SOLAR RADIO EMISSION
Selected Fixed Frequency Events

NOVEMBER 2000

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean	Int	Remarks
03	2695	LEAR	8	S	2257.0	2258.0	2.0	46.0			QL=4 ST=2 TYP=3
04	2695	SGMR	8	S	1421.0	1422.0	1.0	47.0			QL=4 ST=2 TYP=3
06	8800	SVTO	8	S	0934.0	0935.0	1.0	30.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0935.0	0935.0	U	32.0			QL=4 ST=2 TYP=3
07	2695	SGMR	4	S/F	1157.0	1200.0	7.0	89.0			QL=4 ST=2 TYP=3
08	8800	LEAR	8	S	0951.0	0952.0	2.0	220.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	2258.0	2318.0	103.0	710.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	2258.0	2318.0	114.0	740.0			QL=4 ST=2 TYP=8
	8800	PALE	4	S/F	2305.0	2318.0	96.0	240.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	2306.0	2318.0	72.0	210.0			QL=4 ST=2 TYP=8
14	8800	LEAR	20	GRF	0339.0	0350.0	122.1	48.0			QL=4 ST=1 TYP=2
	8800	SGMR	8	S	1628.0	1629.0	2.0	39.0			QL=4 ST=2 TYP=3
15	8800	LEAR	8	S	0243.0	0244.0	2.0	93.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0244.0	0244.0	1.0	52.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0244.0	0244.0	1.0	69.0			QL=4 ST=2 TYP=3
18	2695	SVTO	4	S/F	1053.0	1055.0	8.0	79.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1053.0	1054.0	8.0	130.0			QL=4 ST=2 TYP=3
	8800	SGMR	20	GRF	1304.0	1316.0	37.0	83.0			QL=4 ST=2 TYP=2
	2695	SVTO	20	GRF	1308.0	1316.0	9.0	61.0			QL=4 ST=2 TYP=2
	2695	SGMR	20	GRF	1308.0	1316.0	33.0	74.0			QL=4 ST=2 TYP=2
	8800	SVTO	8	S	1314.0	1314.0	1.0	22.0			QL=4 ST=2 TYP=3
21	2695	LEAR	8	S	0630.0	0630.0	1.0	60.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0630.0	0630.0	1.0	51.0			QL=2 ST=2 TYP=3
	8800	PALE	4	S/F	1916.0	1917.0	4.0	52.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1917.0	1917.0	1.0	29.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1917.0	1917.0	3.0	32.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1917.0	1917.0	3.0	60.0			QL=4 ST=2 TYP=3
22	8800	SGMR	4	S/F	1619.0	1619.0	6.0	350.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	1619.0	1619.0	6.0	500.0			QL=4 ST=2 TYP=6
23	2695	SGMR	8	S	1422.0	1422.0	2.0	51.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1422.0	1422.0	2.0	52.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1422.0	1422.0	1.0	34.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2037.0	2039.0	3.0	70.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2037.0	2038.0	3.0	180.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2320.0	2323.0	4.0	85.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	2320.0	2321.0	5.0	660.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	2320.0	2323.0	4.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	2320.0	2322.0	5.0	720.0			QL=4 ST=2 TYP=6
	8800	LEAR	8	S	2333.0	2334.0	1.0	28.0			QL=4 ST=2 TYP=3
24	2695	LEAR	4	S/F	0215.0	0216.0	3.0	30.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0355.0	0356.0	1.0	28.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0356.0	0356.0	U	24.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0458.0	0459.0	9.0	2200.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0458.0	0500.0	22.0	3500.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0737.0	0738.0	1.0	79.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0737.0	0738.0	1.0	43.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0737.0	0737.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0737.0	0738.0	1.0	43.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1454.0	1509.0	78.0	7300.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1455.0	1508.0	77.0	1400.0			QL=4 ST=2 TYP=8
	8800	PALE	49	GB	2146.0	2153.0	44.0	610.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	2152.0	2153.0	3.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2154.0E	2154.0U	U	35.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	2154.0E	2209.0U	37.0D	390.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	2239.0	2239.0	1.0	34.0			QL=4 ST=2 TYP=3
25	2695	LEAR	48	C	0058.0	0131.0	105.0	11000.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0058.0	0131.0	127.0	13000.0			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

NOVEMBER 2000

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
25	8800	LEAR	48	C	0100.0	0122.0	95.0	2800.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0104.0	0122.0	60.0	2800.0			QL=4 ST=2 TYP=8
	2695	SVTO	20	GRF	0909.0	0918.0	13.0	100.0			QL=4 ST=2 TYP=2
	8800	SVTO	48	C	0909.0	0912.0	35.0	230.0			QL=4 ST=2 TYP=8
	8800	LEAR	4	S/F	0910.0	0912.0	11.0	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0910.0	0918.0	10.0	100.0			QL=4 ST=2 TYP=8
	8800	PALE	49	GB	1833.0	1838.0	8.0	3000.0			QL=4 ST=3 TYP=6
	2695	PALE	49	GB	1834.0	1838.0	7.0	750.0			QL=4 ST=3 TYP=6
	8800	SGMR	49	GB	1835.0	1838.0	32.0	3800.0			QL=4 ST=2 TYP=6
	2695	SGMR	48	C	1836.0	1904.0	31.0	1100.0			QL=4 ST=2 TYP=8
	2695	PALE	49	GB	1903.0	1904.0	1.0	1200.0			QL=4 ST=2 TYP=6
	2695	PALE	49	GB	1937.0	1941.0	7.0	2300.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1937.0	1941.0	10.0	1900.0			QL=4 ST=2 TYP=6
	8800	SGMR	4	S/F	1938.0	1941.0	9.0	230.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1942.0	1942.0	1.0	140.0			QL=4 ST=2 TYP=3
26	8800	LEAR	4	S/F	0252.0	0254.0	7.0	51.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0252.0	0253.0	4.0	41.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0253.0	0253.0	1.0	37.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0301.0	0302.0	6.0	61.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0302.0	0304.0	5.0	87.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0303.0	0304.0	9.0	99.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0303.0	0304.0	2.0	60.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	1637.0	1639.0	44.0	700.0			QL=4 ST=2 TYP=6
	8800	SGMR	48	C	1637.0	1643.0	44.0	4500.0			QL=4 ST=2 TYP=8
29	2695	LEAR	8	S	0952.0	0952.0	U	78.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0955.0	0956.0	1.0	48.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2200.0	2201.0	8.0	52.0			QL=4 ST=2 TYP=3
30	8800	SGMR	4	S/F	1648.0	1649.0	3.0	62.0			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.