S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

FEBRUARY 2001

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	280	CUBA	44	NS	1330.0E		500.0D		64.0		
	235	CUBA	44	NS	1330.0E		500.0D		16.0		
	900	GORK	42	SER	0701.7	0702.4	14.3	85.0			
	900	GORK	42	SER	0701.7	0713.7		50.0			
	2950	GORK	3	S	0709.9	0710.9	8.1	130.0			
	2800	HIRA	3	S	0710.0	0711.0	20.0	130.0			MR
	1415	LEAR	4	S/F	0710.0	0711.0	1010.0	44.0			QL=4 ST=1 TYP=3
	15400	LEAR	4	S/F	0710.0	0710.0	1010.0	32.0			QL=2 ST=1 TYP=3
	8800	LEAR	4	S/F	0710.0	0710.0	1010.0	99.0			QL=2 ST=1 TYP=3
	4995	LEAR	4	S/F	0710.0	0710.0	1010.0	160.0			QL=2 ST=1 TYP=3
	2695	LEAR	4	S/F	0710.0	0710.0	1010.0	120.0			QL=2 ST=1 TYP=3
	9100	GORK	4	S/F	0710.0	0710.9	5.0	95.0			
	3000	IZMI	45	C	0710.0	0710.9	2.3	120.0	44.0		
	204	IZMI	7	C	0923.6	0923.8	0.3	13.0			
	2800	PENT	29	PBI	1705.0	1710.0	27.0U	82.0			
	6700	CUBA	3	S	1709.5	1710.2	1.7	185.0	92.0		3L
	9500	CUBA	1	S	1709.6	1710.2	1.6	35.0	17.0		
	2800	PENT	1	S	2246.0	2249.0	6.0	6.0			
02	235	CUBA	44	NS	1320.0E		510.0D		13.0		
	280	CUBA	44	NS	1320.0E		510.0D		58.0		
	2804	VORO	4	S/F	2348.8	0000.0	19.2	60.0			
	500	HIRA	7	C	2349.0	2355.0	19.0	60.0			0
	2800	HIRA	45	C	2349.0	0000.0	17.0	100.0			0
	2695	LEAR	48	C	2354.0	2359.0	8.0	100.0			QL=2 ST=2 TYP=8
	1415	LEAR	4	S/F	2354.0	2356.0	7.0	59.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	2354.0	2358.0	7.0	210.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	2354.0	2356.0	3.0	29.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2354.0	2355.0	3.0	18.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2354.0	2358.0	8.0	230.0			QL=4 ST=2 TYP=3
	2695	PALE	48	C	2354.0	2359.0	8.0	86.0			QL=4 ST=2 TYP=8
	200	HIRA	7	C	2354.0	0003.0	10.0	40.0			0
	15400	LEAR	4	S/F	2354.0	2359.0	23.0	42.0			QL=2 ST=2 TYP=3
	4995	LEAR	48	C	2354.0	2359.0	21.0	150.0			QL=2 ST=2 TYP=8
	8800	LEAR	4	S/F	2354.0	2359.0	20.0	77.0			QL=2 ST=2 TYP=3
	4995	PALE	48	C	2354.0	2359.0	21.0	160.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	2354.0	2359.0	21.0	110.0			QL=4 ST=2 TYP=8
	1415	PALE	4	S/F	2355.0	2356.0	6.0	80.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2355.0	2356.0	2.0	35.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2357.0	2359.0	3.0	54.0			QL=4 ST=2 TYP=3
03	2804	VORO	29	PBI	0008.0	0008.0	48.6	13.4			
	204	IZMI	7	C	1116.2	1116.3	0.3	108.0			
	15400	LEAR	20	GRF	2300.0	2336.0	55.0	51.0			QL=2 ST=2 TYP=2
	1415	LEAR	8	S	2326.0	2326.0	U	45.0			QL=4 ST=2 TYP=3
04	280	CUBA	44	NS	1300.0E		530.0D		72.0		
	235	CUBA	44	NS	1330.0E		500.0D		16.0		
	2804	VORO	2	S/F	0018.3	0019.4	1.7	3.4			
	2804	VORO	3	S	0201.0	0202.5	3.2	8.3			
	900	GORK	2	S/F	0831.2	0833.2	4.5	4.0			
	2950	GORK	4	S/F	0835.8	0837.3	2.5	16.0			
	3000	IZMI	20	GRF	0835.9	0837.3	2.7	17.0	0.8		
	900	GORK	8	S	0839.6	0839.7	0.3	65.0			
	2800	PENT	1	S	2308.0	2311.0	6.0	11.0			
05	204	IZMI	43	NS	1001.0		120.0U		10.0		
	280	CUBA	44	NS	1330.0E		500.0D		90.0		
	235	CUBA	44	NS	1330.0E		500.0D		24.0		
	2804	VORO	45	C	0224.0	0224.9	1.4	13.0			
	2804	VORO	4	S/F	0442.5	0443.8	3.1	68.0			
	2695	LEAR	8	S	0443.0	0443.0	U	66.0			QL=2 ST=2 TYP=3
	900	GORK	42	SER	0923.1	0923.3	10.9	8.1			
	900	GORK	42	SER	0923.1	0932.6		14.0			
	1415	SVTO	4	S/F	1508.0	1510.0	6.0	31.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	1508.0	1512.0	6.0	22.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1508.0	1512.0	6.0	46.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1509.0	1515.0	7.0	33.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1510.0	1512.0	4.0	39.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

FEBRUARY 2001

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
05	245	SGMR	48	C	1510.0	1519.0	12.0	64.0			QL=4 ST=2 TYP=8
	1415	SGMR	4	S/F	1510.0	1510.0	12.0	36.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1510.0	1512.0	12.0	68.0			QL=4 ST=2 TYP=3
	4995	SGMR	46	C	1511.0	1514.0	11.0	36.0			QL=4 ST=2 TYP=8
	8800	SGMR	4	S/F	1514.0	1516.0	8.0	34.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1518.0	1519.0	4.0	54.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1518.0	1519.0	4.0	42.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1519.0	1519.0	1.0	55.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1519.0	1519.0	1.0	72.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1547.0	1548.0	2.0	88.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1645.0	1647.0	4.0	12.0			
	610	SGMR	8	S	1645.0	1647.0	2.0	52.0			QL=4 ST=2 TYP=3
06	204	IZMI	44	NS	0700.0E		300.0D		15.0		
	235	CUBA	44	NS	1315.0E		515.0D		37.0		
	280	CUBA	44	NS	1315.0E		515.0D		117.0		
	410	SVTO	8	S	1147.0	1147.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1250.0	1250.0	1.0	66.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1443.0	1443.0	U	68.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1443.0	1443.0	1.0	67.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1517.0	1518.0	1.0	54.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1517.0	1518.0	1.0	84.0			QL=2 ST=3 TYP=3
07	204	IZMI	44	NS	0700.0E		300.0D		5.0		
	127	TORN	44	NS	1120.0E		220.0D		7.0		V=0
	280	CUBA	44	NS	1300.0E		530.0D		76.0		
	235	CUBA	44	NS	1300.0E		530.0D		18.0		
	2804	VORO	2	S/F	0045.8	0046.7	3.7	8.2			
	204	IZMI	7	C	1156.8	1156.9	0.4	18.0	8.0		
08	280	CUBA	44	NS	1320.0E		510.0D		70.0		
	235	CUBA	44	NS	1320.0E		510.0D		14.0		
09	280	CUBA	44	NS	1320.0E		510.0D		69.0		
	235	CUBA	44	NS	1320.0E		510.0D		15.0		
	204	IZMI	7	C	0845.3	0845.4	0.2	14.0			
	127	TORN	45	C	1042.5	1043.9	3.3	100.0	50.0		UNCERTAIN
	410	SVTO	8	S	1211.0	1212.0	2.0	280.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1212.0	1212.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1212.0	1212.0	U	230.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1212.0	1212.0	U	87.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1755.0	1756.0	2.0	18.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1755.0	1756.0	2.0	15.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1755.0	1756.0	1.0	530.0			QL=4 ST=2 TYP=6
	1415	PALE	8	S	1755.0	1756.0	2.0	45.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1755.0	1756.0	1.0	370.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1756.0	1756.0	U	46.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2143.0	2143.0	1.0	89.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2143.0	2143.0	U	110.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	2148.2	2148.7	2.6	12.0	6.0		8L
	200	HIRA	8	S	2151.0	2151.0	1.0	50.0			0
	500	HIRA	47	GB	2151.0	2151.0	1.0	515.0			0
	410	PALE	49	GB	2151.0	2151.0	U	710.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	2151.0	2151.0	U	220.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2151.0	2151.0	U	340.0			QL=4 ST=2 TYP=3
	2800	PENT	8	S	2236.0	2237.0	2.0	15.0			
	200	HIRA	8	S	2237.0	2238.0	1.0	340.0			0
	245	LEAR	8	S	2237.0	2237.0	1.0	280.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2237.0	2238.0	1.0	440.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2237.0	2238.0	1.0	86.0			QL=4 ST=2 TYP=3
	2800	PENT	22	GRF	2309.0	2319.0	47.0	4.0			
	200	HIRA	8	S	2310.0	2311.0	1.0	30.0			0
10	235	CUBA	44	NS	1309.0E		521.0D		14.0		
	280	CUBA	44	NS	1309.0E		521.0D		62.0		
	200	HIRA	8	S	0308.0	0309.0	1.0	20.0			0
11	2804	VORO	22	GRF	0057.0	0128.5	88.0	17.6			
	610	SVTO	20	GRF	1026.0E	1035.0	9.0D	48.0			QL=2 ST=2 TYP=2

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

FEBRUARY 2001

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
11	610	SVTO	20	GRF	1026.0	1035.0	9.0	48.0			QL=4 ST=2 TYP=2
	610	SVTO	20	GRF	1029.0E	1030.0	1.0D	48.0			QL=2 ST=3 TYP=2
	1415	SVTO	8	S	1029.0	1029.0	1.0	41.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1029.0	1030.0	1.0	54.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1029.0	1029.0	1.0	35.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1029.0	1029.0	1.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1029.0	1030.0	1.0	97.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1029.0	1029.0	1.0	330.0			QL=4 ST=2 TYP=3
12	235	CUBA	44	NS	1315.0E		515.0D		13.0		
	2804	VORO	3	S	0115.0	0116.6	13.2	6.5			
	33	UPIC	46	C	0708.5	0710.2U	3.5				
	33	UPIC	45	C	0714.5	0715.0	1.0				
	33	UPIC	46	C	0801.0		5.0				
13	280	CUBA	44	NS	1330.0E		500.0D		75.0		
	235	CUBA	44	NS	1330.0E		500.0D		20.0		
14	280	CUBA	44	NS	1330.0E		500.0D		75.0		
	235	CUBA	44	NS	1330.0E		500.0D		17.0		
	900	GORK	46	C	0840.5	0841.3	2.0	21.0			
15	280	CUBA	44	NS	1334.0E		326.0D		72.0		
	235	CUBA	44	NS	1334.0E		326.0D		17.0		
	245	LEAR	8	S	0216.0	0217.0	1.0	94.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0220.0	0220.0	1.0	63.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0324.0	0324.0	U	58.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0916.6	0920.7	36.0	47.0			
16	235	CUBA	44	NS	1320.0E		510.0D		17.0		
	280	CUBA	44	NS	1320.0E		510.0D		70.0		
	9100	GORK	4	S/F	0750.4	0750.9	0.8	42.0			
17	235	CUBA	44	NS	1300.0E		530.0D		14.0		
	280	CUBA	44	NS	1300.0E		530.0D		67.0		
18	235	CUBA	44	NS	1300.0E		470.0D		19.0		
	280	CUBA	44	NS	1300.0E		470.0D		60.0		
	200	HIRA	8	S	2232.0	2232.0	1.0	40.0			WR
19	2800	PENT	1	S	2051.0	2054.0	6.0	3.0			
	2800	PENT	1	S	2121.0	2123.0	4.0	4.0			
20	280	CUBA	44	NS	1310.0E		520.0D		66.0		
	33	UPIC	45	C	1435.0	1435.5	1.5				
	410	SGMR	8	S	1453.0	1453.0	U	150.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1453.0	1453.0	U	380.0			QL=4 ST=2 TYP=3
	6700	CUBA	20	GRF	1529.0	1612.0	80.0	7.0	3.0		00L
	6700	CUBA	2	S/F	1723.8	1725.6	3.4	10.0	5.0		25L
	410	PALE	8	S	1725.0	1725.0	U	60.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1725.0	1725.0	1.0	60.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1748.0	1749.0	2.0	74.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1748.0	1748.3	1.8	8.0	4.0		26L
	245	SGMR	8	S	1946.0	1946.0	1.0	73.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	2005.0	2136.0	148.0D	16.0	8.0		00L SUNSET
	2800	PENT	1	S	2336.0	2340.0	7.0	5.0			
21	235	CUBA	44	NS	1314.0E		516.0D		17.0		
	280	CUBA	44	NS	1314.0E		516.0D		61.0		
	3000	IZMI	20	GRF	0808.2	0820.2	38.2	9.0	1.0		
	9500	CUBA	21	GRF	1411.0	1430.0	113.0D	14.0	7.0		
	6700	CUBA	21	GRF	1412.0	1428.0	33.0	13.0	6.0		6L
	15400	SVTO	4	S/F	1417.0	1420.0	8.0	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1418.0	1425.0	9.0	93.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1419.0	1420.0	4.0	89.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1419.0	1425.0	8.0	47.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1419.0	1420.0	1.0	150.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1419.2	1421.2	4.8	67.0	33.0		10L
	9500	CUBA	2	S/F	1419.2	1420.2	3.8	54.0	27.0		

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FEBRUARY 2001

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
21	4995	SGMR	4	S/F	1420.0	1421.0	3.0	47.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1420.0	1420.0	3.0	56.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1420.0	1420.0	U	160.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1425.0	1425.0	3.0	57.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1425.0	1425.0	3.0	47.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1425.0	1425.0	3.0	100.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1425.0	1425.0	1.0	2400.0			QL=4 ST=2 TYP=6
	15400	SVTO	8	S	1425.0	1425.0	1.0	29.0			QL=4 ST=3 TYP=3
	4995	SVTO	8	S	1425.0	1425.0	1.0	38.0			QL=4 ST=3 TYP=3
	8800	SVTO	8	S	1425.0	1425.0	1.0	79.0			QL=4 ST=3 TYP=3
	245	SVTO	49	GB	1425.0E	1425.0U	1.0D	2300.0			QL=2 ST=3 TYP=6
	9500	CUBA	45	C	1425.2	1425.8	2.1	393.0			
	6700	CUBA	45	C	1425.3	1425.9	2.5	75.0	37.0		12L
	2800	PENT	29	PBI	2251.0	2253.0	11.0	5.0			
22	235	CUBA	44	NS	1300.0E		510.0D		20.0		
	280	CUBA	44	NS	1300.0E		510.0D		72.0		
	2804	VORO	1	S	0156.8	0157.6	1.8	3.3			
	3000	IZMI	22	GRF	0944.9	0947.2	3.0	6.0	3.0		
	3000	IZMI	22	GRF	1043.5	1044.5	2.9	7.0	4.0		
23	204	IZMI	43	NS	0700.0		360.0U		5.0		
	280	CUBA	44	NS	1400.0E		470.0D		67.0		
	235	CUBA	44	NS	1400.0E		470.0D		19.0		
	200	HIRA	7	C	0624.0	0626.0	4.0	70.0			0
	245	LEAR	8	S	0624.0	0625.0	2.0	110.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0624.0	0625.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0802.0	0805.0	3.0	220.0			QL=2 ST=2 TYP=3
	245	SGMR	4	S/F	1614.0	1615.0	3.0	140.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1800.0	1801.0	1.0	65.0			QL=4 ST=2 TYP=3
24	235	CUBA	44	NS	1345.0E		485.0D		17.0		
	280	CUBA	44	NS	1345.0E		485.0D		67.0		
	200	HIRA	8	S	0114.0	0115.0	2.0	60.0			0
	200	HIRA	8	S	0313.0	0313.0	1.0	15.0			0
	204	IZMI	7	C	1003.0	1003.1	0.2	20.0			
	610	SGMR	8	S	1356.0	1356.0	1.0	430.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1356.0	1356.0	1.0	190.0			QL=4 ST=2 TYP=3
25	280	CUBA	44	NS	1329.0E		501.0D		67.0		
	235	CUBA	44	NS	1329.0E		501.0D		16.0		
	2804	VORO	2	S/F	0045.6	0045.9	1.2	5.0			
26	280	CUBA	44	NS	1300.0E		530.0D		64.0		
	235	CUBA	44	NS	1300.0E		530.0D		16.0		
	204	IZMI	7	C	0715.3	0715.4	0.2	13.0			
27	235	CUBA	44	NS	1300.0E		530.0D		14.0		
	280	CUBA	44	NS	1300.0E		530.0D		63.0		
	9100	GORK	4	S/F	0834.0	0834.2	0.4	135.0			
28	235	CUBA	44	NS	1300.0E		530.0D		14.0		
	280	CUBA	44	NS	1300.0E		530.0D		60.0		
	204	IZMI	41	F	0915.6	0915.9	0.5	45.0			
	204	IZMI	42	SER	1049.8	1050.0	1.2	104.0			