SOLAR RADIO EMISSION
Selected Fixed Frequency Events

FEBRUARY 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
03	8800	PALE	4	S/F	1958.0	1959.0	5.0	67.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1958.0	1959.0	4.0	77.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1959.0	1959.0	3.0	30.0			QL=4 ST=2 TYP=3
04	8800	LEAR	8	S	0653.0	0654.0	2.0	72.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0653.0	0654.0	3.0	110.0			QL=4 ST=3 TYP=3
	8800	LEAR	8	S	0914.0	0915.0	2.0	300.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0914.0	0915.0	5.0	420.0			QL=4 ST=3 TYP=3
	8800	PALE	8	S	1759.0	1759.0	1.0	160.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1759.0E	1759.0U	3.0D	160.0			QL=2 ST=2 TYP=3
	2695	PALE	8	S	1800.0	1800.0	U	24.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1800.0E	1800.0U	1.0D	11.0			QL=2 ST=2 TYP=3
05	8800	SGMR	46	C	1921.0	1925.0	4.0	38.0			QL=4 ST=2 TYP=8
	2695	SGMR	8	S	1921.0	1921.0	1.0	69.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1924.0	1926.0	7.0	350.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	1924.0	1928.0	10.0	640.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1925.0	1927.0	8.0	540.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1925.0	1926.0	8.0	330.0			QL=4 ST=2 TYP=3
06	2695	LEAR	8	S	0716.0	0716.0	1.0	26.0			QL=4 ST=2 TYP=3
08	2695	SVTO	4	S/F	0845.0	0852.0	8.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0845.0	0856.0	20.0	220.0			QL=4 ST=2 TYP=8
	8800	LEAR	8	S	0848.0	0848:0	U	29.0			QL=4 ST=2 TYP=3
	8800	SVTO	20	GRF	0848.0	0857.0	27.0	91.0			QL=4 ST=2 TYP=2
09	2695	SGMR	20	GRF	1929.0	1951.0	271.0	24.0			QL=4 ST=1 TYP=2
10	2695	PALE	48	C	0144.0	0153.0	26.0	240.0			QL=4 ST=2 TYP=8
	8800	PALE	4	S/F	0151.0	0155.0	7.0	45.0			QL=4 ST=2 TYP=3
12	2695	LEAR	4	S/F	0402.0	0406.0	10.0	200.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0402.0	0406.0	10.0	150.0			QL=4 ST=2 TYP=3
17	8800	PALE	4	S/F	1847.0	1849.0	5.0	69.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1847.0	1848.0	8.0	110.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1847.0	1848.0	8.0	78.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1848.0	1849.0	1.0	72.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2023.0	2025.0	16.0	200.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2024.0	2025.0	7.0	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2024.0	2028.0	15.0	52.0			QL=4 ST=2 TYP=3
18	8800	LEAR	4	S/F	0707.0	0708.0	6.0	25.0			QL=4 ST=2 TYP=3
20	8800	PALE	8	S	2205.0	2205.0	1.0	63.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2205.0	2205.0	1.0	130.0			QL=4 ST=2 TYP=3
21	8800	LEAR	8	S	0042.0	0042.0	U	61.0			QL=2 ST=2 TYP=3
22	2695	PALE	20	GRF	2035.0	2045.0	34.0	50.0			QL=4 ST=2 TYP=2
	2695	SGMR	20	GRF	2036.0	2045.0	13.0	57.0			QL=4 ST=2 TYP=2
24	8800	SGMR	4	S/F	1437.0	1437.0	4.0	40.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1437.0	1437.0	4.0	61.0			QL=4 ST=2 TYP=3
25	8800	LEAR	8	S	0500.0	0500.0	U	22.0			QL=2 ST=2 TYP=3
26	2695	LEAR	8	S	1029.0	1029.0	1.0	52.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	1029.0	1030.0	1.0	45.0			QL=2 ST=2 TYP=3
	2695	LEAR	4	S/F	2336.0	2338.0	11.0	73.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2337.0	2339.0	14.0	190.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	2338.0	2339.0	3.0	120.0			QL=2 ST=2 TYP=3
	2695	PALE	4	S/F	2338.0	2339.0	4.0	62.0			QL=4 ST=2 TYP=3
	8800	PALE	46	C	2351.0	2353.0	3.0	38.0			QL=4 ST=2 TYP=8
	2695	PALE	4	S/F	2351.0	2351.0	25.0	52.0			QL=4 ST=2 TYP=3
27	2695	LEAR	8	S	0830.0	0830.0	U	31.0			QL=4 ST=2 TYP=3

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FEBRUARY 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
29	2695	LEAR	8 S	0837.0	0837.0	U	63.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0837.0	0837.0	U	52.0			QL=4 ST=2 TYP=3
	8800	SGMR	48 C	1701.0	1706.0	28.0	56.0			QL=4 ST=2 TYP=8

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.