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

OCTOBER 2004

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
10	2695	SVTO	8	S	1023.0	1023.0	U	34.0			QL=4 ST=2 TYP=3
20	2695	SVTO	4	S/F	1046.0	1046.0U	5.0	71.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1047.0	1048.0U	4.0	220.0			QL=4 ST=2 TYP=3
21	8800	SGMR	8	S	1947.0	1947.0	U	21.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1947.0	1947.0	1.0	65.0			QL=4 ST=2 TYP=3
22	2695	SVTO	4	S/F	0807.0	0810.0	4.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0808.0	0810.0	2.0	96.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0808.0	0810.0	3.0	51.0			QL=4 ST=2 TYP=3
23	2695	SGMR	8	S	1632.0	1632.0	1.0	36.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1632.0	1632.0	1.0	42.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1654.0	1654.0	3.0	56.0			QL=4 ST=2 TYP=3
25	2695	SVTO	8	S	1227.0	1227.0	U	42.0			QL=4 ST=2 TYP=3
29	8800	LEAR	8	S	2355.0	2355.0	U	75.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2355.0	2355.0	1.0	93.0			QL=4 ST=2 TYP=3
30	2695	LEAR	8	S	0043.0	0043.0	U	87.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0043.0	0043.0	2.0	440.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0043.0	0043.0	2.0	480.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0043.0	0043.0	U	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0047.0	0048.0	1.0	84.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0047.0	0048.0	2.0	87.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0210.0	0211.0	2.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0211.0	0211.0	2.0	270.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0211.0	0211.0	U	83.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0211.0	0211.0	2.0	300.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0329.0	0330.0	7.0	590.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	0329.0	0330.0	1.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	0329.0	0330.0	5.0	480.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	0330.0	0330.0	U	55.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0413.0	0413.0	U	56.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0455.0	0455.0	U	66.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0552.0	0552.0	U	55.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	0611.0	0614.0	8.0	630.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0612.0	0614.0	7.0	630.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	0612.0	0614.0	4.0	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0613.0	0614.0	2.0	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0658.0	0659.0	3.0	470.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0658.0	0659.0	2.0	61.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0658.0	0659.0	3.0	470.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0855.0	0856.0	4.0	160.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0856.0	0856.0	U	140.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0856.0	0856.0	U	33.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0912.0	0915.0	5.0	160.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0915.0	0917.0	3.0	210.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0915.0	0915.0	2.0	100.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0915.0	0917.0	5.0	250.0			QL=4 ST=2 TYP=8
	8800	LEAR	4	S/F	0925.0	0927.0	3.0	270.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0925.0	0927.0	2.0	63.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0925.0	0927.0	3.0	310.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1023.0	1028.0	7.0	56.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	1026.0	1029.0	9.0	110.0			QL=4 ST=2 TYP=8
	8800	SVTO	8	S	1119.0	1120.0	1.0	62.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1120.0	1120.0	U	68.0			QL=4 ST=2 TYP=3
	2695	SVTO	49	GB	1141.0	1144.0	7.0	720.0			QL=4 ST=2 TYP=6
	8800	SVTO	48	C	1141.0	1144.0	10.0	1500.0			QL=4 ST=2 TYP=8
	2695	SGMR	49	GB	1142.0	1144.0	5.0	590.0			QL=4 ST=2 TYP=6
	8800	SGMR	48	C	1142.0	1144.0	7.0	1400.0			QL=4 ST=2 TYP=8
	8800	SGMR	8	S	1249.0	1249.0	1.0	86.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1249.0	1250.0	1.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1249.0	1249.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1249.0	1250.0	2.0	170.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1254.0	1255.0	2.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1254.0	1255.0	5.0	120.0			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

OCTOBER 2004

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
30	2695	SVTO	8	S	1254.0	1255.0	2.0	30.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1314.0	1315.0	1.0	34.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1315.0	1315.0	U	21.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1344.0	1345.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1344.0	1345.0	5.0	100.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1344.0	1345.0	2.0	57.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1359.0	1359.0	U	52.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1359.0	1359.0	4.0	61.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1400.0	1401.0	3.0	80.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1400.0	1400.0	3.0	56.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1436.0	1436.0	U	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1436.0	1436.0	U	210.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1441.0	1441.0	U	24.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1441.0	1446.0	6.0	48.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1446.0	1446.0	U	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1551.0	1553.0	3.0	150.0			QL=4 ST=2 TYP=3
	2695	SGMR	48	C	1623.0	1624.0	11.0	300.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1623.0	1624.0	12.0	1300.0			QL=4 ST=2 TYP=8
	8800	PALE	4	S/F	2154.0	2155.0	5.0	140.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2155.0	2156.0	2.0	59.0			QL=4 ST=2 TYP=3
31	8800	LEAR	4	S/F	0222.0	0222.0	6.0	77.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0222.0	0222.0	5.0	66.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0526.0	0527.0	2.0	190.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0526.0	0526.0	11.0	780.0			QL=4 ST=2 TYP=8
	2695	SVTO	8	S	0919.0	0919.0	U	50.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0919.0	0919.0	U	48.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1139.0	1139.0	U	52.0			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.