SOLAR RADIO EMISSION
Selected Fixed Frequency Events

AUGUST 2005

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	8800	SVTO	8	S	1217.0	1218.0	2.0	180.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1217.0	1218.0	2.0	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1217.0	1218.0	703.0	150.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1217.0	1218.0	703.0	150.0			QL=4 ST=1 TYP=3
	8800	SVTO	48	C	1328.0	1343.0	43.0	360.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1329.0	1347.0	47.0	290.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1338.0	1343.0	33.0	320.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1338.0	1347.0	36.0	280.0			QL=4 ST=2 TYP=8
02	2695	SVTO	8	S	0738.0	0738.0	1.0	42.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0738.0	0739.0	2.0	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1240.0	1242.0	3.0	200.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1240.0	1242.0	3.0	200.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1240.0	1242.0	4.0	240.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1241.0	1242.0	3.0	230.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	1825.0	1827.0	6.0	170.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1825.0	1826.0	4.0	160.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1826.0	1827.0	5.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1826.0	1826.0	3.0	140.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2015.0	2015.0	1.0	200.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2015.0	2016.0	1.0	140.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	2015.0	2015.0	U	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2015.0	2015.0	1.0	100.0			QL=4 ST=2 TYP=3
03	2695	PALE	8	S	0234.0	0234.0	U	22.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0234.0	0234.0	U	32.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0242.0	0242.0	U	53.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0243.0	0243.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0457.0	0458.0	4.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0458.0	0458.0	3.0	120.0			QL=4 ST=3 TYP=3
	8800	LEAR	4	S/F	0458.0	0459.0	3.0	360.0			QL=4 ST=3 TYP=3
	8800	SVTO	4	S/F	0458.0	0459.0	3.0	280.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0504.0	0505.0	2.0	95.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0504.0	0505.0	3.0	300.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0504.0	0505.0	4.0	90.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	0504.0	0505.0	3.0	230.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1351.0	1352.0	6.0	38.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1351.0	1353.0	4.0	29.0			QL=4 ST=2 TYP=3
04	2695	SVTO	4	S/F	0550.0	0550.0	6.0	42.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1737.0	1737.0	U	25.0			QL=4 ST=2 TYP=3
14	8800	SGMR	8	S	1617.0	1617.0	U	28.0			QL=4 ST=2 TYP=3
22	2695	LEAR	48	C	0050.0	0122.0	81.0	1600.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0051.0	0124.0	114.0	1900.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0053.0	0123.0	70.0	1300.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0054.0	0124.0	127.0	1300.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1649.0	1713.0	28.0	7000.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1650.0	1706.0	17.0	2800.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1650.0	1706.0	17.0	6400.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1650.0	1711.0	27.0	9800.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1654.0	1721.0	141.0	3900.0			QL=4 ST=2 TYP=8
	2695	PALE	49	GB	1654.0	1722.0	163.0	8200.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1707.0	1720.0	187.0	7100.0			QL=4 ST=2 TYP=6
	8800	SGMR	48	C	1707.0	1711.0	187.0	9800.0			QL=4 ST=2 TYP=8
23	8800	SGMR	48	C	1421.0	1534.0	179.0	2700.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1421.0	1532.0	173.0	1300.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1421.0	1534.0	201.0	3500.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1422.0	1533.0	174.0	3300.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	1640.0	1644.0	54.0	280.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1641.0	1646.0	8.0	120.0			QL=4 ST=2 TYP=8
24	8800	LEAR	8	S	0613.0	0613.0	U	51.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0614.0	0616.0	3.0	200.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0616.0	0616.0	1.0	200.0			QL=4 ST=2 TYP=3
25	2695	SVTO	48	C	0425.0	0437.0	1175.0	310.0			QL=4 ST=1 TYP=8

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

AUGUST 2005

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	0435.0	0438.0	9.0	1900.0			QL=4 ST=2 TYP=8
	2695	LEAR	4	S/F	0436.0	0437.0	4.0	260.0			QL=4 ST=2 TYP=3
	2695	SVTO	48	C	0436.0	0437.0	12.0	310.0			QL=2 ST=2 TYP=8
	8800	SVTO	48	C	0436.0	0439.0	13.0	1500.0			QL=2 ST=2 TYP=8
	2695	PALE	8	S	0437.0	0437.0	1.0	60.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	0437.0E	0440.0	3.0D	1000.0			QL=4 ST=2 TYP=8
26	8800	SVTO	8	S	1148.0	1149.0	1.0	50.0			QL=4 ST=2 TYP=3
28	2695	SVTO	49	GB	1018.0	1020.0	10.0	520.0			QL=4 ST=2 TYP=6
	8800	SVTO	49	GB	1019.0	1020.0	9.0	1000.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	1024.0E	1026.0U	2.0D	71.0			QL=4 ST=1 TYP=3
31	2695	SVTO	8	S	1028.0	1028.0	U	21.0			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.