.0	35.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1523.0	1523.0	1.0	29.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2227.0	2229.0	4.0	53.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	2228.0	2229.0	1.0	51.0			QL=2 ST=2 TYP=3
	8800	PALE	46	C	2239.0	2239.0	1.0	25.0			QL=4 ST=2 TYP=8
28	8800	LEAR	4	S/F	0442.0	0444.0	20.0	56.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0820.0	0820.0	U	27.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0920.0	0920.0	U	27.0			QL=4 ST=3 TYP=3
	2695	SVTO	8	S	1100.0	1101.0	2.0	60.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1100.0	1101.0	1.0	84.0			QL=4 ST=2 TYP=3
29	8800	LEAR	8	S	0157.0	0157.0	U	54.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1110.0	1111.0	3.0	78.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1110.0	1110.0	2.0	58.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1125.0	1132.0	12.0	100.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1132.0	1132.0	U	26.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1516.0	1516.0	1.0	42.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1629.0	1629.0	6.0	110.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1629.0	1629.0	6.0	110.0			QL=4 ST=2 TYP=8
	8800	LEAR	20	GRF	2355.0	2358.0	8.0	32.0			QL=4 ST=3 TYP=2
	8800	PALE	46	C	2356.0	2357.0	4.0	27.0			QL=4 ST=2 TYP=8
30	8800	LEAR	8	S	0834.0	0835.0	2.0	37.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0834.0	0834.0	3.0	62.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1143.0	1143.0	2.0	84.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1218.0	1219.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1218.0	1219.0	2.0	110.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1219.0	1219.0	1.0	200.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1219.0	1219.0	1.0	180.0			QL=4 ST=2 TYP=3
31	8800	SVTO	48	C	0800.0	0803.0	960.0	870.0			QL=4 ST=1 TYP=8
	8800	LEAR	49	GB	0802.0	0803.0	21.0	840.0			QL=4 ST=2 TYP=6
	2695	LEAR	4	S/F	0803.0	0803.0	4.0	140.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0803.0	0803.0	4.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	0803.0	0803.0	25.0	890.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	1929.0	1929.0	U	51.0			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	40 Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	40F Rise Only F	260 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.