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

APRIL 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
01	204	IZMI	44	NS	0600.0E		360.0D		15.0		
	235	CUBA	44	NS	1330.0E		472.0D		7.0		
	280	CUBA	44	NS	1330.0E		472.0D		21.0		
	245	PALE	43	NS	1844.0	0105.0	316.0	220.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1844.0	0105.0	465.0	220.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0103.0	0103.0	U	53.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0231.0	0233.5	4.0	19.7			
	2804	VORO	40	F	0232.6	0233.2	1.8	18.4			
	2800	HIRA	8	S	0233.0	0233.0	1.0	20.0			0
	2840	PEKG	5	S	0337.0	0341.5	9.0	76.6			
	2804	VORO	40	F	0340.8	0341.4	1.2	64.0			
	2800	HIRA	8	S	0341.0	0341.0	1.0	50.0			0
	500	HIRA	8	S	0341.0	0342.0	1.0	15.0			0
	2695	PALE	8	S	0341.0	0341.0	U	56.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0520.0	0520.0	U	610.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0520.0	0520.0	U	510.0			QL=4 ST=2 TYP=6
	900	GORK	40	F	0756.8	0757.9	2.8	62.0			
	600	GORK	3	S	0758.5	0758.9	0.7	6.5			
	900	GORK	41	F	0818.4	0820.1		33.0			
	900	GORK	41	F	0818.4	0819.7	1.9	21.0			
	600	GORK	1	S	0819.2	0819.5	3.4	4.9			
	2800	PENT	1	S	1542.0	1546.0	9.0	3.0			
	245	SGMR	8	S	1614.0	1614.0	2.0	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1614.0	1614.0	2.0	110.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1752.0	1752.0	U	82.0			QL=4 ST=2 TYP=3
	2800	PENT	41	F	1821.0	1845.0	35.0	35.0			
	2800	PENT	29	PBI	2056.0	2111.0	96.0U	9.0			
	2800	PENT	8	S	2258.0	2300.0	5.0	21.0			
	2804	VORO	4	S/F	2259.4	2300.8	1.8	28.7			
02	280	CUBA	44	NS	1310.0E		510.0D		21.0		
	235	CUBA	44	NS	1310.0E		540.0D		6.0		
	245	LEAR	8	S	0030.0	0032.0	2.0	220.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0032.0	0032.0	1.0	10.0			0
	500	HIRA	8	S	0529.0	0529.0	1.0	35.0			0
	600	GORK	41	F	0651.6	0652.1	3.2	15.0			
	600	GORK	41	F	0651.6	0654.7		2.6			
	204	IZMI	42	SER	0651.9	0652.1	0.7	138.0			
	500	HIRA	7	C	0652.0	0655.0	3.0	45.0			0
	245	LEAR	8	S	0652.0	0652.0	U	82.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	0652.0	0652.0	2.0	81.0			QL=4 ST=2 TYP=8
	410	SVTO	48	C	0652.0	0652.0	2.0	150.0			QL=4 ST=2 TYP=8
	900	GORK	41	F	0652.0	0652.1	1.6	3.4			
	900	GORK	41	F	0652.0	0653.4		5.1			
	204	IZMI	42	SER	0653.5	0653.5	0.2	33.0			
	204	IZMI	42	SER	0653.8	0654.2	1.3	86.0			
	245	LEAR	8	S	0654.0	0654.0	U	62.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1605.0	1612.0	27.0U	8.0			
	245	PALE	8	S	1902.0	1902.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2030.0	2030.0	1.0	320.0			QL=4 ST=2 TYP=3
	2800	PENT	20	GRF	2111.0	2133.0	50.0	3.0			
03	235	CUBA	44	NS	1310.0E		520.0D		5.0		
	280	CUBA	44	NS	1310.0E		520.0D		17.0		
	204	IZMI	42	SER	1026.9	1027.2	1.5	96.0			
	245	SVTO	8	S	1027.0	1027.0	U	59.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1027.0	1027.0	1.0	36.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1029.7	1030.2	1.9	42.0			
	204	IZMI	42	SER	1151.5	1151.8	0.5	35.0			
	2800	PENT	21	GRF	1739.0	1754.0	107.0	9.0			
	245	SGMR	8	S	1750.0	1750.0	U	58.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1750.0	1750.0	U	64.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1751.0	1751.0	U	81.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1751.0	1751.0	U	99.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2008.0	2008.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2242.0	2242.0	U	310.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	2326.0	2329.0	8.0	17.1			
	2800	HIRA	1	S	2327.0	2329.0	5.0	20.0			0
	2804	VORO	4	S/F	2327.4	2328.7	4.3	16.7			

S O L A R R A D I O E M I S S I O N
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APRIL 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
04	204	IZMI	43	NS	0600.0		360.0D		5.0		
	235	CUBA	44	NS	1314.0E		466.0D		5.0		
	280	CUBA	44	NS	1314.0E		466.0D		18.0		
	2840	PEKG	45	C	0042.0	0046.6	8.0	4.5			
	2804	VORO	45	C	0043.0	0044.0	2.0	4.0			
	2804	VORO	45	C	0043.0	0046.7	3.7	3.7			
	245	SVTO	8	S	0702.0	0702.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0706.0	0707.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1340.0	1340.0	U	64.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1340.0	1340.0	U	72.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1547.0	1604.0	45.0U	15.0			
	2800	PENT	1	S	2102.0	2107.0	11.0	5.0			
05	2840	PEKG	3	S	0530.0	0546.5	30.0	134.2			
	9100	GORK	21	GRF	0538.5	0601.3	62.7	25.0			
	2800	HIRA	7	C	0539.0	0547.0	14.0	115.0			0
	9100	GORK	46	C	0539.3	0541.2	12.7	60.0			
	9100	GORK	46	C	0539.3	0546.5		70.0			
	9100	GORK	46	C	0539.3	0543.7		65.0			
	2950	GORK	46	C	0539.4	0541.2	13.9	42.0			
	2950	GORK	46	C	0539.4	0546.6		110.0			
	2950	GORK	46	C	0539.4	0543.7		60.0			
	2695	SVTO	4	S/F	0540.0	0546.0	11.0	120.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0540.0	0546.0	12.0	160.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0540.0	0546.0	12.0	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0540.0	0546.0	1100.0	120.0			QL=4 ST=1 TYP=3
	4995	SVTO	4	S/F	0540.0	0546.0	1100.0	160.0			QL=4 ST=1 TYP=3
	8800	SVTO	4	S/F	0540.0	0546.0	1100.0	110.0			QL=4 ST=1 TYP=3
	600	GORK	46	C	0540.4	0546.1		27.0			
	600	GORK	46	C	0540.4	0541.1	16.9	29.0			
	600	GORK	46	C	0540.4	0554.7		23.0			
	4995	LEAR	4	S/F	0541.0	0546.0	7.0	150.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0541.0	0546.0	5.0	74.0			QL=4 ST=2 TYP=3
	500	HIRA	7	C	0541.0	0549.0	16.0	20.0			0
	15400	SVTO	4	S/F	0541.0	0546.0	10.0	37.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0541.0	0546.0	1099.0	150.0			QL=4 ST=1 TYP=3
	15400	SVTO	4	S/F	0541.0	0546.0	1099.0	37.0			QL=4 ST=1 TYP=3
	245	LEAR	8	S	0543.0	0544.0	1.0	180.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0543.0	0546.0	4.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0543.0	0544.0	4.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0543.0	0544.0	1097.0	150.0			QL=4 ST=1 TYP=3
	1415	SVTO	8	S	0545.0	0546.0	2.0	39.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0545.0	0546.0	1095.0	39.0			QL=4 ST=1 TYP=3
	410	SVTO	8	S	0550.0	0550.0	1.0	23.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0902.5	0903.5	3.2	17.0			
	410	SVTO	8	S	0954.0	0954.0	U	78.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1845.0	1851.0	13.0	5.0			
	2804	VORO	2	S/F	2240.6	2241.3	1.9	9.0			
	2800	HIRA	1	S	2241.0	2241.0	1.0	10.0			0
	500	HIRA	42	SER	2241.0	2242.0	4.0	70.0			0
	245	PALE	8	S	2241.0	2242.0	1.0	110.0			QL=4 ST=2 TYP=3
06	900	GORK	42	SER	0527.9	0543.6		32.0			
	600	GORK	42	SER	0527.9	0543.6		32.0			
	900	GORK	42	SER	0527.9	0536.6	16.0	70.0			
	600	GORK	42	SER	0527.9	0536.6	16.0	70.0			
	2840	PEKG	1	S	0534.0	0535.7	4.0	5.9			
	2950	GORK	7	C	0534.4	0534.5	1.4	6.9			
	2950	GORK	7	C	0534.4	0535.6		5.6			
	9100	GORK	2	S/F	0534.5	0535.5	1.5	12.0			
	610	LEAR	8	S	0535.0	0535.0	U	99.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0554.1	0559.4	6.0	13.0			
	204	IZMI	42	SER	0608.3	0610.3	2.5	17.0			
	245	SVTO	8	S	0656.0	0657.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	0714.0	0719.0	8.0	240.0			QL=4 ST=2 TYP=8
	410	SVTO	48	C	0714.0	0721.0	7.0	270.0			QL=4 ST=2 TYP=8
	2950	GORK	1	S	0907.9	0908.2	0.6	5.1			
	33	UPIC	46	C	1232.0	1235.5	15.0				
	245	SGMR	8	S	1234.0	1234.0	1.0	65.0			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

APRIL 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
06	245	SVTO	8	S	1234.0	1234.0	1.0	74.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1306.0	1308.0	7.0	120.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1306.0	1310.0	7.0	72.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	1309.0	1310.0	4.0	69.0			QL=4 ST=2 TYP=3
	33	UPIC	47	GB	1314.0	1318.0	13.0				
	610	SGMR	48	C	1315.0	1320.0	17.0	21000.0			QL=4 ST=2 TYP=8
	410	SGMR	48	C	1316.0	1323.0	16.0	950.0			QL=4 ST=2 TYP=8
	1415	SGMR	48	C	1316.0	1321.0	16.0	17000.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1316.0	1323.0	16.0	720.0			QL=4 ST=2 TYP=8
	410	SVTO	48	C	1316.0	1322.0	10.0	1500.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1316.0	1323.0	15.0	690.0			QL=4 ST=2 TYP=8
	1415	SVTO	48	C	1316.0	1321.0	22.0	14000.0			QL=4 ST=2 TYP=8
	4995	SVTO	48	C	1316.0	1323.0	29.0	1000.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1316.0	1323.0	644.0	720.0			QL=4 ST=1 TYP=8
	2695	SVTO	4	S/F	1316.0	1317.0	644.0	74.0			QL=4 ST=1 TYP=3
	4995	SVTO	4	S/F	1316.0	1317.0	644.0	65.0			QL=4 ST=1 TYP=3
	245	SGMR	8	S	1317.0	1317.0	1.0	54.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1317.0	1323.0	8.0	300.0			QL=4 ST=2 TYP=8
	245	SGMR	48	C	1317.0	1323.0	15.0	310.0			QL=4 ST=2 TYP=8
	4995	SGMR	48	C	1317.0	1323.0	15.0	1000.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1317.0	1323.0	15.0	620.0			QL=4 ST=2 TYP=8
	15400	SGMR	4	S/F	1317.0	1323.0	15.0	290.0			QL=4 ST=2 TYP=3
	8800	SVTO	48	C	1317.0	1323.0	28.0	670.0			QL=4 ST=2 TYP=8
	15400	SVTO	4	S/F	1317.0	1323.0	21.0	260.0			QL=4 ST=2 TYP=3
	4995	SGMR	48	C	1317.0	1323.0	643.0	1000.0			QL=4 ST=1 TYP=8
	8800	SGMR	48	C	1317.0	1323.0	643.0	620.0			QL=4 ST=1 TYP=8
	4995	SGMR	4	S/F	1317.0	1317.0	643.0	89.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	1317.0	1317.0	643.0	42.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1317.0	1318.0	643.0	67.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1317.0	1318.0	643.0	83.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1317.0	1323.0	643.0	290.0			QL=4 ST=1 TYP=3
	8800	SVTO	4	S/F	1317.0	1317.0	643.0	37.0			QL=4 ST=1 TYP=3
	15400	SVTO	4	S/F	1317.0	1318.0	643.0	62.0			QL=4 ST=1 TYP=3
	235	CUBA	7	C	1317.4	1323.2	9.6	9.0	5.0		
	280	CUBA	7	C	1317.4	1323.2	9.6	119.0	59.0		
	610	SGMR	8	S	1344.0	1344.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1354.0	1354.0	3.0	110.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1458.0	1503.0	10.0	4.0			
	245	SGMR	8	S	1640.0	1640.0	U	50.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1753.0	1800.0	12.0	5.0			
	610	SGMR	8	S	1759.0	1759.0	1.0	130.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1800.0	1800.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1800.0	1800.0	U	840.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	1801.0	1801.0	U	830.0			QL=4 ST=2 TYP=6
07	410	SVTO	48	C	1316.0	1322.0	10.0	1500.0			QL=4 ST=2 TYP=8
	610	SVTO	48	C	1316.0	1320.0	17.0	16000.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1316.0	1323.0	15.0	680.0			QL=4 ST=2 TYP=8
	1415	SVTO	48	C	1316.0	1321.0	22.0	14000.0			QL=4 ST=2 TYP=8
	245	SVTO	48	C	1317.0	1323.0	8.0	300.0			QL=4 ST=2 TYP=8
	4995	SVTO	48	C	1317.0	1323.0	17.0	1000.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1317.0	1323.0	28.0	660.0			QL=4 ST=2 TYP=8
	15400	SVTO	4	S/F	1317.0	1323.0	28.0	270.0			QL=4 ST=2 TYP=3
08	235	CUBA	44	NS	1335.0E		440.0D		5.0		
	280	CUBA	44	NS	1335.0E		440.0D		18.0		
	900	GORK	40	F	0700.0	0847.1	168.0	20.0			
	2950	GORK	46	C	0949.0U	1001.0	29.0D	220.0			
	2950	GORK	46	C	0949.0U	1010.5		200.0			
	2950	GORK	46	C	0949.0U	1005.6		70.0			
	204	IZMI	42	SER	0950.3	0954.6	10.5	318.0			
	900	GORK	47	GB	0951.0	1013.2	56.4	8200.0			
	33	UPIC	46	C	0952.0	1004.5	24.0				
	600	GORK	47	GB	0952.7	1013.2	46.0	6100.0			
	3000	IZMI	22	GRF	0957.9	1010.4	16.3	72.0	22.4		
	245	SVTO	8	S	0959.0	0959.0	1.0	32.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0959.0	1001.0	11.0	190.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0959.0	0959.0	841.0	32.0			QL=4 ST=1 TYP=3
	9100	GORK	20	GRF	0959.2	1009.9	60.0D	21.0			

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08	410	SVTO	48	C	1000.0	1007.0	13.0	100.0			QL=4 ST=2 TYP=8
	410	SVTO	4	S/F	1000.0	1000.0	840.0	69.0			QL=4 ST=1 TYP=3
	3000	IZMI	42	SER	1000.5	1001.0	1.9	115.0			
	204	IZMI	41	F	1001.1	1012.2	21.4				
	4995	SVTO	4	S/F	1002.0	1005.0	4.0	41.0			QL=4 ST=2 TYP=3
	1415	SVTO	48	C	1003.0	1012.0	11.0	330.0			QL=4 ST=2 TYP=8
	610	SGMR	8	S	1300.0	1301.0	2.0	110.0			QL=4 ST=2 TYP=3
	33	UPIC	46	C	1304.0	1305.5	4.5				
	410	SVTO	8	S	1305.0	1305.0	U	78.0			QL=4 ST=2 TYP=3
09	235	CUBA	44	NS	1300.0E		530.0D		5.0		
	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	2840	PEKG	5	S	0954.0	0955.1	3.0	10.3			
	204	IZMI	7	C	0957.8	0957.8	0.1	4.0			
	610	SGMR	48	C	2024.0	2033.0	10.0	130.0			QL=4 ST=2 TYP=8
	610	SGMR	4	S/F	2024.0	2028.0	216.0	91.0			QL=4 ST=1 TYP=3
	1415	SGMR	4	S/F	2025.0	2030.0	9.0	39.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2029.0	2029.0	1.0	90.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2033.0	2034.0	1.0	130.0			QL=4 ST=2 TYP=3
10	235	CUBA	44	NS	1320.0E		510.0D		5.0		
	280	CUBA	44	NS	1320.0E		510.0D		17.0		
11	235	CUBA	44	NS	1300.0E		420.0D		5.0		
	280	CUBA	44	NS	1300.0E		511.0D		17.0		
	2840	PEKG	47	GB	0332.0	0414.8	83.0	588.2			
	2804	VORO	4	S/F	0352.2	0410.8	34.3	213.5			
	2800	HIRA	47	GB	0357.0	0415.0	31.0	825.0			0
	610	LEAR	4	S/F	0400.0	0402.0	4.0	160.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	0401.0	0403.0	3.0	140.0			QL=4 ST=2 TYP=3
	245	LEAR	48	C	0407.0	0410.0	3.0	110.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0407.0	0410.0	9.0	110.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0407.0	0410.0	14.0	110.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0407.0	0407.0	17.0	240.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0407.0	0414.0	21.0	920.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0407.0	0407.0	1193.0	240.0			QL=4 ST=1 TYP=8
	2695	LEAR	48	C	0407.0	0414.0	1193.0	920.0			QL=4 ST=1 TYP=8
	1415	LEAR	4	S/F	0407.0	0407.0	1193.0	240.0			QL=4 ST=1 TYP=3
	2695	LEAR	4	S/F	0407.0	0411.0	1193.0	280.0			QL=4 ST=1 TYP=3
	245	PALE	48	C	0408.0	0410.0	3.0	140.0			QL=4 ST=2 TYP=8
	1415	PALE	4	S/F	0408.0	0408.0	3.0	240.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0408.0	0411.0	1192.0	310.0			QL=4 ST=1 TYP=3
	410	LEAR	48	C	0410.0	0412.0	6.0	560.0			QL=4 ST=2 TYP=8
	410	LEAR	48	C	0410.0	0412.0	9.0	560.0			QL=4 ST=2 TYP=8
	245	PALE	48	C	0410.0	0410.0	3.0	140.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0410.0	0415.0	14.0	970.0			QL=4 ST=2 TYP=8
	410	LEAR	4	S/F	0410.0	0410.0	1190.0	100.0			QL=4 ST=1 TYP=3
	410	PALE	48	C	0411.0	0413.0	4.0	580.0			QL=4 ST=2 TYP=8
	4995	LEAR	49	GB	0411.0	0415.0	17.0	570.0			QL=4 ST=2 TYP=6
	8800	LEAR	4	S/F	0411.0	0415.0	17.0	460.0			QL=4 ST=2 TYP=3
	1415	PALE	48	C	0411.0	0416.0	10.0	160.0			QL=4 ST=2 TYP=8
	4995	PALE	48	C	0411.0	0416.0	14.0	650.0			QL=4 ST=2 TYP=8
	4995	LEAR	49	GB	0411.0	0415.0	1189.0	570.0			QL=4 ST=1 TYP=6
	8800	LEAR	4	S/F	0411.0	0415.0	1189.0	460.0			QL=4 ST=1 TYP=3
	410	PALE	4	S/F	0411.0	0411.0	1189.0	91.0			QL=4 ST=1 TYP=3
	4995	PALE	4	S/F	0411.0	0411.0	1189.0	57.0			QL=4 ST=1 TYP=3
	610	LEAR	4	S/F	0412.0	0412.0	4.0	94.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0412.0	0415.0	16.0	220.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	0413.0	0416.0	9.0	400.0			QL=4 ST=2 TYP=8
	610	PALE	8	S	0413.0	0413.0	U	88.0			QL=4 ST=2 TYP=3
	15400	PALE	48	C	0416.0	0416.0	2.0	140.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0624.0	0624.0	U	71.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0624.0	0624.0	1.0	68.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0624.8	0625.0	0.4	9.0			
	245	SGMR	8	S	1947.0	1947.0	U	57.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1948.0	1948.0	U	75.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1949.0	1949.0	U	860.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1949.0	1949.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1950.0	1950.0	U	1400.0			QL=4 ST=2 TYP=6

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

APRIL 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
11	410	PALE	8	S	1950.0	1950.0	U	82.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2120.0	2122.0	2.0	420.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2121.0	2122.0	2.0	670.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	2122.0	2122.0	U	27.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2123.0	2123.0	1.0	320.0			QL=4 ST=2 TYP=3
	2804	VORO	1	S	2221.7	2222.5	1.5	2.9			
	2804	VORO	1	S	2302.8	2305.6	4.7	2.9			
12	235	CUBA	44	NS	1500.0E		412.0D		5.0		
	280	CUBA	44	NS	1500.0E		410.0D		16.0		
	2840	PEKG	1	S	0222.0	0224.1	5.0	5.8			
	500	HIRA	7	C	0223.0	0224.0	3.0	30.0			0
	2804	VORO	8	S	0223.4	0223.7	0.9	7.0			
	204	IZMI	42	SER	0623.8	0625.4	2.4	23.0			
	204	IZMI	41	F	0627.3	0627.5	0.3	72.0			
	900	GORK	42	SER	0643.2	0711.3	64.4	18.0			
	900	GORK	42	SER	0643.2	0718.4		10.0			
	600	GORK	1	S	0721.0	0721.4	0.8	2.4			
	900	GORK	40	F	0912.3	0917.3	11.2	30.0			
	600	GORK	40	F	0912.9	0913.4	1.2	6.1			
	204	IZMI	7	C	0913.6	0913.6	0.2	8.0			
	900	GORK	40	F	0945.4	0946.2	1.8	24.0			
	245	SVTO	49	GB	0951.0	0951.0	U	900.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0951.0	0951.0	U	64.0			QL=4 ST=2 TYP=3
	600	GORK	41	F	0951.0	0951.1	0.5	10.0			
	600	GORK	41	F	0951.0	0951.4		4.5			
	204	IZMI	42	SER	0951.1	0951.1	0.4	603.0			
	900	GORK	8	S	0953.9	0954.0	0.2	58.0			
	900	GORK	40	F	0959.5	1001.6	2.5	12.0			
	600	GORK	40	F	1012.0	1012.9	1.4	7.7			
	204	IZMI	41	F	1050.8	1050.9	0.4	66.0			
	204	IZMI	41	F	1103.2	1103.2	0.3	64.0			
	204	IZMI	41	F	1117.5	1117.7	0.3	109.0			
	245	SGMR	4	S/F	1223.0	1226.0	3.0	89.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1223.0	1226.0	3.0	94.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1225.0	1226.0	1.0	29.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1226.5	1227.0	1.5				
	33	UPIC	46	C	1401.0	1402.0	2.5				
	245	SGMR	8	S	1402.0	1402.0	U	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1402.0	1402.0	U	74.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1708.0	1708.0	U	84.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1836.0	1836.0	U	94.0			QL=4 ST=2 TYP=3
13	235	CUBA	44	NS	1730.0E		240.0D		6.0		
	280	CUBA	44	NS	1730.0E		510.0D		14.0		
	900	GORK	40	F	0616.6	0617.5	1.8	12.0			
	600	GORK	1	S	0617.3	0617.4	0.3	3.6			
	600	GORK	2	S/F	0645.7	0645.9	0.4	9.7			
	900	GORK	2	S/F	0645.8	0645.9	0.3	5.4			
	900	GORK	4	S/F	1035.6	1035.7	0.4	8.1			
	600	GORK	2	S/F	1035.9	1036.0	0.3	1.7			
	245	SGMR	8	S	2232.0	2232.0	U	70.0			QL=4 ST=2 TYP=3
14	235	CUBA	44	NS	1300.0E		482.0D		5.0		
	280	CUBA	44	NS	1300.0E		480.0D		15.0		
	2840	PEKG	1	S	0230.0	0232.7	5.0	3.5			
	1415	LEAR	8	S	0232.0	0232.0	U	65.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0233.0	0233.0	1.0	10.0			0
	900	GORK	40	F	0643.1	0643.1	1.4	2.3			
	600	GORK	2	S/F	0643.2	0643.3	0.8	4.5			
	900	GORK	1	S	0810.0	0810.2	0.3	3.3			
	600	GORK	2	S/F	0810.2	0810.8	1.2	3.4			
	900	GORK	40	F	1018.5	1019.4	2.3	5.5			
	600	GORK	3	S	1018.6	1018.8	0.4	6.1			
	500	HIRA	8	S	2120.0	2121.0	3.0	30.0			0
	410	SGMR	8	S	2120.0	2120.0	U	57.0			QL=4 ST=2 TYP=3
15	235	CUBA	44	NS	1305.0E		525.0D		7.0		
	280	CUBA	44	NS	1305.0E		525.0D		16.0		

SOLAR RADIO EMISSION
Outstanding Occurrences

APRIL 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
15	245	SGMR	43	NS	1352.0	1439.0	63.0	75.0			QL=4 ST=2 TYP=1
	410	PALE	8	S	0143.0	0144.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0550.0	0550.0	3.0	170.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0608.0	0611.0	3.0	150.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0613.9	0616.1	3.2	192.0			
	245	SVTO	8	S	0615.0	0616.0	1.0	54.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0626.0	0626.0	1.0	300.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0626.7	0626.9	0.3	11.0			
	900	GORK	42	SER	0642.5	0707.1		11.0			
	900	GORK	42	SER	0642.5	0642.7	24.9	6.8			
	600	GORK	41	F	0647.8	0657.4		2.6			
	600	GORK	41	F	0647.8	0648.8	9.9	2.6			
	9100	GORK	4	S/F	0652.6	0653.3	0.9	16.0			
	500	HIRA	8	S	0706.0	0706.0	1.0	20.0			0
	900	GORK	41	F	0726.3	0726.5	0.7	4.4			
	900	GORK	41	F	0726.3	0726.8		5.6			
	9100	GORK	46	C	0726.4	0727.0	1.1	74.0			
	9100	GORK	46	C	0726.4	0727.1		76.0			
	204	IZMI	42	SER	0732.2	0732.3	0.5	37.0			
	600	GORK	41	F	0732.3	0733.0		2.7			
	600	GORK	41	F	0732.3	0732.6	0.9	4.0			
	500	HIRA	8	S	0733.0	0733.0	1.0	105.0			0
	900	GORK	42	SER	0821.2	0821.7	26.8	16.0			
	900	GORK	42	SER	0821.2	0829.8		27.0			
	900	GORK	42	SER	0821.2	0836.8		60.0			
	600	GORK	41	F	0829.6	0829.7	6.8	52.0			
	600	GORK	41	F	0829.6	0830.9		15.0			
	204	IZMI	41	F	0829.7	0829.8	0.5	391.0			
	500	HIRA	8	S	0830.0	0830.0	1.0	270.0			0
	245	SVTO	8	S	0903.0	0904.0	1.0	79.0			QL=4 ST=2 TYP=3
	900	GORK	41	F	0921.7	0925.4	6.1	15.0			
	900	GORK	41	F	0921.7	0927.4		17.0			
	410	SVTO	49	GB	0939.0	0939.0	1.0	520.0			QL=4 ST=2 TYP=6
	245	SVTO	4	S/F	0939.0	0943.0	7.0	160.0			QL=4 ST=2 TYP=3
	900	GORK	41	F	0939.3	0941.1	4.3	25.0			
	900	GORK	41	F	0939.3	0942.5		10.0			
	600	GORK	40	F	0939.4	0939.5	4.7	52.0			
	204	IZMI	42	SER	0939.6	0939.6	2.9	55.0			
	2840	PEKG	5	S	0940.0	0942.3	7.0	28.9			
	9100	GORK	46	C	0941.6	0944.1		56.0			
	9100	GORK	46	C	0941.6	0942.4	2.7	10.0			
	2950	GORK	46	C	0941.9	0942.2	1.7	26.0			
	2950	GORK	46	C	0941.9	0942.4		8.0			
	2695	SVTO	8	S	0942.0	0942.0	U	49.0			QL=4 ST=2 TYP=3
	3000	IZMI	20	GRF	0942.1	0942.2	0.2	12.0	2.7		
	204	IZMI	41	F	0943.1	0943.3	0.5	154.0			
	204	IZMI	42	SER	0945.3	0946.6	2.0	169.0			
	410	SVTO	4	S/F	1120.0	1123.0	3.0	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1123.0	1123.0	U	49.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1123.0	1123.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1123.0	1123.0	U	52.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1123.3	1126.6	7.3	71.0			
	245	SVTO	8	S	1352.0	1353.0	1.0	65.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1610.0	1610.0	U	69.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1619.0	1620.0	1.0	130.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1640.0	1641.0	3.0	480.0			QL=4 ST=2 TYP=3
	235	CUBA	7	C	1640.1	1642.7	4.6	8.0	4.0		
	280	CUBA	7	C	1640.1	1642.7	4.6	21.0	11.0		
	610	SGMR	8	S	1641.0	1642.0	2.0	230.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1641.0	1642.0	2.0	160.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1641.0	1642.0	2.0	70.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1641.0	1642.0	2.0	330.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1641.0	1643.0	3.0	410.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1641.0	1642.0	3.0	180.0			QL=4 ST=2 TYP=3
	410	SVTO	49	GB	1641.0	1641.0	2.0	720.0			QL=4 ST=2 TYP=6
	1415	SVTO	8	S	1641.0	1641.0	2.0	120.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1641.0	1642.0	2.0	53.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1641.0	1642.0	2.0	280.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1641.0	1642.0	3.0	480.0			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

APRIL 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
15	610	SVTO	4	S/F	1641.0	1642.0	6.0	200.0			QL=2 ST=2 TYP=3
	9500	CUBA	4	S/F	1641.2	1642.7	3.9	195.0	97.0		
	410	PALE	8	S	1642.0	1642.0	1.0	480.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1642.0	1642.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	1642.0	1643.0	3.0	390.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1642.0	1642.0	1.0	70.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1642.0	1642.0	U	57.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1642.0	1642.0	1.0	140.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1643.0	1643.0	U	170.0			QL=4 ST=2 TYP=3
	410	PALE	48	C	1839.0	1844.0	8.0	700.0			QL=4 ST=2 TYP=8
	1415	PALE	4	S/F	1842.0	1843.0	3.0	170.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1844.0	1844.0	1.0	260.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1844.0	1844.0	2.0	260.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	2159.0	2203.0	5.0	10.0			0
16	235	CUBA	44	NS	1330.0E		330.0D		5.0		
	280	CUBA	44	NS	1330.0E		330.0D		14.0		
	245	SVTO	8	S	0558.0	0558.0	1.0	130.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0558.0	0558.0	1.0	440.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0558.0	0558.8	2.1	53.0			
	204	IZMI	42	SER	1024.0	1024.3	1.5	132.0			
	204	IZMI	42	SER	1026.2	1026.5	0.7	53.0			
	204	IZMI	42	SER	1027.7	1027.9	1.1	26.0			
17	235	CUBA	44	NS	1400.0E		300.0D		5.0		
	280	CUBA	44	NS	1400.0E		300.0D		14.0		
	410	PALE	8	S	0020.0	0020.0	U	52.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0026.0	0026.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0130.0	0131.0	1.0	87.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0705.8	0705.8	0.2	49.0			
	204	IZMI	41	F	0817.3	0817.7	0.4	65.0			
	204	IZMI	7	C	0837.9	0838.1	0.3	12.0			
	204	IZMI	41	F	0905.4	0906.1	0.9	26.0			
	204	IZMI	42	SER	0918.4	0919.5	1.4	58.0			
	245	SVTO	8	S	0919.0	0919.0	U	54.0			QL=4 ST=2 TYP=3
	900	GORK	40	F	0950.1	0950.5	0.7	3.4			
	600	GORK	2	S/F	0950.3	0950.7	0.8	11.0			
	204	IZMI	42	SER	1001.5	1001.7	0.3	36.0			
	204	IZMI	42	SER	1026.7	1027.6	2.1	39.0			
	245	SVTO	8	S	1525.0	1526.0	1.0	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1526.0	1526.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1830.0	1830.0	U	63.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1831.0	1831.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1835.0	1836.0	1.0	97.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1836.0	1836.0	U	85.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1919.0	1920.0	1.0	95.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1920.0	1920.0	U	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2025.0	2025.0	U	61.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2111.0	2111.0	U	92.0			QL=4 ST=2 TYP=3
18	235	CUBA	44	NS	1310.0E		470.0D		5.0		
	280	CUBA	44	NS	1310.0E		470.0D		13.0		
	204	IZMI	41	F	0609.2	0609.3	0.2	59.0			
	204	IZMI	41	F	0717.1	0717.3	0.4	71.0			
	204	IZMI	41	F	0911.1	0911.4	0.5	100.0			
	900	GORK	41	F	0933.3	0936.1		18.0			
	900	GORK	41	F	0933.3	0933.6	3.5	15.0			
	600	GORK	46	C	0937.9	0938.2	0.7	21.0			
	600	GORK	46	C	0937.9	0938.4		7.3			
	204	IZMI	42	SER	1119.4	1119.6	0.3	32.0			
	245	SGMR	8	S	1200.0	1200.0	U	61.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1200.0	1200.0	U	25.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1200.0	1200.0	U	56.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1200.0	1200.0	U	37.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1417.0	1417.0	U	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1417.0	1417.0	U	58.0			QL=4 ST=2 TYP=3
	2800	PENT	8	S	1457.0	1458.0	2.0	6.0			
	410	SGMR	8	S	1458.0	1458.0	U	410.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1458.0	1458.0	U	410.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

APRIL 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
19	235	CUBA	44	NS	1430.0E		385.0D		5.0		
	280	CUBA	44	NS	1430.0E		385.0D		15.0		
	2800	PENT	4	S/F	0026.0	0034.0	16.0	6.0			
	2840	PEKG	45	C	0029.0	0034.5	10.0	10.0			
	2804	VORO	23	GRF	0030.1	0129.4	177.5	6.7			
	2804	VORO	45	C	0030.1	0033.9	5.2	7.2			
	2800	HIRA	1	S	0032.0	0035.0	5.0	10.0			0
	2800	PENT	29	PBI	1806.0	1828.0	86.0U	34.0			
	9500	CUBA	21	GRF	1825.8	1833.6	56.0	10.0	5.0		
	9500	CUBA	1	S	1827.4	1828.2	3.9	16.0	8.0		
	245	SGMR	8	S	1907.0	1907.0	U	57.0			QL=4 ST=2 TYP=3
20	235	CUBA	44	NS	1305.0E		525.0D		5.0		
	280	CUBA	44	NS	1305.0E		525.0D		16.0		
	245	LEAR	8	S	0546.0	0546.0	1.0	73.0			QL=4 ST=2 TYP=3
	900	GORK	41	F	0752.9	0753.3	3.0	35.0			
	900	GORK	41	F	0752.9	0754.4		7.7			
	600	GORK	7	C	0757.4	0757.5	0.6	3.6			
	600	GORK	7	C	0757.4	0757.7		4.7			
	204	IZMI	7	C	0824.9	0825.3	0.6	10.0			
	900	GORK	3	S	0906.9	0907.0	0.2	5.4			
	600	GORK	41	F	0907.1	0907.4	2.9	11.0			
	600	GORK	41	F	0907.1	0909.7		7.3			
21	235	CUBA	44	NS	1303.0E		417.0D		10.0		
	280	CUBA	44	NS	1303.0E		417.0D		15.0		
	245	SGMR	43	NS	1634.0	1737.0	81.0	73.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1733.0	1738.0	117.0	96.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1733.0	1735.0	387.0	58.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1733.0	1738.0	387.0	96.0			QL=4 ST=1 TYP=1
	410	SGMR	43	NS	1744.0	1744.0	6.0	62.0			QL=4 ST=3 TYP=1
	410	PALE	43	NS	1746.0	1746.0	33.0	51.0			QL=4 ST=2 TYP=1
	410	PALE	8	S	0027.0	0027.0	U	52.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0507.0	0508.0	1.0	10.0			0
	410	LEAR	8	S	0507.0	0507.0	U	160.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0507.0	0507.0	U	68.0			QL=4 ST=2 TYP=3
	900	GORK	40	F	0539.2	0539.6	5.6	3.9			
	900	GORK	40	F	0539.2	0544.6		5.8			
	2840	PEKG	1	S	0905.0	0907.1	4.0	9.1			
	600	GORK	40	F	0939.9	0940.3	0.7	3.3			
	900	GORK	1	S	0940.1	0940.3	0.4	2.0			
	600	GORK	41	F	1026.6	1028.3		3.3			
	600	GORK	41	F	1026.6	1026.9	2.0	3.3			
	245	SGMR	4	S/F	1618.0	1624.0	6.0	56.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1621.0	1621.0	U	23.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1623.0	1623.0	U	21.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1628.0	1628.0	U	77.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	2114.0	2114.0	1.0	15.0			
	500	HIRA	42	SER	2338.0	2339.0	3.0	35.0			
	410	LEAR	8	S	2338.0	2339.0	1.0	350.0			QL=4 ST=2 TYP=3
	2804	VORO	8	S	2351.0	2351.2	0.5	10.0			
22	204	IZMI	43	NS	0600.0		360.0D		30.0		
	245	SGMR	43	NS	1129.0	1152.0	224.0	280.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1129.0	1129.0	751.0	61.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1129.0	1137.0	751.0	100.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1129.0	1152.0	751.0	280.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1134.0	1152.0	59.0	240.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1320.0E		510.0D		5.0		
	280	CUBA	44	NS	1320.0E		510.0D		17.0		
	245	SVTO	43	NS	1346.0	1400.0	15.0	110.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1953.0	2047.0	54.0	100.0			QL=4 ST=2 TYP=1
	2840	PEKG	1	S	0010.0	0012.7	5.0	9.9			
	500	HIRA	47	GB	0012.0	0012.0	1.0	580.0			
	410	LEAR	49	GB	0012.0	0012.0	U	2400.0			QL=4 ST=2 TYP=6
	610	LEAR	8	S	0012.0	0012.0	U	390.0			QL=4 ST=2 TYP=3
	2804	VORO	1	S	0021.0	0021.6	1.3	2.4			
	410	PALE	8	S	0039.0	0041.0	2.0	180.0			QL=4 ST=2 TYP=3
	500	HIRA	7	C	0040.0	0041.0	2.0	75.0			

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

APRIL 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
22	410	LEAR	8	S	0040.0	0040.0	U	97.0			QL=4 ST=2 TYP=3
	2804	VORO	1	S	0152.5	0154.0	2.6	3.6			
	2804	VORO	4	S/F	0203.3	0205.7	5.0	33.2			
	2804	VORO	29	PBI	0208.3	0210.9	23.3	4.6			
	500	HIRA	8	S	0209.0	0209.0	1.0	15.0			
	2840	PEKG	5	S	0215.0	0217.7	5.0	40.3			
	2800	HIRA	3	S	0217.0	0218.0	3.0	40.0			
	4995	PALE	8	S	0218.0	0218.0	U	54.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0445.0	0445.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0445.0	0445.0	1.0	93.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0458.0	0458.0	U	65.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0644.0	0644.0	1.0	10.0			
	245	LEAR	8	S	0839.0	0839.0	U	55.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0850.0	0850.0	U	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0903.0	0903.0	U	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0907.0	0907.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0919.0	0920.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0936.0	0936.0	U	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1129.0	1129.0	U	73.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1324.0	1324.0	U	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1613.0	1613.0	U	76.0			QL=4 ST=2 TYP=3
	2800	PENT	8	S	1922.0	1926.0	7.0	40.0			
	2695	SGMR	8	S	1924.0	1926.0	2.0	67.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1925.0	1925.0	U	31.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1925.0	1926.0	1.0	35.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1926.0	1926.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1954.0	1954.0	U	89.0			QL=4 ST=2 TYP=3
23	235	CUBA	44	NS	1300.0E		420.0D		7.0		
	280	CUBA	44	NS	1300.0E		420.0D		13.0		
	245	PALE	43	NS	1958.0	2044.0	52.0	73.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0120.0	0120.0	1.0	62.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0121.0	0121.0	U	86.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0451.0	0454.2	8.0	8.3			
	9100	GORK	46	C	0749.8	0752.3		11.0			
	9100	GORK	46	C	0749.8	0751.7	3.9	10.0			
	2950	GORK	7	C	0751.4	0752.1		6.3			
	2950	GORK	7	C	0751.4	0751.7	1.2	3.8			
	9100	GORK	46	C	0754.2	0757.0		24.0			
	9100	GORK	46	C	0754.2	0755.2	7.0	10.0			
	2840	PEKG	45	C	0755.0	0757.1	8.0	5.7			
	600	GORK	40	F	0756.0	0757.3	1.7	8.3			
	900	GORK	46	C	0756.5	0757.4		20.0			
	900	GORK	46	C	0756.5	0756.7	1.3	18.0			
	2950	GORK	46	C	0756.6	0757.5	5.8	9.0			
	2950	GORK	46	C	0756.6	0800.8		7.6			
	900	GORK	41	F	0800.0	0800.1	1.2	5.6			
	600	GORK	7	C	0800.0	0800.1	1.2	5.5			
	900	GORK	41	F	0800.0	0800.8		21.0			
	600	GORK	7	C	0800.0	0800.8		8.3			
	900	GORK	41	F	1039.4	1039.5	1.5	19.0			
	900	GORK	41	F	1039.4	1040.7		6.7			
	9100	GORK	46	C	1040.5	1043.5	8.5	11.0			
	9100	GORK	46	C	1040.5	1046.9		10.0			
	600	GORK	41	F	1041.6	1043.0	2.5	7.0			
	600	GORK	41	F	1041.6	1043.4		8.3			
	900	GORK	40	F	1042.6	1043.9	4.3	30.0			
	2950	GORK	41	F	1043.1	1043.8	4.5	10.0			
	2950	GORK	41	F	1043.1	1046.8		3.7			
	3000	IZMI	20	GRF	1149.8	1150.2	1.3	10.0	5.0		
	2800	PENT	1	S	1558.0	1605.0	14.0	13.0			
	9500	CUBA	2	S/F	1605.2	1605.5	1.4	14.0	7.0		
	245	PALE	8	S	1821.0	1822.0	1.0	68.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1822.0	1822.0	U	55.0			QL=4 ST=3 TYP=3
	2800	PENT	29	PBI	2102.0	2109.0	56.0	143.0			
	2800	HIRA	3	S	2109.0	2110.0	8.0	135.0			0
	2695	PALE	8	S	2109.0	2109.0	1.0	150.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2109.0	2109.0	1.0	260.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2109.0	2109.0	1.0	220.0			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

APRIL 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
23	15400	PALE	8	S	2109.0	2109.0	U	310.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2109.0	2109.0	U	43.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	2109.0	2109.0	U	38.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	2109.0	2109.0	1.0	38.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2109.0	2109.0	1.0	250.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	2109.0	2109.0	1.0	290.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2109.0	2109.0	4.0	140.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2109.0	2109.0	4.0	270.0			QL=4 ST=2 TYP=3
	9500	CUBA	3	S	2109.1	2109.5	6.2	222.0	111.0		
24	204	IZMI	43	NS	0600.0		360.0D		20.0		
	235	CUBA	44	NS	1305.0E		415.0D		5.0		
	280	CUBA	44	NS	1305.0E		415.0D		12.0		
	2840	PEKG	5	S	0513.0	0514.5	4.0	21.7			
	2800	HIRA	1	S	0514.0	0515.0	4.0	15.0			0
	2950	GORK	1	S	0555.2	0555.6	0.8	3.9			
	600	GORK	42	SER	0812.0	0812.1	38.7	6.7			
	600	GORK	42	SER	0812.0	0833.6		4.1			
	900	GORK	42	SER	0812.5	0833.4		125.0			
	900	GORK	42	SER	0812.5	0812.5	38.5	160.0U			
	204	IZMI	42	SER	0830.4	0831.4	2.8	66.0			
	2800	PENT	1	S	1521.0	1525.0	8.0	4.0			
	8800	SGMR	8	S	1525.0	1525.0	U	32.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1525.0	1525.0	U	72.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1525.0	1525.0	U	34.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1525.0	1525.0	U	85.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1525.1	1525.5	4.1	31.0	15.0		
	2800	PENT	1	S	1621.0	1625.0	8.0	5.0			
	1415	PALE	8	S	1716.0	1717.0	1.0	78.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1716.0	1717.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2041.0	2041.0	U	150.0			QL=4 ST=2 TYP=3
25	204	IZMI	44	NS	0600.0E		135.0D		10.0		
	280	CUBA	44	NS	1400.0E		420.0D		17.0		
	235	CUBA	44	NS	1400.0E		450.0D		6.0		
	2804	VORO	1	S	0128.1	0128.9	1.8	5.7			
	2840	PEKG	5	S	0140.0	0143.3	6.0	12.2			
	9100	GORK	21	GRF	0529.3	0537.8	81.7	20.0			
	2840	PEKG	20	GRF	0532.0	0537.8	14.0	6.6			
	9100	GORK	3	S	0537.4	0537.5	0.3	8.1			
	2950	GORK	1	S	0537.5	0537.7	0.7	4.0			
	900	GORK	8	S	0538.1	0538.2	0.2	175.0U			
	204	IZMI	7	C	0826.3	0826.3	0.1	101.0			
	204	IZMI	42	SER	0845.3	0846.6	2.5	62.0			
	245	LEAR	49	GB	0909.0	0909.0	U	1400.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0909.0	0909.0	1.0	2900.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0909.0	0909.0	U	140.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0909.4	0909.5	0.6	527.0	19.3		
	204	IZMI	7	C	0932.3	0932.4	0.2	47.0			
	900	GORK	42	SER	1000.8	1002.6	23.6	140.0			
	900	GORK	42	SER	1000.8	1015.7		37.0			
	600	GORK	42	SER	1003.7	1024.8		42.0			
	600	GORK	42	SER	1003.7	1003.8	20.7	45.0			
	2950	GORK	20	GRF	1009.0	1054.0	45.0D	3.7			
	9100	GORK	20	GRF	1011.0	1014.4	35.0	10.0			
	204	IZMI	41	F	1015.1	1015.2	0.3	15.0			
	2800	PENT	20	GRF	1408.0	1452.0	84.0	5.0			
26	235	CUBA	44	NS	1325.0E		505.0D		6.0		
	280	CUBA	44	NS	1325.0E		525.0D		15.0		
27	204	IZMI	43	NS	0805.0		235.0D		25.0		
	245	SGMR	43	NS	1106.0	1106.0	49.0	61.0			QL=4 ST=2 TYP=1
	9100	GORK	7	C	0644.1	0644.4	0.8	9.0			
	9100	GORK	7	C	0644.1	0644.6		13.0			
	600	GORK	46	C	0708.5	0734.3		35.0			
	600	GORK	46	C	0708.5	0715.5		110.0			
	600	GORK	46	C	0708.5	0712.5	31.9	65.0			
	2800	HIRA	20	GRF	0709.0	0728.0	57.0	10.0			0

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

APRIL 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
27	900	GORK	46	C	0709.0	0734.1		50.0			
	900	GORK	46	C	0709.0	0728.3		42.0			
	900	GORK	46	C	0709.0	0712.5	30.4	42.0			
	2950	GORK	21	GRF	0709.6	0727.5	96.8	17.0			
	500	HIRA	7	C	0711.0	0716.0	25.0	35.0			0
	204	IZMI	41	F	0711.9	0712.2	1.0	30.0			
	245	SVTO	4	S/F	0712.0	0717.0	7.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0712.0	0717.0	7.0	45.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	0712.0	0715.0	5.0	83.0			QL=2 ST=2 TYP=3
	3000	IZMI	20	GRF	0712.0	0733.6	39.8	23.0			
	204	IZMI	42	SER	0714.1	0714.6	1.1	24.0			
	610	LEAR	8	S	0715.0	0715.0	U	79.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0715.9	0717.2	6.4	862.0			
	245	LEAR	8	S	0717.0	0717.0	1.0	120.0			QL=4 ST=2 TYP=3
	33	UPIC	48	C	0718.0	0724.0	9.0				
	2950	GORK	2	S/F	0718.8	0719.9	1.8	6.6			
	9100	GORK	20	GRF	0719.3	0734.6	30.5	9.1			
	245	SVTO	8	S	0722.0	0722.0	U	51.0			QL=4 ST=2 TYP=3
	900	GORK	42	SER	0802.2	0808.0	29.6	37.0			
	900	GORK	42	SER	0802.2	0809.2		11.0			
	245	SVTO	4	S/F	0806.0	0808.0	6.0	54.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0806.0	0812.0	6.0	52.0			QL=4 ST=2 TYP=3
	600	GORK	41	F	0807.7	0808.0	2.6	13.0			
	600	GORK	41	F	0807.7	0809.5		19.0			
	500	HIRA	7	C	0808.0	0810.0	9.0	15.0			WR
	245	SVTO	4	S/F	0909.0	0915.0	11.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1048.0	1048.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1056.0	1056.0	U	61.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1106.0	1106.0	U	63.0			QL=2 ST=2 TYP=3
28	900	GORK	40	F	0832.0	0832.4	0.8	4.4			
	600	GORK	40	F	0832.3	0832.5	0.6	7.6			
	9100	GORK	5	S	0852.0	0855.4	5.3	7.0			
	600	GORK	2	S/F	0905.1	0905.4	0.6	18.0			
	900	GORK	2	S/F	0935.2	0935.4	0.4	3.5			
30	2950	GORK	2	S/F	0543.1	0545.4	4.2	5.6			
	900	GORK	46	C	0543.2	0544.3		7.7			
	900	GORK	46	C	0543.2	0543.4	3.7	19.0			
	9100	GORK	2	S/F	0544.3	0548.0	7.2	3.9			
	600	GORK	7	C	0544.6	0545.0	2.4	5.3			
	600	GORK	7	C	0544.6	0546.3		7.9			
	500	HIRA	7	C	0545.0	0547.0	7.0	20.0			0
	900	GORK	41	F	1002.8	1003.0	1.5	10.0			
	900	GORK	41	F	1002.8	1004.2		11.0			
	600	GORK	4	S/F	1004.3	1004.6	0.5	32.0			
	410	PALE	8	S	1637.0	1637.0	U	70.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1637.0	1637.0	U	62.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1637.0	1637.0	U	100.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1813.0	1813.0	U	50.0			QL=4 ST=2 TYP=3