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

DECEMBER 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
02	8800	SGMR	8	S	1924.0	1924.0	U	29.0			QL=4 ST=2 TYP=3
04	2695	LEAR	4	S/F	2244.0	2247.0	5.0	190.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2244.0	2247.0	5.0	170.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2246.0	2247.0	3.0	470.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	2246.0	2247.0	4.0	510.0			QL=4 ST=2 TYP=6
10	2695	SVTO	8	S	1223.0	1223.0	2.0	73.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1223.0	1223.0	1.0	63.0			QL=4 ST=2 TYP=3
13	2695	SGMR	8	S	1326.0	1326.0	1.0	36.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1328.0	1328.0	1.0	36.0			QL=4 ST=2 TYP=3
16	2695	SVTO	4	S/F	1109.0	1111.0	7.0	64.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1110.0	1122.0	24.0	39.0			QL=4 ST=3 TYP=3
18	2695	PALE	8	S	0223.0	0223.0	U	61.0			QL=4 ST=3 TYP=3
	8800	LEAR	8	S	0635.0	0636.0	2.0	260.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0636.0	0636.0	U	68.0			QL=4 ST=2 TYP=3
19	2695	PALE	4	S/F	2138.0	2140.0	11.0	210.0			QL=4 ST=2 TYP=3
	8800	PALE	20	GRF	2139.0	2142.0	27.0	76.0			QL=4 ST=2 TYP=2
20	2695	SVTO	48	C	0823.0	0826.0	9.0	55.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0826.0	0827.0	1.0	69.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	0826.0	0831.0	8.0	92.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0830.0	0831.0	1.0	74.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1048.0	1048.0	U	27.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1048.0	1048.0	U	48.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1126.0	1127.0	2.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1126.0	1127.0	2.0	73.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1222.0	1223.0	1.0	78.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1223.0	1223.0	U	97.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1249.0	1249.0	1.0	50.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	1315.0	1318.0	8.0	860.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1315.0	1318.0	10.0	810.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1315.0	1318.0	13.0	750.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1315.0	1318.0	20.0	790.0			QL=4 ST=2 TYP=8
22	2695	PALE	48	C	0234.0	0244.0	35.0	230.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0240.0	0244.0	29.0	200.0			QL=4 ST=2 TYP=8
	8800	PALE	4	S/F	0243.0	0244.0	7.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0243.0	0244.0	14.0	130.0			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.