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

MAY 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
01	2695	SGMR	4	S/F	1017.0	1021.0	8.0	170.0			QL=2 ST=2 TYP=3
	8800	SGMR	49	GB	1017.0	1021.0	8.0	950.0			QL=2 ST=2 TYP=6
	2695	SGMR	4	S/F	1026.0	1028.0	6.0	29.0			QL=2 ST=2 TYP=3
	8800	SGMR	4	S/F	1027.0	1028.0	7.0	52.0			QL=2 ST=2 TYP=3
02	8800	SGMR	49	GB	1444.0	1446.0	11.0	1400.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	1445.0	1446.0	8.0	940.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1445.0	1446.0	8.0	230.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1445.0	1446.0	10.0	250.0			QL=4 ST=2 TYP=3
04	8800	LEAR	4	S/F	0435.0	0437.0	3.0	51.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0437.0	0437.0	1.0	25.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1101.0	1104.0	6.0	100.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1102.0	1104.0	3.0	39.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1102.0	1104.0	3.0	100.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1104.0	1104.0	1.0	42.0			QL=4 ST=2 TYP=3
05	2695	SVTO	4	S/F	1535.0	1537.0	8.0	70.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1536.0	1537.0	9.0	67.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1536.0	1538.0	9.0	30.0			QL=4 ST=2 TYP=3
09	8800	SGMR	20	GRF	1924.0	1927.0	103.0	26.0			QL=4 ST=2 TYP=2
12	2695	LEAR	8	S	2318.0	2319.0	1.0	24.0			QL=2 ST=2 TYP=3
	2695	LEAR	20	GRF	2320.0	2324.0	43.0	68.0			QL=4 ST=2 TYP=2
	2695	PALE	4	S/F	2321.0	2321.0	6.0	53.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2321.0	2321.0	7.0	23.0			QL=4 ST=2 TYP=3
13	8800	SGMR	8	S	1433.0	1433.0	U	38.0			QL=4 ST=2 TYP=3
14	2695	LEAR	8	S	0848.0	0848.0	U	31.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0917.0	0917.0	2.0	43.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0917.0	0917.0	2.0	150.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0917.0	0917.0	2.0	120.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0917.0	0918.0	2.0	33.0			QL=4 ST=2 TYP=3
15	8800	LEAR	8	S	0237.0	0237.0	U	67.0			QL=4 ST=2 TYP=3
	8800	LEAR	48	C	0841.0	0909.0	44.0	620.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	0841.0	0908.0	53.0	440.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	0841.0	0909.0	67.0	600.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0842.0	0909.0	50.0	640.0			QL=4 ST=2 TYP=8
	8800	SGMR	4	S/F	1048.0	1048.0	3.0	230.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1048.0	1049.0	3.0	170.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1048.0	1048.0	1.0	200.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1048.0	1048.0	2.0	160.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	1553.0	1650.0	103.0	1500.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1554.0	1650.0	102.0	750.0			QL=4 ST=3 TYP=8
	8800	PALE	48	C	1635.0	1650.0	74.0	960.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1635.0	1651.0	118.0	1500.0			QL=4 ST=2 TYP=8
	8800	PALE	8	S	1852.0	1852.0	1.0	49.0			QL=4 ST=2 TYP=3
16	2695	LEAR	8	S	0326.0	0326.0	U	52.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1548.0	1549.0	2.0	270.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1548.0	1549.0	1.0	65.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2358.0	2359.0	4.0	57.0			QL=4 ST=3 TYP=3
17	8800	LEAR	8	S	0502.0	0502.0	U	63.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0502.0	0502.0	1.0	55.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0645.0	0646.0	1.0	51.0			QL=4 ST=2 TYP=3
18	8800	LEAR	8	S	0125.0	0125.0	1.0	130.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0125.0	0126.0	2.0	120.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1555.0	1556.0	3.0	60.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1555.0	1556.0	5.0	210.0			QL=2 ST=2 TYP=3
	2695	SVTO	8	S	1555.0	1556.0	2.0	61.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1555.0	1556.0	2.0	180.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2258.0	2259.0	2.0	95.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2259.0	2259.0	1.0	83.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Selected Fixed Frequency Events

MAY 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
19	8800	LEAR	8	S	0635.0	0635.0	U	44.0			QL=4 ST=2 TYP=3
20	8800	LEAR	20	GRF	0105.0	0106.0	9.0	120.0			QL=4 ST=2 TYP=2
	2695	PALE	4	S/F	0105.0	0106.0	7.0	90.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0106.0	0106.0	U	100.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0106.0	0106.0	6.0	93.0			QL=4 ST=2 TYP=3
	8800	LEAR	20	GRF	0526.0	0533.0	18.0	61.0			QL=4 ST=2 TYP=2
	2695	LEAR	4	S/F	0526.0	0527.0	18.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0527.0	0527.0	U	69.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2110.0	2111.0	1.0	28.0			QL=4 ST=2 TYP=3
21	8800	LEAR	4	S/F	0859.0	0906.0	8.0	38.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0859.0	0905.0	8.0	130.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0903.0	0905.0	12.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0905.0	0906.0	2.0	38.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1017.0	1017.0	U	37.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1020.0	1021.0	4.0	260.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1021.0	1021.0	3.0	69.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1021.0	1021.0	1.0	72.0			QL=4 ST=2 TYP=3
22	2695	LEAR	20	GRF	0117.0	0123.0	25.0	58.0			QL=4 ST=2 TYP=2
	8800	LEAR	8	S	0242.0	0243.0	2.0	80.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0336.0	0337.0	1.0	110.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0810.0	0810.0	1.0	95.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1030.0	1031.0	2.0	55.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1031.0	1031.0	1.0	58.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2052.0	2052.0	1.0	48.0			QL=4 ST=2 TYP=3
23	8800	LEAR	8	S	0040.0	0041.0	1.0	58.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2050.0	2051.0	2.0	450.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2050.0	2051.0	1.0	77.0			QL=4 ST=2 TYP=3
	8800	SGMR	49	GB	2050.0	2051.0	2.0	510.0			QL=4 ST=2 TYP=6
	2695	PALE	8	S	2051.0	2051.0	U	34.0			QL=4 ST=2 TYP=3
24	8800	LEAR	8	S	0234.0	0234.0	U	71.0			QL=2 ST=2 TYP=3
	2695	LEAR	4	S/F	0354.0	0355.0	3.0	31.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1136.0	1136.0	U	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	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.