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

JUNE 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	204	IZMI	43	NS	0800.0		240.0D		5.0		
	127	TORN	44	NS	1200.0E		140.0D		6.0		V=1
	280	CUBA	44	NS	1300.0E		530.0D		19.0		
	235	CUBA	44	NS	1300.0E		530.0D		10.0		
	5730	IRKU	1	S	0007.3	0007.7	6.7	4.0	U		
	2840	PEKG	3	S	0608.0	0613.0	22.0	293.6			
	3000	IZMI	45	C	0609.5	0612.5	54.7	564.0			
	2950	GORK	4	S/F	0609.9	0611.6U	8.1	120.0U			
	2800	HIRA	6	S	0610.0	0612.0	8.0	340.0			0
	5730	IRKU	46	C	0610.0	0612.5	78.0	408.0	U		
	8800	LEAR	4	S/F	0611.0	0612.0	3.0	190.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0611.0	0612.0	6.0	480.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0611.0	0612.0	2.0	51.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0611.0	0612.0	2.0	41.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0611.0	0612.0	6.0	420.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0611.0	0612.0	2.0	190.0			QL=4 ST=2 TYP=3
	4995	SVTO	49	GB	0611.0	0612.0	6.0	500.0			QL=4 ST=2 TYP=6
	1415	SVTO	8	S	0611.0	0612.0	2.0	37.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	0611.0	0612.0	3.0	67.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0611.0	0612.0	6.0	420.0			QL=4 ST=2 TYP=3
	4995	SVTO	49	GB	0611.0	0612.0	1069.0	500.0			QL=4 ST=1 TYP=6
	15400	SVTO	4	S/F	0611.0	0612.0	1069.0	67.0			QL=4 ST=1 TYP=3
	2695	SVTO	4	S/F	0611.0	0612.0	1069.0	420.0			QL=4 ST=1 TYP=3
	8800	SVTO	4	S/F	0611.0	0612.0	1069.0	190.0			QL=4 ST=1 TYP=3
	1415	SVTO	4	S/F	0611.0	0612.0	1069.0	37.0			QL=4 ST=1 TYP=3
	3000	IZMI	46	C	0715.5	0731.1	38.8	780.0			
	2840	PEKG	47	GB	0728.0	0731.0	13.0	439.6			
	245	SVTO	4	S/F	0728.0	0737.0	10.0	160.0			QL=2 ST=2 TYP=3
	5730	IRKU	46	C	0728.3	0729.1	23.2	234.0	U		
	500	HIRA	46	C	0729.0	0732.0	6.0	30.0			0
	2800	HIRA	47	GB	0729.0	0731.0	6.0	600.0			MR
	600	GORK	46	C	0729.0	0732.2	5.0	95.0			
	600	GORK	46	C	0729.0	0732.6		110.0			
	2950	GORK	4	S/F	0729.2	0731.4	7.4	210.0			
	900	GORK	3	S	0729.7	0731.8	5.6	125.0			
	2695	LEAR	49	GB	0730.0	0731.0	3.0	620.0			QL=4 ST=2 TYP=6
	1415	LEAR	8	S	0730.0	0731.0	2.0	97.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0730.0	0731.0	2.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0730.0	0731.0	6.0	120.0			QL=4 ST=2 TYP=3
	2695	SVTO	49	GB	0730.0	0731.0	3.0	610.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	0730.0	0731.0	990.0	610.0			QL=4 ST=1 TYP=6
	4995	LEAR	8	S	0731.0	0732.0	2.0	190.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0731.0	0731.0	1.0	43.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0731.0	0731.0	3.0	60.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0731.0	0731.0	1.0	120.0			QL=2 ST=2 TYP=3
	610	LEAR	8	S	0731.0	0732.0	2.0	93.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0731.0	0731.0	U	170.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0731.0	0732.0	3.0	220.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0731.0	0732.0	1.0	130.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0731.0	0731.0	1.0	29.0			QL=4 ST=2 TYP=3
	200	HIRA	4	S/F	0733.0	0734.0	2.0	60.0			WL
	204	IZMI	45	C	0733.4	0733.8	11.3	132.0			
	204	IZMI	42	SER	0921.8	0924.2	2.5	47.0			
	204	IZMI	42	SER	0926.9	0929.8	9.8	101.0			
02	235	CUBA	44	NS	1300.0E		360.0D		11.0		
	280	CUBA	44	NS	1300.0E		360.0D		22.0		
	245	SGMR	43	NS	1336.0	1337.0	100.0	120.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1336.0	1337.0	624.0	120.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1353.0	1354.0	29.0	100.0			QL=2 ST=2 TYP=1
	245	SVTO	43	NS	1353.0	1354.0	607.0	100.0			QL=2 ST=1 TYP=1
	245	SGMR	43	NS	1840.0	1909.0	32.0	350.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1840.0	1845.0	320.0	72.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1841.0	1909.0	31.0	240.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1841.0	1850.0	319.0	85.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1959.0	2000.0	72.0	100.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1959.0	2000.0	241.0	100.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	2000.0	2052.0	57.0	740.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	2000.0	2000.0	240.0	100.0			QL=4 ST=1 TYP=1

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

JUNE 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
02	2840	PEKG	3	S	0336.0	0345.3	30.0	91.5			
	2800	HIRA	46	C	0337.0	0345.0	17.0	60.0			0
	2950	GORK	4	S/F	0337.5	0345.0	18.1	85.0			
	2950	GORK	23	GRF	0337.5	0400.3	85.5	20.0			
	5730	IRKU	45	C	0338.5	0410.0	139.0	100.0	U		
	2695	LEAR	20	GRF	0341.0	0349.0	13.0	91.0			QL=4 ST=2 TYP=2
	4995	LEAR	4	S/F	0341.0	0344.0	15.0	120.0			QL=4 ST=2 TYP=3
	600	GORK	40	F	0342.7	0343.6	2.3	100.0			
	900	GORK	23	GRF	0342.8	0346.4	12.8	11.0			
	8800	LEAR	4	S/F	0343.0	0344.0	13.0	57.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0343.0	0345.0	11.0	140.0			QL=2 ST=2 TYP=3
	2695	SVTO	4	S/F	0343.0	0345.0	11.0	91.0			QL=2 ST=2 TYP=3
	15400	LEAR	46	C	0344.0	0348.0	9.0	44.0			QL=4 ST=2 TYP=8
	8800	SVTO	8	S	0344.0	0344.0U	2.0	47.0			QL=2 ST=2 TYP=3
	1415	LEAR	8	S	0346.0	0346.0	U	30.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0347.0	0351.0U	6.0	53.0			QL=2 ST=2 TYP=3
	900	GORK	3	S	0348.0	0348.1	0.2	7.7			
	245	LEAR	8	S	0356.0	0356.0	U	170.0			QL=2 ST=2 TYP=3
	4995	SVTO	4	S/F	0407.0	0409.0	10.0	140.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0407.2	0410.1	11.9	120.0			
	2800	HIRA	46	C	0408.0	0410.0	7.0	80.0			0
	4995	LEAR	4	S/F	0408.0	0409.0	6.0	130.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0408.0	0410.0	5.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0408.0	0410.0	6.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0408.0	0409.0	7.0	62.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0408.0	0410.0	6.0	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0408.0	0410.0	7.0	120.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0408.0	0410.8	9.0	97.0			
	900	GORK	45	C	0408.3	0412.0		23.0			
	900	GORK	45	C	0408.3	0410.2	7.8	35.0			
	600	GORK	4	S/F	0408.5	0409.9	5.6	12.0			
	15400	LEAR	8	S	0409.0	0409.0	2.0	67.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0409.0	0409.0	3.0	74.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0411.0	0411.0	U	27.0			QL=2 ST=2 TYP=3
	900	GORK	22	GRF	0427.0	0427.3	8.0	8.7			
	5730	IRKU	45	C	0623.7	0704.1	96.3	61.0	U		
	2950	GORK	21	GRF	0638.1	0658.5	44.7	8.4			
	15400	LEAR	4	S/F	0703.0	0710.0	8.0	71.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0703.0	0705.0	8.0	39.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0703.0	0709.0	8.0	51.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0703.0	0705.0	5.0	56.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0703.0	0705.0	3.0	36.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0703.0	0704.0	2.0	28.0			QL=4 ST=2 TYP=3
	3000	IZMI	7	C	0703.5	0705.2	4.6	15.0			
	2950	GORK	2	S/F	0704.0U	0705.1	2.4D	8.4			
	2950	GORK	3	S	0819.1	0819.7	0.6	5.7			
	5730	IRKU	1	S	0830.5	0832.0	2.8	5.0	U		
	245	LEAR	8	S	0831.0	0831.0	1.0	460.0			QL=2 ST=2 TYP=3
	245	SVTO	49	GB	0831.0	0831.0	1.0	3700.0			QL=4 ST=2 TYP=6
	245	LEAR	4	S/F	0831.0	0831.0	929.0	460.0			QL=2 ST=1 TYP=3
	245	SVTO	49	GB	0831.0	0831.0	929.0	3700.0			QL=4 ST=1 TYP=6
	204	IZMI	45	C	0831.5	0831.8	0.9	1154.0			
	204	IZMI	42	SER	0836.4	0840.7	5.9	41.0			
	245	SVTO	8	S	0903.0E	0905.0	2.0D	340.0			QL=4 ST=2 TYP=3
	33	UPIC	42	SER	1102.0	1402.0	190.5				
	204	IZMI	42	SER	1204.2	1206.8	4.4	30.0			
	245	SGMR	8	S	1237.0	1237.0	2.0	210.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1237.0	1237.0	1.0	210.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1330.0	1330.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1332.0	1333.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1332.0	1333.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1336.0	1337.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1336.0	1337.0	1.0	110.0			QL=4 ST=2 TYP=3
	127	TORN	46	C	1358.0	1402.0	6.0	70.0	30.0		
	245	SGMR	49	GB	1725.0	1726.0	3.0	1000.0			QL=2 ST=2 TYP=6
	9500	CUBA	21	GRF	1845.0	2007.0	83.0	50.0	25.0		
	4995	PALE	48	C	1915.0	1922.0	14.0	200.0			QL=4 ST=2 TYP=8
	4995	SGMR	48	C	1917.0	1922.0	16.0	230.0			QL=4 ST=2 TYP=8
	4995	SGMR	4	S/F	1917.0	1918.0	283.0	100.0			QL=4 ST=1 TYP=3

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

JUNE 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
02	2695	PALE	48	C	1918.0	1922.0	6.0	74.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	1918.0	1922.0	6.0	340.0			QL=4 ST=2 TYP=8
	15400	SGMR	48	C	1918.0	1922.0	15.0	500.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1918.0	1922.0	15.0	88.0			QL=4 ST=2 TYP=8
	15400	SGMR	48	C	1918.0	1922.0	15.0	500.0			QL=4 ST=3 TYP=8
	8800	SGMR	48	C	1918.0	1922.0	15.0	410.0			QL=4 ST=2 TYP=8
	15400	SGMR	48	C	1918.0	1922.0	282.0	500.0			QL=4 ST=1 TYP=8
	8800	SGMR	4	S/F	1918.0	1918.0	282.0	60.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1918.0	1918.0	282.0	39.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1918.0	1918.0	282.0	73.0			QL=4 ST=1 TYP=3
	8800	SGMR	48	C	1918.0	1922.0	282.0	410.0			QL=4 ST=1 TYP=8
	9500	CUBA	3	S	1921.8	1922.2	2.2	242.0	121.0		
	1415	PALE	8	S	1922.0	1922.0	U	23.0			QL=4 ST=2 TYP=3
	8800	PALE	48	C	1933.0	1939.0	12.0	160.0			QL=4 ST=2 TYP=8
	4995	PALE	48	C	1933.0	1939.0	12.0	150.0			QL=4 ST=2 TYP=8
	15400	SGMR	20	GRF	1933.0	1939.0	14.0	240.0			QL=4 ST=2 TYP=2
	8800	SGMR	48	C	1933.0	1939.0	12.0	200.0			QL=4 ST=2 TYP=8
	15400	SGMR	48	C	1933.0	1939.0	267.0	240.0			QL=4 ST=1 TYP=8
	8800	SGMR	48	C	1933.0	1939.0	267.0	200.0			QL=4 ST=1 TYP=8
	9500	CUBA	46	C	1935.0U	1939.3	10.0U	129.0			
	4995	SGMR	48	C	1936.0	1939.0	10.0	170.0			QL=4 ST=2 TYP=8
	4995	SGMR	4	S/F	1936.0	1939.0	264.0	170.0			QL=4 ST=1 TYP=3
	2695	PALE	8	S	1937.0	1937.0	U	32.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1939.0	1940.0	1.0	24.0			QL=4 ST=2 TYP=3
	2695	SGMR	48	C	1939.0	1939.0	1.0	87.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1939.0	1939.0	261.0	87.0			QL=4 ST=1 TYP=3
	245	PALE	8	S	1943.0	1944.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1944.0	1944.0	U	90.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1944.0	1944.0	U	31.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1944.0	1944.0	256.0	31.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	2010.0	2016.0	24.0	180.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2010.0	2016.0	230.0	180.0			QL=4 ST=1 TYP=3
	4995	PALE	20	GRF	2011.0	2016.0	17.0	170.0			QL=4 ST=2 TYP=2
	8800	SGMR	4	S/F	2011.0	2016.0	21.0	140.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2011.0	2016.0	229.0	140.0			QL=4 ST=1 TYP=3
	245	PALE	8	S	2012.0	2012.0	U	430.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2012.0	2016.0	17.0	65.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	2012.0	2016.0	20.0	100.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	2012.0	2016.0	228.0	100.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	2012.0	2016.0	228.0	65.0			QL=4 ST=1 TYP=3
	8800	PALE	4	S/F	2013.0	2016.0	10.0	97.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2014.0	2014.0	U	31.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2014.0	2017.0	14.0	52.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	2050.0	2052.0	2.0	500.0			0
	2800	PENT	3	S	2144.0	2151.0	14.0	9.0			
03	204	IZMI	43	NS	0600.0		360.0D		15.0		
	127	TORN	44	NS	0620.0E	1057.8	450.0D	140.0	5.0		V=2
	235	CUBA	44	NS	1300.0E		480.0D		11.0		
	280	CUBA	44	NS	1300.0E		480.0D		16.0		
	5730	IRKU	1	S	0145.0	0146.7	13.0	8.0	U		
	5730	IRKU	1	S	0218.6	0227.0	23.2	13.0	U		
	900	GORK	42	SER	0617.8	0618.0	35.6	4.8			
	900	GORK	42	SER	0617.8	0653.1		5.8			
	900	GORK	42	SER	0617.8	0639.1		6.7			
	600	GORK	42	SER	0619.0	0639.0		13.0			
	600	GORK	42	SER	0619.0	0653.1		20.0			
	600	GORK	42	SER	0619.0	0619.2	34.3	14.0			
	2950	GORK	42	SER	0632.7	0642.1		3.7			
	2950	GORK	42	SER	0632.7	0656.4		4.6			
	2950	GORK	42	SER	0632.7	0638.9	24.3	3.7			
	5730	IRKU	46	C	0641.0	0642.3	3.2	145.0	U		
	33	UPIC	42	SER	0655.5	0739.0	64.5				
	5730	IRKU	8	S	0655.8	0656.3	1.9	10.0	U		
	5730	IRKU	46	C	0815.6	0842.7	81.9	121.0	U		
	900	GORK	42	SER	0832.2	0834.4	10.3	9.3			
	2800	HIRA	4	S/F	0839.0	0844.0	7.0	80.0			0
	2950	GORK	4	S/F	0839.5	0843.5	13.6	95.0			
	2950	GORK	4	S/F	0839.5	0843.8		95.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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	3000	IZMI	45	C	0840.0	0843.5	11.0	83.0			
	8800	LEAR	4	S/F	0841.0	0842.0	3.0	70.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0841.0	0843.0	3.0	100.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0841.0	0843.0	5.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0841.0	0842.0	4.0	67.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	0841.0	0842.0	3.0	41.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0842.0	0843.0	3.0	84.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0843.0	0843.0	1.0	84.0			QL=4 ST=2 TYP=3
	3000	IZMI	22	GRF	1015.1	1015.9	17.8	9.0			
	2950	GORK	1	S	1015.4	1016.2	2.4	6.6			
	204	IZMI	25	R	1027.7		93.0D		20.0		
	245	SVTO	8	S	1118.0	1119.0	1.0	60.0			QL=4 ST=2 TYP=3
	2800	PENT	21	GRF	1412.0	1419.0	30.0	9.0			
	9500	CUBA	22	GRF	1416.0	1418.0	24.0	16.0	8.0		
	9500	CUBA	20	GRF	1655.0	1659.0	36.0	15.0	7.0		
	2800	PENT	29	PBI	1910.0	1919.0	22.0U	330.0			
	8800	SGMR	49	GB	1916.0	1919.0	16.0	1000.0			QL=4 ST=2 TYP=6
	4995	SGMR	49	GB	1916.0	1919.0	13.0	830.0			QL=4 ST=2 TYP=6
	4995	SGMR	49	GB	1916.0	1919.0	284.0	830.0			QL=4 ST=1 TYP=6
	8800	SGMR	49	GB	1916.0	1919.0	284.0	1000.0			QL=4 ST=1 TYP=6
	8800	PALE	49	GB	1917.0	1919.0	4.0	980.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	1917.0	1919.0	7.0	310.0			QL=4 ST=2 TYP=3
	4995	PALE	49	GB	1917.0	1919.0	7.0	820.0			QL=4 ST=2 TYP=6
	15400	SGMR	49	GB	1917.0	1919.0	15.0	1200.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1917.0	1919.0	10.0	310.0			QL=4 ST=2 TYP=3
	15400	PALE	49	GB	1917.0	1919.0	27.0	1300.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	1917.0	1919.0	283.0	310.0			QL=4 ST=1 TYP=3
	15400	PALE	49	GB	1917.0	1919.0	283.0	1300.0			QL=4 ST=1 TYP=6
	8800	PALE	49	GB	1917.0	1919.0	283.0	980.0			QL=4 ST=1 TYP=6
	4995	PALE	49	GB	1917.0	1919.0	283.0	820.0			QL=4 ST=1 TYP=6
	2695	SGMR	4	S/F	1917.0	1919.0	283.0	310.0			QL=4 ST=1 TYP=3
	15400	SGMR	49	GB	1917.0	1919.0	283.0	1200.0			QL=4 ST=1 TYP=6
	9500	CUBA	47	GB	1917.0E	1919.1	9.0D	1195.0			
	1415	SGMR	4	S/F	1918.0	1919.0	5.0	41.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1918.0	1919.0	282.0	41.0			QL=4 ST=1 TYP=3
	1415	PALE	8	S	1919.0	1919.0	1.0	39.0			QL=4 ST=2 TYP=3
	9500	CUBA	29	PBI	1926.0		82.6	56.0	28.0		
	410	PALE	8	S	1937.0	1938.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	2106.0	2107.0	4.0	69.0			QL=4 ST=2 TYP=3
04	204	IZMI	44	NS	0555.0E		65.0D		5.0		
	127	TORN	43	NS	0730.0	1139.6	450.0	20.0	4.0		V=0
	280	CUBA	44	NS	1300.0E		530.0D		22.0		
	235	CUBA	44	NS	1300.0E		530.0D		12.0		
	245	SGMR	43	NS	1458.0	1459.0	14.0	89.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1458.0	1459.0	542.0	89.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1747.0	1803.0	50.0	100.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1747.0	1756.0	373.0	91.0			QL=4 ST=1 TYP=1
	5730	IRKU	1	S	0102.5	0103.1	3.6	4.0	U		
	5730	IRKU	4	S/F	0106.6	0111.3	21.2	11.0	U		
	5730	IRKU	1	S	0132.5	0140.5	20.7	9.0	U		
	2840	PEKG	3	S	0352.0	0356.0	11.0	27.7			
	5730	IRKU	46	C	0352.8	0355.4	66.2	88.0	U		
	2950	GORK	23	GRF	0352.9	0432.3	106.6	12.0			
	2950	GORK	4	S/F	0353.3	0355.2	4.1	25.0			
	2950	GORK	4	S/F	0353.3	0355.5		25.0			
	245	LEAR	8	S	0415.0	0415.0	1.0	69.0			QL=2 ST=2 TYP=3
	600	GORK	45	C	0433.5	0433.8	0.7	8.0			
	2950	GORK	1	S	0531.8	0532.4	1.9	4.4			
	204	IZMI	42	SER	0701.8	0703.7	3.5	99.0			
	500	HIRA	42	SER	0702.0	0704.0	3.0	60.0			0
	2840	PEKG	1	S	0702.0	0704.0	6.0	8.7			
	245	SVTO	4	S/F	0702.0	0703.0	6.0	100.0			QL=4 ST=2 TYP=3
	200	HIRA	46	C	0702.0	0704.0	12.0	60.0			0
	127	TORN	45	C	0702.3	0703.0	5.5	250.0	80.0		
	410	SVTO	4	S/F	0703.0	0703.0	5.0	55.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0703.0	0704.0	2.0	66.0			QL=4 ST=2 TYP=3
	2950	GORK	46	C	0703.3	0704.5	4.4	8.7			
	2950	GORK	46	C	0703.3	0706.8		7.8			

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

JUNE 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
04	600	GORK	4	S/F	0703.4	0704.4	1.9	110.0			
	900	GORK	46	C	0703.5	0704.0	1.8	17.0			
	900	GORK	46	C	0703.5	0704.5		40.0			
	204	IZMI	42	SER	0705.8	0706.0	1.5	304.0			
	5730	IRKU	1	S	0714.0	0715.3	4.0	5.0	U		
	3000	IZMI	22	GRF	0941.4	0947.6	32.9	20.0			
	2950	GORK	23	GRF	0943.6	0950.1	29.7	8.8			
	2950	GORK	45	C	0944.7	0945.6	4.5	4.6			
	2950	GORK	45	C	0944.7	0947.8		7.1			
	245	SVTO	8	S	1448.0	1448.0	2.0	72.0			QL=4 ST=2 TYP=3
	235	CUBA	6	S	1448.6	1455.4	14.0				
	280	CUBA	6	S	1448.6	1455.4	14.0	47.0			
	245	SGMR	4	S/F	1449.0	1450.0	5.0	73.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1458.0	1459.0	1.0	91.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1605.0	1607.0	5.0	50.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2035.0	2036.0	1.0	80.0			0
	245	SGMR	8	S	2035.0	2035.0	1.0	170.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	2200.0	2209.0	32.0U	371.0			
	2840	PEKG	47	GB	2202.0	2207.0	27.0	379.2			
	9500	CUBA	46	C	2203.0	2206.0	13.0D	279.0			SUNSET
	2800	HIRA	46	C	2204.0	2210.0	17.0	300.0			WR
	4995	PALE	4	S/F	2205.0	2207.0	10.0	430.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2205.0	2207.0	11.0	390.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2205.0	2207.0	14.0	400.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2205.0	2207.0	11.0	320.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2205.0	2207.0	12.0	440.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2205.0	2207.0	115.0	400.0			QL=4 ST=1 TYP=3
	15400	PALE	4	S/F	2205.0	2207.0	115.0	390.0			QL=4 ST=1 TYP=3
	4995	PALE	4	S/F	2205.0	2207.0	115.0	430.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	2205.0	2207.0	115.0	440.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	2205.0	2207.0	115.0	320.0			QL=4 ST=1 TYP=3
	2695	PALE	4	S/F	2206.0	2210.0	10.0	330.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2206.0	2210.0	10.0	370.0			QL=4 ST=2 TYP=3
	15400	SGMR	20	GRF	2206.0	2207.0	10.0	320.0			QL=2 ST=2 TYP=2
	15400	SGMR	4	S/F	2206.0	2207.0	10.0	320.0			QL=2 ST=3 TYP=3
	2695	PALE	4	S/F	2206.0	2210.0	114.0	330.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	2206.0	2210.0	114.0	370.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	2206.0	2207.0	114.0	320.0			QL=4 ST=1 TYP=3
	500	HIRA	42	SER	2208.0	2211.0	4.0	40.0			0
	1415	PALE	4	S/F	2208.0	2210.0	7.0	120.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	2208.0	2210.0	9.0	100.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	2208.0	2210.0	112.0	120.0			QL=4 ST=1 TYP=3
	1415	SGMR	4	S/F	2208.0	2210.0	112.0	100.0			QL=4 ST=1 TYP=3
	610	PALE	8	S	2209.0	2211.0	2.0	140.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	2209.0	2211.0	3.0	170.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	2209.0	2210.0	7.0	87.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	2209.0	2211.0	111.0	170.0			QL=4 ST=1 TYP=3
	245	SGMR	4	S/F	2209.0	2210.0	111.0	87.0			QL=4 ST=1 TYP=3
05	204	IZMI	44	NS	0600.0E		360.0D		20.0		
	127	TORN	44	NS	0620.0E		270.0D		7.0		V=0
	245	SVTO	43	NS	0715.0	0803.0	99.0	130.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0715.0	0737.0	1005.0	54.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0715.0	0803.0	1005.0	130.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1018.0	1032.0	71.0	62.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1018.0	1032.0	822.0	62.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1129.0	1314.0	137.0	96.0			QL=2 ST=3 TYP=1
	245	SVTO	43	NS	1129.0	1314.0	137.0	96.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1129.0	1142.0	751.0	65.0			QL=4 ST=1 TYP=1
	235	CUBA	44	NS	1300.0E		530.0D		10.0		
	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	245	PALE	43	NS	2231.0	2238.0	59.0	75.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	2231.0	2238.0	89.0	75.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	2245.0	2245.0	45.0	59.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	2245.0	2245.0	75.0	59.0			QL=4 ST=1 TYP=1
	2800	PENT	1	S	0022.0	0025.0	7.0	5.0			
	245	LEAR	8	S	0102.0	0102.0	U	96.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0102.0	0102.0	U	120.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0132.0	0132.0	U	67.0			QL=2 ST=2 TYP=3

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JUNE 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
05	5730	IRKU	20	GRF	0312.5	0330.0	62.5	12.0	U		
	245	LEAR	4	S/F	0526.0	0528.0	3.0	92.0			QL=2 ST=2 TYP=3
	245	SVTO	4	S/F	0526.0	0528.0	3.0	99.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0533.0	0533.0	1.0	57.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0533.0	0533.0	1.0	52.0			QL=4 ST=2 TYP=3
	5730	IRKU	1	S	0547.0	0547.7	2.0	5.0	U		
	245	LEAR	8	S	0657.0	0657.0	2.0	120.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0657.0	0657.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0657.0	0657.0	1023.0	120.0			QL=2 ST=1 TYP=3
	245	LEAR	8	S	0737.0	0737.0	U	53.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0802.0	0803.0	1.0	98.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0853.0	0854.0	2.0	63.0			QL=2 ST=2 TYP=3
	3000	IZMI	5	S	1016.3	1016.4	0.2	27.0			
	245	SVTO	8	S	1031.0	1032.0	2.0	58.0			QL=2 ST=2 TYP=3
	3000	IZMI	7	C	1110.3	1110.9	0.9	16.0			
	3000	IZMI	22	GRF	1124.1	1127.9	19.3	16.0			
	1415	SVTO	8	S	1209.0	1210.0	1.0	280.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1210.0	1210.0	U	260.0			QL=4 ST=2 TYP=3
	2800	PENT	21	GRF	1349.0	1356.0	123.0	18.0			
	9500	CUBA	2	S/F	1355.0	1356.4	4.3	23.0	11.0		
	2800	PENT	23	GRF	1814.0	1830.0	61.0	13.0			
	245	SGMR	8	S	2237.0	2238.0	1.0	59.0			QL=4 ST=2 TYP=3
06	245	SVTO	43	NS	0437.0	0444.0	17.0	120.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0437.0	0444.0	1163.0	120.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		15.0		
	245	SVTO	43	NS	0611.0	0638.0	36.0	99.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0611.0	0638.0	1069.0	99.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0637.0	0638.0	98.0	100.0			QL=2 ST=2 TYP=1
	245	LEAR	43	NS	0637.0	0638.0	1043.0	100.0			QL=2 ST=1 TYP=1
	127	TORN	44	NS	1040.0E		300.0D		5.0		V=2
	245	SVTO	43	NS	1055.0	1128.0	94.0	120.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1055.0	1128.0	785.0	120.0			QL=4 ST=1 TYP=1
	280	CUBA	44	NS	1300.0E		530.0D		35.0		
	235	CUBA	44	NS	1300.0E		530.0D		20.0		
	245	SGMR	43	NS	1354.0	2124.0	573.0	220.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1354.0	1356.0	606.0	100.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1355.0	1356.0	72.0	110.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1355.0	1356.0	605.0	110.0			QL=4 ST=1 TYP=1
	410	PALE	43	NS	1710.0	1713.0	70.0	210.0			QL=4 ST=4 TYP=1
	245	PALE	43	NS	1710.0	1757.0	426.0	210.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1710.0	1711.0U	410.0	87.0			QL=4 ST=1 TYP=1
	410	PALE	43	NS	1710.0	1713.0U	410.0	210.0			QL=4 ST=1 TYP=1
	245	LEAR	48	C	0026.0	0031.0	8.0	210.0			QL=2 ST=2 TYP=8
	245	PALE	8	S	0030.0	0031.0	1.0	250.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0030.0	0031.0	1.0	90.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	0114.0	0119.0	9.0	14.0			
	5730	IRKU	1	S	0117.3	0119.4	4.7	11.0	U		
	245	LEAR	8	S	0245.0	0245.0	1.0	99.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0351.0	0352.0	1.0	96.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0351.0	0352.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0406.0	0408.0	5.0	150.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0408.0	0408.0	1.0	160.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0421.0	0421.0	2.0	55.0			QL=2 ST=2 TYP=3
	245	LEAR	4	S/F	0437.0	0440.0	4.0	100.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0444.0	0444.0	1.0	120.0			QL=2 ST=2 TYP=3
	245	SVTO	4	S/F	0600.0	0602.0	6.0	110.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0602.0	0602.0	4.0	130.0			QL=2 ST=2 TYP=3
	204	IZMI	42	SER	0634.1	0636.8	4.2	222.0			
	245	SVTO	8	S	0801.0	0801.0	U	77.0			QL=4 ST=2 TYP=3
	2950	GORK	23	GRF	0845.7	0850.9	53.6	6.1			
	3000	IZMI	20	GRF	0848.0	0848.3	0.9	7.0			
	2950	GORK	4	S/F	0848.1	0848.2	1.1	4.3			
	204	IZMI	7	C	0912.2	0912.4	0.5	170.0			
	410	SVTO	48	C	1208.0	1212.0	5.0	54.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	1211.0	1212.0	1.0	65.0			QL=4 ST=2 TYP=3
	9500	CUBA	21	GRF	1243.0	1401.0	136.0	56.0	28.0		
	6700	CUBA	21	GRF	1309.0E	1403.0	110.0D	59.0	29.0		5L SUNRISE
	6700	CUBA	2	S/F	1318.0	1322.0	5.0	23.0	11.0		14L

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

JUNE 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
06	15400	SGMR	8	S	1318.0	1318.0	1.0	52.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1318.0	1319.0	1.0	29.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1318.0	1318.0	U	24.0			QL=4 ST=2 TYP=3
	8800	SVTO	46	C	1318.0	1321.0	4.0	45.0			QL=4 ST=2 TYP=8
	15400	SVTO	4	S/F	1318.0	1318.0	4.0	77.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1318.0	1321.8	4.5	15.0	7.0		
	2800	PENT	40	F	1325.0	1333.0	15.0	456.0			
	8800	SGMR	4	S/F	1330.0	1332.0	8.0	460.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1330.0	1332.0	8.0	390.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1330.0	1333.0	8.0	150.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1330.0	1332.0	19.0	420.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1330.0	1332.0	16.0	380.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1330.0	1333.0	20.0	140.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1330.0	1333.0	630.0	150.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	1330.0	1332.0	630.0	460.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1330.0	1332.0	630.0	390.0			QL=4 ST=1 TYP=3
	4995	SVTO	4	S/F	1330.0	1333.0	630.0	140.0			QL=4 ST=1 TYP=3
	8800	SVTO	4	S/F	1330.0	1332.0	630.0	380.0			QL=4 ST=1 TYP=3
	15400	SVTO	4	S/F	1330.0	1332.0	630.0	420.0			QL=4 ST=1 TYP=3
	9500	CUBA	45	C	1330.4	1332.0	4.6	349.0	76.0		
	6700	CUBA	45	C	1330.8	1331.2	3.0	256.0	95.0		15L
	2695	SGMR	49	GB	1332.0	1333.0	6.0	560.0			QL=4 ST=2 TYP=6
	2695	SVTO	49	GB	1332.0	1333.0	4.0	500.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1332.0	1333.0	628.0	560.0			QL=4 ST=1 TYP=6
	2695	SVTO	49	GB	1332.0	1333.0	628.0	500.0			QL=4 ST=1 TYP=6
	1415	SGMR	4	S/F	1333.0	1334.0	3.0	32.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1333.0	1334.0	1.0	31.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1336.0	1337.0	2.0	75.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	1337.0	1337.0	8.0	54.0			QL=4 ST=3 TYP=8
	245	SVTO	48	C	1337.0	1337.0	8.0	54.0			QL=4 ST=2 TYP=8
	245	SGMR	8	S	1340.0	1341.0	1.0	75.0			QL=4 ST=2 TYP=3
	15400	SVTO	20	GRF	1357.0	1403.0	33.0	67.0			QL=4 ST=2 TYP=2
	4995	SVTO	4	S/F	1359.0	1400.0	8.0	30.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1400.0	1402.0	6.0	36.0			QL=4 ST=2 TYP=3
	33	UPIC	32	ABS	1501.5	1507.7	26.5				
	2800	PENT	47	GB	1502.0	1523.0	89.0	1937.0			
	33	UPIC	42	SER	1502.5	1521.5	24.0				
	9500	CUBA	21	GRF	1504.0	1519.3	32.0	2511.0			
	2695	SVTO	48	C	1505.0	1524.0	136.0	2000.0			QL=4 ST=2 TYP=8
	2695	SVTO	48	C	1505.0	1519.0	535.0	2000.0			QL=4 ST=1 TYP=8
	2695	SVTO	4	S/F	1505.0	1508.0	535.0	210.0			QL=4 ST=1 TYP=3
	6700	CUBA	47	GB	1505.0	1516.5	31.6	4711.0			5L
	1415	SGMR	48	C	1506.0	1519.0	61.0	6500.0			QL=4 ST=2 TYP=8
	4995	SGMR	48	C	1506.0	1519.0	61.0	2800.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1506.0	1524.0	61.0	2300.0			QL=4 ST=2 TYP=8
	4995	SVTO	49	GB	1506.0	1519.0	96.0	2700.0			QL=4 ST=2 TYP=6
	1415	SVTO	48	C	1506.0	1519.0	125.0	5900.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1506.0	1508.0	534.0	230.0			QL=4 ST=1 TYP=3
	2695	SGMR	48	C	1506.0	1519.0	534.0	2300.0			QL=4 ST=1 TYP=8
	4995	SGMR	48	C	1506.0	1519.0	534.0	2800.0			QL=4 ST=1 TYP=8
	1415	SGMR	48	C	1506.0	1519.0	534.0	6500.0			QL=4 ST=1 TYP=8
	1415	SGMR	49	GB	1506.0	1512.0	534.0	720.0			QL=4 ST=1 TYP=6
	4995	SGMR	4	S/F	1506.0	1508.0	534.0	200.0			QL=4 ST=1 TYP=3
	1415	SVTO	48	C	1506.0	1519.0	534.0	5900.0			QL=4 ST=1 TYP=8
	245	SGMR	4	S/F	1507.0	1508.0	3.0	320.0			QL=4 ST=2 TYP=3
	410	SGMR	48	C	1507.0	1521.0	60.0	7600.0			QL=4 ST=2 TYP=8
	245	SGMR	48	C	1507.0	1527.0	60.0	4300.0			QL=2 ST=2 TYP=8
	610	SGMR	48	C	1507.0	1523.0	60.0	18000.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1507.0	1519.0	64.0	2600.0			QL=4 ST=2 TYP=8
	610	SVTO	49	GB	1507.0	1523.0	120.0	17000.0			QL=4 ST=2 TYP=6
	6700	CUBA	21	GRF	1507.0	1552.0	218.0	77.0	38.0		2L
	610	SGMR	48	C	1507.0	1523.0	533.0	18000.0			QL=4 ST=1 TYP=8
	410	SGMR	48	C	1507.0	1521.0	533.0	7600.0			QL=4 ST=1 TYP=8
	245	SGMR	4	S/F	1507.0	1508.0	533.0	320.0			QL=4 ST=1 TYP=3
	410	SGMR	49	GB	1507.0	1508.0	533.0	850.0			QL=4 ST=1 TYP=6
	610	SGMR	48	C	1507.0	1517.0	533.0	2700.0			QL=4 ST=1 TYP=8
	8800	SVTO	4	S/F	1507.0	1508.0	533.0	140.0			QL=4 ST=1 TYP=3
	8800	SVTO	48	C	1507.0	1519.0	533.0	2600.0			QL=4 ST=1 TYP=8
	8800	SGMR	48	C	1508.0	1519.0	54.0	3400.0			QL=4 ST=2 TYP=8

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

JUNE 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
06	15400	SVTO	48	C	1508.0	1519.0	107.0	1900.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1508.0	1513.0	532.0	390.0			QL=4 ST=1 TYP=8
	8800	SGMR	48	C	1508.0	1519.0	532.0	3400.0			QL=4 ST=1 TYP=8
	15400	SVTO	4	S/F	1508.0	1513.0	532.0	300.0			QL=4 ST=1 TYP=3
	15400	SVTO	48	C	1508.0	1519.0	532.0	1900.0			QL=4 ST=1 TYP=8
	15400	SGMR	48	C	1509.0	1519.0	58.0	1600.0			QL=4 ST=2 TYP=8
	410	SVTO	48	C	1509.0	1521.0	119.0	6500.0			QL=4 ST=2 TYP=8
	15400	SGMR	48	C	1509.0	1519.0	531.0	1600.0			QL=4 ST=1 TYP=8
	15400	SGMR	4	S/F	1509.0	1513.0	531.0	260.0			QL=4 ST=1 TYP=3
	410	SVTO	48	C	1509.0	1521.0	531.0	6500.0			QL=4 ST=1 TYP=8
	410	SVTO	4	S/F	1509.0	1511.0	531.0	56.0			QL=4 ST=1 TYP=3
	4995	SVTO	49	GB	1515.0	1519.0	525.0	2700.0			QL=4 ST=1 TYP=6
	280	CUBA	49	GB	1516.4	1523.7	48.6	4691.0			
	235	CUBA	49	GB	1517.6	1521.7	48.4	2220.0			
	245	SVTO	48	C	1520.0	1526.0	118.0	4000.0			QL=4 ST=2 TYP=8
	245	SVTO	49	GB	1520.0	1520.0	520.0	590.0			QL=4 ST=1 TYP=6
	33	UPIC	47	GB	1528.0	1532.5	11.5				
	9500	CUBA	29	PBI	1536.0		76.0	462.0	231.0		
	6700	CUBA	29	PBI	1536.6		94.4	494.0			10L
	410	SGMR	48	C	1617.0	1647.0	44.0	160.0			QL=4 ST=2 TYP=8
	410	SGMR	48	C	1617.0	1624.0	463.0	150.0			QL=4 ST=1 TYP=8
	410	SGMR	48	C	1617.0	1647.0	463.0	160.0			QL=4 ST=1 TYP=8
	610	SGMR	48	C	1618.0	1641.0	43.0	5200.0			QL=4 ST=2 TYP=8
	610	SGMR	48	C	1618.0	1641.0	462.0	5200.0			QL=4 ST=1 TYP=8
	610	SGMR	48	C	1618.0	1634.0	462.0	1200.0			QL=4 ST=1 TYP=8
	1415	SGMR	48	C	1621.0	1641.0	40.0	5600.0			QL=4 ST=2 TYP=8
	1415	SGMR	48	C	1621.0	1641.0	459.0	5600.0			QL=4 ST=1 TYP=8
	1415	SGMR	48	C	1621.0	1634.0	459.0	1900.0			QL=4 ST=1 TYP=8
	2695	SGMR	48	C	1622.0	1636.0	39.0	570.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1622.0	1636.0	458.0	570.0			QL=4 ST=1 TYP=8
	2695	SGMR	48	C	1622.0	1628.0	458.0	83.0			QL=4 ST=1 TYP=8
	610	PALE	48	C	1633.0	1641.0	17.0	3400.0			QL=4 ST=2 TYP=8
	245	PALE	4	S/F	1633.0	1637.0	37.0	150.0			QL=4 ST=2 TYP=3
	410	PALE	48	C	1633.0	1654.0	37.0	2400.0			QL=4 ST=2 TYP=8
	245	PALE	4	S/F	1633.0	1637.0	447.0	150.0			QL=4 ST=1 TYP=3
	610	PALE	49	GB	1633.0	1635.0	447.0	700.0			QL=4 ST=1 TYP=6
	410	PALE	4	S/F	1633.0	1635.0	447.0	180.0			QL=4 ST=1 TYP=3
	610	PALE	48	C	1633.0	1641.0	447.0	3400.0			QL=4 ST=1 TYP=8
	410	PALE	48	C	1633.0	1639.0	447.0	360.0			QL=4 ST=1 TYP=8
	1415	PALE	48	C	1634.0	1641.0	16.0	1800.0			QL=4 ST=2 TYP=8
	1415	PALE	4	S/F	1634.0	1634.0	446.0	470.0			QL=4 ST=1 TYP=3
	1415	PALE	48	C	1634.0	1641.0	446.0	1800.0			QL=4 ST=1 TYP=8
	4995	PALE	4	S/F	1652.0	1654.0	3.0	54.0			QL=4 ST=2 TYP=3
	2695	PALE	20	GRF	1653.0	1659.0	12.0	60.0			QL=4 ST=2 TYP=2
	610	SGMR	8	S	1704.0	1704.0	2.0	74.0			QL=4 ST=4 TYP=3
	1415	SGMR	8	S	1704.0	1704.0	U	94.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1704.0	1704.0	U	94.0			QL=4 ST=4 TYP=3
	610	SGMR	8	S	1704.0	1704.0	2.0	74.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	1716.0	1716.0	404.0	660.0			QL=4 ST=4 TYP=6
	410	PALE	49	GB	1716.0	1716.0	404.0	660.0			QL=4 ST=1 TYP=6
	410	PALE	49	GB	1716.0	1716.0	404.0	660.0			QL=4 ST=3 TYP=6
	245	LEAR	8	S	2337.0	2338.0	1.0	51.0			QL=2 ST=2 TYP=3
07	204	IZMI	44	NS	0600.0E		360.0D		15.0		
	127	TORN	44	NS	0620.0E		530.0D		24.0		V=1
	280	CUBA	44	NS	1300.0E		530.0D		23.0		
	235	CUBA	44	NS	1300.0E		530.0D		18.0		
	1415	LEAR	8	S	0015.0	0016.0	1.0	73.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0147.0	0148.0	1.0	80.0			QL=2 ST=2 TYP=3
	5730	IRKU	21	GRF	0318.0	0356.5	61.7	17.0	U		
	245	LEAR	8	S	0322.0	0322.0	U	64.0			QL=2 ST=2 TYP=3
	5730	IRKU	8	S	0431.4	0431.7	7.3	4.0	U		
	2840	PEKG	3	S	0438.0	0441.0	11.0	121.0			
	2950	GORK	4	S/F	0438.6	0441.0	9.6	85.0			
	900	GORK	46	C	0438.7	0442.0		13.0			
	900	GORK	46	C	0438.7	0440.7	6.9	12.0			
	5730	IRKU	4	S/F	0438.9	0441.3	9.1	157.0	U		
	2800	HIRA	3	S	0439.0	0441.0	6.0	90.0			0
	8800	LEAR	8	S	0440.0	0441.0	2.0	180.0			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

JUNE 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
07	15400	LEAR	8	S	0440.0	0441.0	2.0	140.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0440.0	0441.0	2.0	47.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0440.0	0441.0	3.0	120.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0440.0	0441.0	2.0	150.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0440.0	0441.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0440.0	0441.0	1.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0440.0	0441.0	2.0	150.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0440.0	0441.0	2.0	120.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0440.0	0441.0	2.0	120.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0440.0	0441.0	2.0	50.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0440.0	0441.0	2.0	94.0			QL=4 ST=2 TYP=3
	900	GORK	40	F	0541.5	0543.9	7.5	40.0			
	245	LEAR	8	S	0543.0	0544.0	2.0	130.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0543.0	0544.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0548.0	0548.0	U	100.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0548.0	0548.0	U	69.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0740.1	0741.3	5.2	230.0			
	900	GORK	46	C	0741.5	0750.0		23.0			
	900	GORK	46	C	0741.5	0743.5	21.7	15.0			
	600	GORK	42	SER	0742.2	0750.4		5.0			
	600	GORK	42	SER	0742.2	0743.5	21.0	10.0			
	33	UPIC	45	C	0743.0	0743.5	2.5				
	204	IZMI	41	F	0746.5	0750.5	33.1	37.0			
	245	SVTO	8	S	0837.0	0838.0	1.0	58.0			QL=4 ST=2 TYP=3
	900	GORK	40	F	0942.4	0944.2	5.2	1600.0			
	900	GORK	41	F	1002.8	1003.2	2.8	46.0			
	900	GORK	41	F	1002.8	1004.7		17.0			
	245	SVTO	8	S	1014.0	1014.0	U	98.0			QL=4 ST=2 TYP=3
	900	GORK	40	F	1034.6	1037.3	6.2	70.0			
	204	IZMI	25	R	1047.0		73.0				
	204	IZMI	42	SER	1120.5	1121.2	1.1	587.0			
	245	SVTO	4	S/F	1429.0	1430.0	3.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1429.0	1430.0	2.0	160.0			QL=4 ST=2 TYP=3
	2800	PENT	46	C	1520.0	1547.0	71.0	177.0			
	9500	CUBA	21	GRF	1535.0	1703.0	145.0	85.0	42.0		
	6700	CUBA	47	GB	1537.8	1546.0	16.2	678.0			8L
	15400	SVTO	4	S/F	1538.0	1545.0	39.0	140.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1538.0	1547.0	48.0	200.0			QL=4 ST=3 TYP=3
	2695	SGMR	20	GRF	1538.0	1547.0	48.0	200.0			QL=4 ST=2 TYP=2
	4995	SGMR	48	C	1538.0	1545.0	48.0	360.0			QL=4 ST=2 TYP=8
	4995	SGMR	48	C	1538.0	1545.0	48.0	360.0			QL=4 ST=3 TYP=8
	2695	SVTO	4	S/F	1538.0	1547.0	41.0	180.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1538.0	1545.0	43.0	360.0			QL=4 ST=2 TYP=3
	4995	SGMR	48	C	1538.0	1545.0	502.0	360.0			QL=4 ST=1 TYP=8
	2695	SGMR	48	C	1538.0	1547.0	502.0	200.0			QL=4 ST=1 TYP=8
	2695	SGMR	20	GRF	1538.0	1547.0	502.0	200.0			QL=4 ST=1 TYP=2
	2695	SVTO	20	GRF	1538.0	1547.0	502.0	180.0			QL=4 ST=1 TYP=2
	4995	SVTO	4	S/F	1538.0	1545.0	502.0	360.0			QL=4 ST=1 TYP=3
	1415	SVTO	48	C	1539.0	1547.0	23.0	680.0			QL=4 ST=2 TYP=8
	1415	SGMR	48	C	1539.0	1547.0	47.0	670.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1539.0	1545.0	47.0	350.0			QL=4 ST=2 TYP=8
	8800	SVTO	48	C	1539.0	1545.0	42.0	280.0			QL=4 ST=2 TYP=8
	1415	SGMR	48	C	1539.0	1547.0	501.0	670.0			QL=4 ST=1 TYP=8
	8800	SGMR	48	C	1539.0	1545.0	501.0	350.0			QL=4 ST=1 TYP=8
	8800	SVTO	48	C	1539.0	1545.0	501.0	280.0			QL=4 ST=1 TYP=8
	1415	SVTO	48	C	1539.0	1547.0	501.0	680.0			QL=4 ST=1 TYP=8
	9500	CUBA	46	C	1539.6	1545.8	10.4	195.0	75.0		
	15400	SGMR	48	C	1540.0	1545.0	51.0	150.0			QL=4 ST=2 TYP=8
	15400	SGMR	48	C	1540.0	1545.0	500.0	150.0			QL=4 ST=1 TYP=8
	610	SGMR	4	S/F	1543.0	1547.0	43.0	250.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1543.0	1547.0	497.0	250.0			QL=4 ST=1 TYP=3
	15400	SVTO	48	C	1543.0	1545.0	497.0	88.0			QL=4 ST=1 TYP=8
	610	SVTO	4	S/F	1545.0	1547.0	14.0	220.0			QL=4 ST=2 TYP=3
	410	SGMR	48	C	1545.0	1553.0	41.0	310.0			QL=4 ST=2 TYP=8
	410	SGMR	4	S/F	1545.0	1547.0	495.0	150.0			QL=4 ST=1 TYP=3
	410	SGMR	48	C	1545.0	1553.0	495.0	310.0			QL=4 ST=1 TYP=8
	610	SVTO	4	S/F	1545.0	1547.0	495.0	220.0			QL=4 ST=1 TYP=3
	410	SVTO	48	C	1546.0	1553.0	13.0	240.0			QL=4 ST=2 TYP=8
	280	CUBA	27	RF	1546.0	1548.0	94.0	54.0			

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

JUNE 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
07	235	CUBA	27	RF	1546.0	1635.0	94.0	37.0			
	410	SVTO	4	S/F	1546.0	1547.0	494.0	150.0			QL=4 ST=1 TYP=3
	245	SGMR	4	S/F	1547.0	1548.0	39.0	97.0			QL=4 ST=2 TYP=3
	245	SGMR	20	GRF	1547.0	1548.0	39.0	97.0			QL=4 ST=2 TYP=2
	245	SGMR	4	S/F	1547.0	1548.0	493.0	97.0			QL=4 ST=1 TYP=3
	33	UPIC	47	GB	1615.0	1617.5	7.0				
	245	SGMR	4	S/F	2310.0	2314.0	4.0	69.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2315.0	2315.0	1.0	1200.0			QL=4 ST=2 TYP=6
	245	SGMR	4	S/F	2324.0	2326.0	4.0	170.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2326.0	2326.0	1.0	370.0			QL=4 ST=2 TYP=3
08	204	IZMI	44	NS	0600.0E		480.0D		15.0		
	127	TORN	44	NS	0620.0E		530.0D		16.0		V=1
	280	CUBA	44	NS	1300.0E		530.0D		16.0		
	235	CUBA	44	NS	1300.0E		530.0D		10.0		
	5730	IRKU	4	S/F	0049.6	0056.6	34.4	30.0	U		
	2840	PEKG	3	S	0050.0	0056.0	25.0	28.9			
	245	LEAR	8	S	0051.0	0051.0	U	120.0			QL=2 ST=2 TYP=3
	245	PALE	49	GB	0051.0	0052.0	2.0	950.0			QL=4 ST=2 TYP=6
	8800	PALE	4	S/F	0052.0	0056.0	20.0	45.0			QL=4 ST=2 TYP=3
	2800	HIRA	4	S/F	0053.0	0056.0	9.0	30.0			0
	4995	PALE	4	S/F	0053.0	0056.0	19.0	45.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0056.0	0056.0	1.0	26.0			QL=4 ST=2 TYP=3
	5730	IRKU	20	GRF	0136.8	0153.5	99.2	20.0	U		
	2840	PEKG	5	S	0523.0	0526.0	8.0	12.7			
	5730	IRKU	4	S/F	0524.2	0526.6	5.8	42.0	U		
	4995	LEAR	4	S/F	0525.0	0526.0	3.0	30.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0525.0	0526.0	2.0	50.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0525.0	0526.0	7.0	46.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0525.0	0526.0	2.0	55.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0525.0	0526.0	2.0	53.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0525.5	0526.6	4.2	16.0			
	204	IZMI	41	F	0810.1	0810.9	1.0	132.0			
	33	UPIC	4	S/F	0816.0	0817.0	1.5				
	204	IZMI	42	SER	0816.2	0817.0	1.4	57.0			
	245	LEAR	8	S	0855.0	0856.0	1.0	120.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0855.0	0856.0	1.0	120.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0939.0	0941.0	5.0	18.3			
	8800	SVTO	8	S	0940.0	0940.0	1.0	73.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0940.0	0940.0	1.0	53.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0940.8	0941.0	1.8	21.0			
	600	GORK	4	S/F	0940.8	0940.9	0.3	27.0			
	3000	IZMI	7	C	0940.8	0940.9	1.0	27.0			
	900	GORK	4	S/F	0940.9	0941.0	0.4	31.0			
	33	UPIC	45	C	1040.0	1041.5	2.0				
	204	IZMI	45	C	1049.8	1050.1	3.9	89.0			
	2800	PENT	21	GRF	1511.0	1523.0	38.0	8.0			
	2800	PENT	1	S	1552.0	1555.0	8.0	7.0			
	245	SVTO	8	S	1632.0	1633.0	2.0	68.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1633.0	1633.0	U	77.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	1738.0	1739.0	3.0	170.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1739.0	1739.0	1.0	170.0			QL=4 ST=2 TYP=3
	2800	PENT	20	GRF	1758.0	1807.0	19.0	4.0			
	245	SGMR	8	S	1903.0	1904.0	2.0	450.0			QL=4 ST=2 TYP=3
	280	CUBA	7	C	1907.8	1908.0	1.8	101.0			
	235	CUBA	7	C	1907.8	1908.0	1.8	1549.0			
09	245	SVTO	43	NS	0447.0	0511.0	25.0	280.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		5.0		
	245	SGMR	43	NS	1007.0	1007.0	68.0	98.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1007.0	1007.0	833.0	98.0			QL=4 ST=1 TYP=1
	235	CUBA	44	NS	1300.0E		530.0D		18.0		
	280	CUBA	44	NS	1300.0E		530.0D		28.0		
	245	SGMR	43	NS	1443.0	1734.0	474.0	150.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1443.0	1444.0	557.0	56.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1508.0	1508.0	35.0	75.0			QL=2 ST=2 TYP=1
	245	SVTO	43	NS	1508.0	1529.0	35.0	75.0			QL=2 ST=3 TYP=1
	245	SVTO	43	NS	1508.0	1508.0	532.0	65.0			QL=2 ST=1 TYP=1
	245	PALE	43	NS	1723.0	1734.0	379.0	190.0			QL=4 ST=2 TYP=1

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

JUNE 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
09	245	PALE	43	NS	1723.0	1734.0	397.0	130.0			QL=4 ST=1 TYP=1
	5730	IRKU	1	S	0038.0	0038.7	2.0	3.0	U		
	200	HIRA	8	S	0202.0	0203.0	1.0	120.0			0
	2840	PEKG	1	S	0211.0	0214.0	6.0	5.7			
	200	HIRA	8	S	0213.0	0214.0	1.0	140.0			0
	5730	IRKU	4	S/F	0213.0	0213.9	7.5	38.0	U		
	245	SVTO	8	S	0435.0	0436.0	1.0	110.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0436.0	0436.0	U	160.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0510.0	0511.0	1.0	220.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0658.0	0658.0	U	78.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0855.0	0856.0	1.0	130.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0855.6	0856.2	0.9	213.0			
	200	HIRA	8	S	0856.0	0856.0	1.0	90.0			0
	245	SVTO	4	S/F	1006.0	1007.0	4.0	100.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1455.0	1502.0	31.0	11.0			
10	245	PALE	43	NS	0100.0	0226.0	113.0	170.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	0100.0	0104.0	1380.0	120.0			QL=4 ST=1 TYP=1
	204	IZMI	43	NS	1014.0		106.0D		5.0		
	280	CUBA	44	NS	1300.0E		530.0D		21.0		
	235	CUBA	44	NS	1300.0E		530.0D		9.0		
	2950	GORK	20	GRF	0351.0	0404.6	38.8	5.9			
	900	GORK	46	C	0354.3	0355.5	4.7	350.0			
	900	GORK	46	C	0354.3	0357.7		420.0			
	2950	GORK	20	GRF	0552.5	0557.3	28.3	7.5			
	5730	IRKU	1	S	0834.2	0835.2	2.8	9.0	U		
	2950	GORK	45	C	1022.2	1027.0		4.5			
	2950	GORK	45	C	1022.2	1023.6	5.2	4.1			
	900	GORK	41	F	1024.4	1026.6	2.9	140.0			
	2950	GORK	29	PBI	1027.4	1027.4	8.1	2.9			
	2695	SVTO	48	C	1646.0	1653.0	20.0	510.0			QL=4 ST=2 TYP=8
	2695	SVTO	4	S/F	1646.0	1649.0	434.0	230.0			QL=4 ST=1 TYP=3
	1415	SVTO	48	C	1647.0	1653.0	19.0	1500.0			QL=4 ST=2 TYP=8
	8800	SVTO	4	S/F	1647.0	1653.0	27.0	270.0			QL=4 ST=2 TYP=3
	4995	SVTO	49	GB	1647.0	1653.0	25.0	590.0			QL=4 ST=2 TYP=6
	15400	SVTO	48	C	1647.0	1653.0	30.0	180.0			QL=4 ST=2 TYP=8
	15400	PALE	4	S/F	1647.0	1653.0	43.0	230.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	1647.0	1647.0	43.0	5000.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	1647.0	1647.0	433.0	57.0			QL=4 ST=1 TYP=3
	15400	PALE	4	S/F	1647.0	1653.0	433.0	230.0			QL=4 ST=1 TYP=3
	6700	CUBA	47	GB	1647.0	1653.1	11.1	2494.0			1R COMPLEX POL
	4995	SGMR	49	GB	1648.0	1653.0	432.0	750.0			QL=4 ST=1 TYP=6
	8800	SGMR	4	S/F	1648.0	1653.0	432.0	380.0			QL=4 ST=1 TYP=3
	2695	SGMR	48	C	1648.0	1653.0	432.0	550.0			QL=4 ST=1 TYP=8
	2695	SGMR	48	C	1648.0	1653.0	432.0	550.0			QL=4 ST=1 TYP=8
	1415	SGMR	48	C	1648.0	1653.0	432.0	1400.0			QL=4 ST=1 TYP=8
	2695	SGMR	4	S/F	1648.0	1649.0	432.0	240.0			QL=4 ST=1 TYP=3
	1415	SGMR	4	S/F	1648.0	1650.0	432.0	290.0			QL=4 ST=1 TYP=3
	2695	SGMR	48	C	1648.0	1653.0U	25.0	550.0			QL=4 ST=2 TYP=8
	1415	SGMR	48	C	1648.0	1653.0U	25.0	1400.0			QL=4 ST=2 TYP=8
	8800	SGMR	4	S/F	1648.0	1653.0U	34.0	380.0			QL=4 ST=2 TYP=3
	4995	SGMR	49	GB	1648.0	1653.0U	36.0	750.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	1649.0	1653.0	15.0	420.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1649.0	1653.0	431.0	420.0			QL=4 ST=1 TYP=3
	1415	PALE	48	C	1650.0	1702.0	17.0	1300.0			QL=4 ST=2 TYP=8
	610	SGMR	48	C	1650.0	1702.0	23.0	4800.0			QL=4 ST=2 TYP=8
	1415	PALE	48	C	1650.0	1653.0	430.0	1100.0			QL=4 ST=1 TYP=8
	1415	PALE	4	S/F	1650.0	1651.0	430.0	120.0			QL=4 ST=1 TYP=3
	610	SGMR	48	C	1650.0	1702.0	430.0	4800.0			QL=4 ST=1 TYP=8
	15400	SGMR	4	S/F	1651.0	1653.0	429.0	160.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1651.0	1653.0U	17.0	160.0			QL=4 ST=2 TYP=3
	410	SVTO	20	GRF	1652.0	1700.0	11.0	52.0			QL=4 ST=2 TYP=2
	4995	PALE	4	S/F	1652.0	1654.0	28.0	470.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	1652.0	1654.0	428.0	470.0			QL=4 ST=1 TYP=3
	410	SGMR	20	GRF	1653.0	1700.0	16.0	48.0			QL=4 ST=2 TYP=2
	245	SVTO	4	S/F	1653.0	1654.0	13.0	120.0			QL=4 ST=2 TYP=3
	610	SVTO	48	C	1653.0	1700.0	15.0	5400.0			QL=4 ST=2 TYP=8
	410	SGMR	4	S/F	1653.0	1653.0	427.0	34.0			QL=4 ST=1 TYP=3
	410	SGMR	46	C	1653.0	1700.0	427.0	48.0			QL=4 ST=1 TYP=8

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
10	280	CUBA	48	C	1653.3	1703.0	16.8	123.0			
	235	CUBA	48	C	1653.3	1703.0	16.8	44.0			
	8800	PALE	4	S/F	1654.0	1655.0	10.0	260.0			QL=4 ST=2 TYP=3
	245	SGMR	20	GRF	1654.0	1654.0	13.0	110.0			QL=4 ST=2 TYP=2
	8800	PALE	4	S/F	1654.0	1655.0	426.0	260.0			QL=4 ST=1 TYP=3
	245	SGMR	4	S/F	1654.0	1654.0	426.0	110.0			QL=4 ST=1 TYP=3
	6700	CUBA	29	PBI	1658.1		110.9	231.0	115.0		4R
	33	UPIC	48	C	1707.0	1711.0	9.0				
	610	SGMR	8	S	1733.0	1734.0	2.0	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1733.0	1734.0	2.0	63.0			QL=4 ST=2 TYP=3
	610	SGMR	49	GB	1737.0	1741.0	42.0	9400.0			QL=4 ST=2 TYP=6
	610	SGMR	49	GB	1737.0	1741.0	383.0	9400.0			QL=4 ST=1 TYP=6
	410	SGMR	49	GB	1738.0	1741.0	43.0	2900.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	1738.0	1741.0	382.0	2900.0			QL=4 ST=1 TYP=6
	1415	SGMR	4	S/F	1756.0	1800.0	23.0	170.0			QL=4 ST=2 TYP=3
11	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	235	CUBA	44	NS	1300.0E		530.0D		9.0		
	500	HIRA	42	SER	0034.0	0037.0	3.0	30.0			WL
	200	HIRA	8	S	0035.0	0035.0	1.0	120.0			0
	500	HIRA	8	S	0118.0	0118.0	1.0	40.0			0
	2840	PEKG	1	S	0258.0	0301.0	5.0	9.5			
	5730	IRKU	1	S	0300.1	0300.6	6.9	21.0	U		
	2840	PEKG	5	S	0355.0	0358.0	5.0	10.7			
	5730	IRKU	4	S/F	0358.0	0359.4	4.0	32.0	U		
	5730	IRKU	20	GRF	0810.8	0815.0U	13.2U	27.0	U		
	204	IZMI	42	SER	0900.8	0901.4	1.7	45.0			
	2950	GORK	21	GRF	0912.8	0930.0	61.2	5.9			
	900	GORK	42	SER	0920.3	0925.1		55.0			
	900	GORK	42	SER	0920.3	0920.5	10.7	18.0			
	900	GORK	42	SER	0920.3	0921.6		13.0			
	33	UPIC	42	SER	0922.0		316.5				
	2840	PEKG	5	S	0923.0	0927.0	9.0	17.8			
	600	GORK	4	S/F	0923.5	0924.8	5.8	42.0			
	610	SVTO	4	S/F	0924.0	0925.0	6.0	50.0			QL=4 ST=2 TYP=3
	3000	IZMI	21	GRF	0924.2	0927.4	14.3	26.0			
	2950	GORK	7	C	0924.3	0927.4		15.0			
	2950	GORK	7	C	0924.3	0924.7	4.7	5.1			
	1415	SVTO	8	S	0925.0	0925.0	U	23.0			QL=4 ST=2 TYP=3
	5730	IRKU	4	S/F	0926.0	0926.5	7.0	56.0	U		
	8800	SVTO	8	S	0927.0	0927.0	U	27.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0927.0	0927.0	1.0	55.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1022.0	1023.0	1.0	42.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1023.0	1023.0	U	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1023.0	1023.0	1.0	58.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1023.0	1023.0	1.0	55.0			QL=4 ST=2 TYP=3
	4995	SVTO	48	C	1031.0	1043.0	34.0	93.0			QL=4 ST=2 TYP=8
	2950	GORK	23	GRF	1031.0	1043.8	38.8D	18.0			
	2950	GORK	23	GRF	1031.0	1045.9		18.0			
	3000	IZMI	45	C	1031.4	1035.7	34.6	27.0			
	900	GORK	46	C	1033.2	1034.7	4.1	19.0			
	8800	SVTO	4	S/F	1041.0	1043.0	9.0	37.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1041.0	1043.0	20.0	66.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1041.0	1043.0	799.0	66.0			QL=4 ST=1 TYP=3
	2695	SVTO	4	S/F	1042.0	1045.0	3.0	23.0			QL=4 ST=2 TYP=3
	2695	SGMR	20	GRF	1042.0	1047.0	19.0	45.0			QL=4 ST=2 TYP=2
	8800	SGMR	46	C	1042.0	1047.0	19.0	35.0			QL=4 ST=2 TYP=8
	8800	SGMR	46	C	1042.0	1047.0	798.0	35.0			QL=4 ST=1 TYP=8
	2695	SGMR	4	S/F	1042.0	1043.0	798.0	37.0			QL=4 ST=1 TYP=3
	15400	SVTO	4	S/F	1043.0	1052.0	9.0	25.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1047.0	1047.0	14.0	54.0			QL=2 ST=2 TYP=3
	15400	SGMR	4	S/F	1047.0	1047.0	793.0	54.0			QL=4 ST=1 TYP=3
	600	GORK	20	GRF	1057.5	1103.3	10.5	5.0			
	204	IZMI	42	SER	1151.0	1152.0	2.4	52.0			
	245	SGMR	8	S	1151.0	1152.0	1.0	95.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1151.0	1152.0	1.0	79.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1251.0	1252.0	5.0	33.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1251.0	1251.0	5.0	68.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1251.0	1251.0	5.0	27.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
11	610	SGMR	4	S/F	1251.0	1251.0	5.0	73.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1251.0	1251.0	3.0	65.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1251.0	1251.0	1.0	84.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1251.0	1252.0	5.0	45.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1251.0	1252.0	1.0	25.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1251.0	1252.0	2.0	31.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1251.0	1251.0	2.0	51.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1251.0	1251.0	2.0	64.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1251.0	1251.0	U	60.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1251.0	1251.0	2.0	58.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1251.0	1252.0	669.0	33.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	1251.0	1251.0	669.0	68.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1251.0	1251.0	669.0	73.0			QL=4 ST=1 TYP=3
	245	SGMR	4	S/F	1251.0	1251.0	669.0	84.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	1251.0	1251.0	669.0	65.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1251.0	1252.0	669.0	45.0			QL=4 ST=1 TYP=3
	1415	SGMR	4	S/F	1251.0	1251.0	669.0	27.0			QL=4 ST=1 TYP=3
	6700	CUBA	1	S	1350.2	1350.5	0.8	9.0	4.0		OOR
	2800	PENT	1	S	1431.0	1435.0	7.0	12.0			
	245	SGMR	8	S	1436.0	1437.0	1.0	410.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1436.0	1437.0	1.0	320.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1450.2	1450.5	0.8	10.0	5.0		
	245	PALE	8	S	1704.0	1704.0	1.0	97.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1704.0	1704.0	1.0	74.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1704.0	1704.0	U	58.0			QL=2 ST=2 TYP=3
	2800	PENT	1	S	1813.0	1816.0	5.0	6.0			
12	204	IZMI	43	NS	0947.0		133.0D		10.0		
	280	CUBA	44	NS	1300.0E		285.0D		24.0		
	235	CUBA	44	NS	1300.0E		530.0D		12.0		
	280	CUBA	44	NS	1300.0E		530.0D		20.0		
	5730	IRKU	45	C	0124.0	0232.2	94.0	26.0	U		
	2800	PENT	1	S	0128.0	0132.0	7.0	27.0			
	2840	PEKG	5	S	0128.0	0131.5	8.0	23.7			
	1415	LEAR	4	S/F	0130.0	0137.0	7.0	37.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0131.0	0134.0	4.0	50.0			O
	500	HIRA	42	SER	0131.0	0135.0	4.0	150.0			WL
	15400	LEAR	8	S	0131.0	0132.0	1.0	6.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0131.0	0133.0	2.0	180.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	0131.0	0132.0	1.0	89.0			QL=4 ST=2 TYP=3
	245	PALE	48	C	0131.0	0133.0	3.0	350.0			QL=4 ST=2 TYP=8
	2695	PALE	8	S	0132.0	0132.0	U	25.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	0133.0	0133.0	U	34.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0257.0	0259.0	8.0	58.8			
	200	HIRA	42	SER	0258.0	0300.0	5.0	400.0			O
	2800	HIRA	3	S	0258.0	0300.0	3.0	70.0			WR
	500	HIRA	4	S/F	0258.0	0300.0	4.0	170.0			ML
	2695	LEAR	8	S	0258.0	0259.0	2.0	81.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0258.0	0259.0	2.0	100.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0258.0	0259.0	2.0	150.0			QL=4 ST=2 TYP=3
	5730	IRKU	4	S/F	0258.7	0259.7	6.8	27.0	U		
	1415	LEAR	8	S	0259.0	0259.0	U	25.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0259.0	0259.0	U	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0259.0	0259.0	U	32.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0259.0	0259.0	1.0	37.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0259.0	0259.0	1.0	26.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0259.0	0259.0	1.0	180.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0259.0	0259.0	1.0	87.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0302.0	0302.0	U	22.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0302.0	0302.0	U	24.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0303.0	0303.0	U	64.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0303.0	0303.0	U	34.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0306.0	0306.0	U	110.0			QL=4 ST=2 TYP=3
	2950	GORK	2	S/F	0419.6	0419.6	1.6	4.3			
	600	GORK	4	S/F	0419.6	0419.8	0.5	18.0			
	33	UPIC	42	SER	0838.0		159.0				
	2840	PEKG	1	S	0854.0	0856.5	5.0	4.9			
	3000	IZMI	5	S	0856.1	0856.7	1.7	13.0			
	2950	GORK	1	S	0856.2	0856.8	1.4	6.3			

SOLAR RADIO EMISSION
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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
12	900	GORK	1	S	0856.3	0856.9	1.3	2.7			
	3000	IZMI	1	S	0909.9	0912.7	3.9	10.0			
	200	HIRA	42	SER	0912.0	0913.0	2.0	100.0			0
	245	LEAR	4	S/F	0912.0	0913.0	6.0	120.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0912.0	0913.0	2.0	110.0			QL=4 ST=2 TYP=3
	2950	GORK	1	S	0912.5	0912.7	0.4	3.6			
	204	IZMI	42	SER	0912.6	0913.3	1.5	198.0			
	204	IZMI	42	SER	0943.7	0944.3	1.0	105.0			
	204	IZMI	45	C	1009.2	1010.6	57.0	1032.0			
	245	SGMR	8	S	1010.0	1010.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1010.0	1011.0	1.0	36.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1010.0	1011.0	1.0	44.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1010.0	1010.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1115.0	1116.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1115.0	1116.0	1.0	100.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	1115.7	1116.1	0.7	307.0			
	410	SGMR	8	S	1317.0	1317.0	U	130.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1317.0	1317.0	U	410.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1317.0	1317.0	1.0	160.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1317.0	1317.0	1.0	200.0			QL=2 ST=2 TYP=3
	2800	PENT	29	PBI	2044.0	2047.0	27.0	23.0			
13	204	IZMI	43	NS	0707.0		247.0D		10.0		
	245	SGMR	43	NS	1026.0	1028.0	139.0	98.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1026.0	1028.0	814.0	98.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1114.0	1121.0	766.0	72.0			QL=2 ST=1 TYP=1
	245	SVTO	44	NS	1114.0E	1151.0U	62.0D	88.0			QL=2 ST=2 TYP=1
	127	TORN	44	NS	1250.0E		150.0D		5.0		V=1
	235	CUBA	44	NS	1300.0E		530.0D		15.0		
	5730	IRKU	8	S	0500.5	0500.8	1.0	8.0	U		
	245	SVTO	8	S	0555.0	0555.0	1.0	68.0			QL=2 ST=2 TYP=3
	2950	GORK	1	S	0723.1	0723.4	0.9	3.4			
	900	GORK	46	C	0725.1	0726.0		50.0			
	900	GORK	46	C	0725.1	0725.5	1.1	75.0			
	204	IZMI	25	R	0741.5		62.5		60.0		
	204	IZMI	25	R	0940.0		130.0		60.0		
	2950	GORK	21	GRF	1018.2	1055.0	38.8D	6.9			
	245	SVTO	49	GB	1025.0	1026.0	5.0	720.0			QL=4 ST=2 TYP=6
	204	IZMI	45	C	1025.3	1028.3	11.0	369.0			
	2950	GORK	42	SER	1028.2	1028.4	9.7	3.3			
	2950	GORK	42	SER	1028.2	1037.7		4.1			
	900	GORK	4	S/F	1028.5	1029.1	0.8	26.0			
	9500	CUBA	20	GRF	1319.0E	1319.0	97.0D	18.0	9.0		
	6700	CUBA	20	GRF	1326.0E	1326.0	109.0D	15.0			OOL
	2800	PENT	20	GRF	1327.0	1339.0	42.0	10.0			
	245	SGMR	8	S	1342.0	1342.0	1.0	78.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1342.0	1342.0	U	68.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1343.0	1344.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1612.0	1612.0	U	74.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1612.0	1612.0	1.0	55.0			QL=4 ST=2 TYP=3
	2800	PENT	3	S	1619.0	1622.0	9.0	4.0			
	200	HIRA	42	SER	2348.0	2348.0	2.0	70.0			0
	500	HIRA	8	S	2348.0	2348.0	1.0	150.0			0
14	245	LEAR	43	NS	0002.0	0005.0	33.0	71.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0002.0	0005.0	1438.0	71.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0418.0	0459.0	125.0	120.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0418.0	0459.0	1182.0	120.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		20.0		
	127	TORN	44	NS	0620.0E		360.0D		10.0		V=1,DISTURBED
	245	LEAR	43	NS	0742.0	0806.0	24.0	72.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0742.0	0806.0	24.0	74.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0742.0	0806.0	978.0	72.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0742.0	0806.0	978.0	74.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1005.0	1048.0	199.0	230.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1005.0	1048.0	835.0	230.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1005.0	1017.0	835.0	98.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1108.0	1108.0	227.0	130.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1108.0	1108.0	772.0	130.0			QL=4 ST=1 TYP=1

SOLAR RADIO EMISSION
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JUNE 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
14	280	CUBA	44	NS	1300.0E		467.0D		23.0		
	235	CUBA	44	NS	1300.0E		465.0D		11.0		
	5730	IRKU	1	S	0127.4	0127.7	2.0	7.0	U		
	245	LEAR	8	S	0140.0	0141.0	1.0	74.0			QL=4 ST=2 TYP=3
	5730	IRKU	1	S	0143.0	0147.2	17.0	27.0	U		
	2840	PEKG	5	S	0144.0	0147.0	7.0	10.4			
	8800	LEAR	8	S	0147.0	0147.0	U	27.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0147.0	0147.0	U	36.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0419.0	0422.0	10.0	28.7			
	5730	IRKU	4	S/F	0420.0	0422.3	33.0	53.0	U		
	8800	LEAR	8	S	0421.0	0422.0	2.0	40.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0421.0	0422.0	2.0	43.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	0421.0	0422.0	1.0	37.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	0421.0	0422.0	2.0	56.0			QL=2 ST=2 TYP=3
	2950	GORK	3	S	0421.3	0422.3	5.7	29.0			
	600	GORK	2	S/F	0421.3	0422.3	2.2	1.6			
	900	GORK	3	S	0421.9	0422.3	0.7	30.0			
	2695	LEAR	8	S	0422.0	0422.0	U	24.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0422.0	0422.0	U	95.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0422.0	0422.0	U	45.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0459.0	0459.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0526.0	0526.0	U	77.0			QL=4 ST=2 TYP=3
	2950	GORK	20	GRF	0542.8	0545.0	13.5	4.4			
	900	GORK	40	F	0739.9	0741.4	2.8	10.0			
	245	SVTO	8	S	0742.0	0742.0	1.0	55.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0742.0	0742.0	1.0	55.0			QL=2 ST=4 TYP=3
	2950	GORK	1	S	0914.0	0915.8	2.3	2.6			
	2800	PENT	1	S	1341.0	1346.0	11.0	33.0			
	245	SVTO	49	GB	1345.0	1348.0	3.0	1900.0			QL=2 ST=2 TYP=6
	1415	SGMR	8	S	1346.0	1346.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1346.0	1348.0	6.0	1900.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1346.0	1346.0	U	48.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1346.0	1346.0	4.0	54.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1346.0	1346.0	1.0	68.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1346.0	1346.0	U	39.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1346.0	1348.0	614.0	1900.0			QL=4 ST=1 TYP=6
	1415	SGMR	4	S/F	1346.0	1346.0	614.0	60.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1346.0	1346.0	614.0	54.0			QL=4 ST=1 TYP=3
	280	CUBA	7	C	1348.0	1349.3	2.0	2643.0			
	235	CUBA	7	C	1348.0	1348.3	2.0	1294.0			
	245	PALE	4	S/F	1655.0	1656.0	5.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1655.0	1656.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1656.0	1656.0	2.0	100.0			QL=4 ST=2 TYP=3
15	204	IZMI	43	NS	1050.0		70.0		5.0		
	280	CUBA	44	NS	1300.0E		460.0D		23.0		
	235	CUBA	44	NS	1300.0E		460.0D		10.0		
	245	SVTO	43	NS	1657.0	1708.0	11.0	90.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1657.0	1708.0	423.0	90.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1705.0	1726.0	57.0	240.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1705.0	1731.0	65.0	150.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1705.0	1705.0	415.0	76.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1705.0	1708.0	415.0	97.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1705.0	1908.0	415.0	97.0			QL=4 ST=1 TYP=1
	2840	PEKG	20	GRF	0517.0	0524.0	12.0	10.8			
	2950	GORK	46	C	0518.4	0524.2		27.0			
	2950	GORK	46	C	0518.4	0521.4	10.6	22.0			
	600	GORK	46	C	0519.7	0524.0		9.7			
	5730	IRKU	45	C	0519.7	0523.7	10.3	30.0	U		
	600	GORK	46	C	0519.7	0520.8	7.5	4.4			
	900	GORK	46	C	0520.7	0524.0		13.0			
	900	GORK	46	C	0520.7	0525.0	8.1	4.9			
	200	HIRA	8	S	0719.0	0720.0	1.0	110.0			0
	204	IZMI	41	F	0719.3	0719.7	1.1	167.0			
	204	IZMI	7	C	0823.6	0823.8	0.8	22.0			
	204	IZMI	42	SER	0840.2	0840.4	16.0	77.0			
	610	SGMR	8	S	1014.0	1014.0	2.0	77.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1014.0	1014.0	2.0	20.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1014.0	1014.0	2.0	83.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
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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	8	S	1014.0	1014.0	1.0	73.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1014.0	1014.0	1.0	84.0			QL=4 ST=2 TYP=3
	3000	IZMI	5	S	1131.1	1131.5	1.2	15.0			
	410	SGMR	8	S	1218.0	1218.0	1.0	220.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1218.0	1218.0	1.0	320.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1235.0	1235.0	1.0	72.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1235.0	1236.0	1.0	82.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1242.0	1243.0	1.0	57.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1243.0	1243.0	U	90.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1347.0	1354.0	8.0	57.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1347.0	1355.0	10.0	86.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1354.0	1355.0	1.0	85.0			QL=2 ST=2 TYP=3
	2800	PENT	42	SER	1506.0	1559.0	86.0	36.0			
	6700	CUBA	2	S/F	1511.8	1512.0	2.0	52.0	26.0		00L
	410	SGMR	4	S/F	1512.0	1512.0	5.0	290.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1512.0	1513.0	2.0	450.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1512.0	1512.0	5.0	95.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1512.0	1513.0	1.0	370.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1512.0	1514.0	2.0	27.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1512.0	1513.0	2.0	190.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1512.0	1513.0	2.0	64.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1512.0	1513.0	2.0	69.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1513.0	1514.0	4.0	34.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1513.0	1513.0	4.0	61.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1513.0	1514.0	4.0	27.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1513.0	1514.0	1.0	19.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1513.0	1515.0	4.0	12.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1513.0	1513.1	1.8	66.0	33.0		
	245	SVTO	8	S	1551.0	1553.0	2.0	88.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1553.0	1553.0	U	76.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1558.0	1559.0	6.0	44.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1558.0	1559.0	6.0	51.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1558.4	1559.1	1.4	16.0	8.0		18L
	4995	SGMR	4	S/F	1559.0	1559.0	5.0	35.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1559.0	1559.0	5.0	14.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1559.0	1559.0	5.0	29.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1559.0	1559.0	5.0	25.0			QL=4 ST=2 TYP=3
	245	SGMR	46	C	1559.0	1602.0	5.0	36.0			QL=4 ST=2 TYP=8
	15400	SGMR	4	S/F	1559.0	1559.0	5.0	20.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1639.0	1640.0	1.0	130.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	1711.0	1720.0	58.0	19.0	9.0		3R
	9500	CUBA	21	GRF	1716.0	1719.0	32.0	12.0	6.0		
	6700	CUBA	2	S/F	1716.5	1718.0	3.5	38.0	19.0		6R
	9500	CUBA	2	S/F	1717.9	1718.2	1.1	18.0	9.0		
	245	PALE	4	S/F	1725.0	1726.0	3.0	290.0			QL=4 ST=2 TYP=3
	2800	PENT	42	SER	1907.0	1913.0	15.0	30.0			
	410	PALE	8	S	1912.0	1913.0	1.0	80.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1912.0	1913.2	7.0	13.0	6.0		
	6700	CUBA	2	S/F	1912.0	1913.2	7.2	20.0	10.0		13L
	245	PALE	8	S	1923.0	1924.0	2.0	290.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1923.0	1923.0	1.0	200.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1931.6	1932.2	0.6	12.0	6.0		00L
	6700	CUBA	21	GRF	1938.0	2009.0	43.0	30.0	15.0		5L
	6700	CUBA	46	C	1940.0	1942.2	8.0	319.0	115.0		10L
	1415	PALE	4	S/F	1941.0	1944.0	5.0	63.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1941.0	1943.0	6.0	69.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1941.0	1948.0	7.0	62.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1941.0	1944.0	7.0	290.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1941.0	1943.0	5.0	32.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1941.0	1944.0	8.0	200.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1941.0	1944.0	8.0	390.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1941.0	1949.0	10.0	73.0			QL=4 ST=2 TYP=3
	9500	CUBA	21	GRF	1941.0	2001.0	40.0D	23.0			2021 OFF
	1415	PALE	4	S/F	1941.0	1944.0	259.0	63.0			QL=4 ST=1 TYP=3
	1415	SGMR	4	S/F	1941.0	1944.0	259.0	64.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1941.0	1944.0	259.0	300.0			QL=4 ST=1 TYP=3
	610	PALE	8	S	1942.0	1944.0	2.0	40.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1942.0	1944.0	5.0	250.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	1942.0	1944.0	6.0	380.0			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

JUNE 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
15	410	PALE	4	S/F	1942.0	1943.0	4.0	82.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1942.0	1944.0	7.0	82.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	1942.0	1943.0	258.0	82.0			QL=4 ST=1 TYP=3
	2695	PALE	4	S/F	1942.0	1944.0	258.0	250.0			QL=4 ST=1 TYP=3
	4995	PALE	4	S/F	1942.0	1944.0	258.0	380.0			QL=4 ST=1 TYP=3
	610	PALE	4	S/F	1942.0	1944.0	258.0	40.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	1942.0	1943.0	258.0	78.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1942.0	1943.0	258.0	40.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	1942.0	1944.0	258.0	400.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	1942.0	1944.0	258.0	200.0			QL=4 ST=1 TYP=3
	9500	CUBA	46	C	1942.8	1944.0	5.2	122.0			
	15400	PALE	4	S/F	1943.0	1944.0	4.0	99.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1943.0	1944.0	3.0	160.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	1943.0	1944.0	257.0	99.0			QL=4 ST=1 TYP=3
	8800	PALE	4	S/F	1943.0	1944.0	257.0	160.0			QL=4 ST=1 TYP=3
	2800	PENT	29	PBI	2110.0	2122.0	92.0U	84.0			
	2800	HIRA	4	S/F	2122.0	2123.0	3.0	80.0			0
	4995	PALE	8	S	2122.0	2122.0	2.0	88.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	2122.0	2122.0	1.0	28.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2122.0	2122.0	1.0	80.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2122.0	2124.0	2.0	47.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2122.0	2124.0	5.0	63.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2122.0	2122.0	5.0	110.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	2122.0	2123.0	2.0	100.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2122.0	2122.0	5.0	96.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2123.0	2123.0	U	91.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	2331.0	2342.0	31.0	88.0			
	500	HIRA	46	C	2337.0	2339.0	7.0	40.0			WR
	200	HIRA	42	SER	2337.0	2339.0	3.0	140.0			0
	610	LEAR	4	S/F	2337.0	2339.0	7.0	60.0			QL=2 ST=2 TYP=3
	2840	PEKG	3	S	2337.0	2342.0	10.0	68.0			
	5730	IRKU	46	C	2337.6	2342.2	6.4	183.0	U		
	500	HIRA	8	S	2338.0	2339.0	1.0	140.0			0
	245	LEAR	8	S	2338.0	2338.0	2.0	270.0			QL=2 ST=2 TYP=3
	1415	LEAR	8	S	2338.0	2338.0	U	29.0			QL=2 ST=2 TYP=3
	410	PALE	48	C	2338.0	2342.0	7.0	720.0			QL=4 ST=2 TYP=8
	245	PALE	49	GB	2338.0	2338.0	1.0	690.0			QL=4 ST=2 TYP=6
	1415	PALE	8	S	2338.0	2338.0	U	26.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2338.0	2339.0	6.0	76.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2338.0	2338.0	22.0	270.0			QL=4 ST=1 TYP=3
	610	PALE	4	S/F	2338.0	2339.0	22.0	76.0			QL=4 ST=1 TYP=3
	245	PALE	49	GB	2338.0	2338.0	22.0	690.0			QL=4 ST=1 TYP=6
	410	PALE	48	C	2338.0	2342.0	22.0	720.0			QL=4 ST=1 TYP=8
	8800	LEAR	4	S/F	2339.0	2341.0	4.0	200.0			QL=2 ST=2 TYP=3
	2800	HIRA	4	S/F	2340.0	2342.0	4.0	60.0			0
	15400	LEAR	4	S/F	2340.0	2341.0	3.0	100.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	2341.0	2342.0	1.0	450.0			QL=2 ST=2 TYP=3
	4995	LEAR	8	S	2341.0	2342.0	1.0	150.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	2341.0	2342.0	1.0	85.0			QL=2 ST=2 TYP=3
	2695	PALE	8	S	2341.0	2342.0	1.0	59.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	2341.0	2342.0	1.0	32.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2341.0	2342.0	2.0	130.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2341.0	2342.0	2.0	97.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	2341.0	2342.0	19.0	220.0			QL=4 ST=1 TYP=3
	4995	LEAR	4	S/F	2341.0	2342.0	19.0	52.0			QL=4 ST=1 TYP=3
	2695	LEAR	4	S/F	2341.0	2342.0	19.0	60.0			QL=4 ST=1 TYP=3
	4995	PALE	4	S/F	2341.0	2342.0	19.0	130.0			QL=4 ST=1 TYP=3
	8800	PALE	4	S/F	2341.0	2342.0	19.0	97.0			QL=4 ST=1 TYP=3
	2695	PALE	4	S/F	2341.0	2342.0	19.0	59.0			QL=4 ST=1 TYP=3
	500	HIRA	8	S	2344.0	2345.0	1.0	340.0			0
16	235	CUBA	44	NS	1300.0E		465.0D		9.0		
	280	CUBA	44	NS	1300.0E		465.0D		21.0		
	245	LEAR	8	S	0129.0	0130.0	2.0	43.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0129.0	0130.0	2.0	43.0			QL=2 ST=4 TYP=3
	410	LEAR	8	S	0130.0	0130.0	1.0	32.0			QL=2 ST=4 TYP=3
	410	LEAR	8	S	0130.0	0130.0	1.0	32.0			QL=2 ST=2 TYP=3
	2840	PEKG	1	S	0257.0	0300.0	5.0	4.9			
	2950	GORK	20	GRF	0642.6	0643.9	14.9	6.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
16	3000	IZMI	5	S	0649.3	0649.8	1.2	9.0	4.0		
	245	LEAR	8	S	0659.0	0700.0	1.0	57.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0659.0	0700.0	1.0	61.0			QL=2 ST=2 TYP=3
	2840	PEKG	1	S	0708.0	0711.0	10.0	8.8			
	3000	IZMI	22	GRF	0708.8	0710.7	4.1	19.0			
	600	GORK	40	F	0709.2	0711.3	5.0	23.0			
	2950	GORK	4	S/F	0709.5	0710.7	1.7	14.0			
	5730	IRKU	4	S/F	0710.1	0710.4	1.5	7.0	U		
	2950	GORK	30	PBI	0711.2	0711.2	9.8	8.4			
	2950	GORK	1	S	0711.8	0712.1	0.6	2.8			
	245	SVTO	4	S/F	0712.0	0714.0	4.0	380.0			QL=2 ST=2 TYP=3
	204	IZMI	7	C	0736.7	0737.2	1.4	41.0			
	2950	GORK	20	GRF	0836.8	0839.6	9.3	5.8			
	3000	IZMI	20	GRF	0838.7	0839.2	5.5	7.0			
	204	IZMI	7	C	0841.5	0841.7	0.7	21.0			
	204	IZMI	41	F	1004.1	1004.4	3.3	30.0			
	245	SGMR	8	S	1015.0	1016.0	1.0	51.0			QL=4 ST=2 TYP=3
	245	SGMR	48	C	1021.0	1028.0	7.0	72.0			QL=4 ST=2 TYP=8
	204	IZMI	41	F	1029.8	1030.3	0.9	20.0			
	9500	CUBA	1	S	1321.5	1322.6	2.0	23.0	11.0		
	6700	CUBA	2	S/F	1321.5	1322.7	2.0	21.0	10.0		5L
	2800	PENT	42	SER	1328.0	1342.0	19.0	7.0			
	6700	CUBA	2	S/F	1331.4	1333.9	5.0	16.0	8.0		5L
	2800	PENT	1	S	1417.0	1420.0	7.0	11.0			
	410	SGMR	8	S	1803.0	1803.0	U	67.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2356.0	2356.0	1.0	190.0			QL=4 ST=2 TYP=3
17	235	CUBA	44	NS	1300.0E		530.0D		11.0		
	280	CUBA	44	NS	1300.0E		530.0D		24.0		
	245	LEAR	8	S	0000.0	0000.0	1.0	94.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0229.0	0234.0	12.0	28.6			
	2800	HIRA	4	S/F	0230.0	0234.0	6.0	40.0			0
	8800	LEAR	4	S/F	0230.0	0231.0	5.0	96.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0230.0	0231.0	6.0	66.0			QL=4 ST=2 TYP=3
	5730	IRKU	4	S/F	0230.3	0232.0	94.7	96.0	U		
	1415	LEAR	4	S/F	0231.0	0234.0	4.0	31.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0231.0	0233.0	4.0	51.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0231.0	0231.0	1.0	31.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0231.0	0233.0	3.0	38.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0231.0	0233.0	4.0	61.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0231.0	0231.0	1.0	35.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0236.0	0236.0	U	54.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0250.0	0251.0	1.0	280.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0250.0	0251.0	2.0	88.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0250.0	0251.0	1.0	98.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	0250.0	0251.0	3.0	340.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0255.0	0257.0	5.0	9.5			
	2695	PALE	4	S/F	0256.0	0257.0	3.0	38.0			QL=4 ST=2 TYP=3
	4995	PALE	20	GRF	0258.0	0305.0	12.0	56.0			QL=4 ST=2 TYP=2
	245	LEAR	8	S	0304.0	0304.0	U	49.0			QL=4 ST=2 TYP=3
	500	HIRA	46	C	0305.0	0307.0	8.0	200.0			WL
	1415	LEAR	4	S/F	0305.0	0307.0	4.0	58.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0305.0	0308.0	5.0	9.5			
	610	LEAR	4	S/F	0306.0	0307.0	3.0	99.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0306.0	0307.0	2.0	110.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0306.0	0307.0	1.0	70.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0307.0	0307.0	U	23.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0307.0	0307.0	U	87.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0307.0	0307.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0315.0	0315.0	U	30.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0316.0	0316.0	U	88.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0340.0	0341.0	19.0	600.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	0340.0	0342.0	11.0	790.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	0340.0	0342.0	1220.0	790.0			QL=4 ST=1 TYP=6
	600	GORK	46	C	0340.5	0352.2		170.0			
	600	GORK	46	C	0340.5	0346.5	19.5	90.0			
	600	GORK	46	C	0340.5	0353.7		160.0			
	500	HIRA	46	C	0343.0	0352.0	11.0	70.0			WL
	2840	PEKG	3	S	0343.0	0352.0	19.0	69.7			

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

JUNE 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
17	410	PALE	4	S/F	0345.0	0347.0	4.0	100.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	0345.0	0346.0	3.0	100.0			QL=4 ST=2 TYP=3
	610	LEAR	48	C	0345.0	0352.0	12.0	180.0			QL=4 ST=2 TYP=8
	410	LEAR	20	GRF	0345.0	0347.0	12.0	72.0			QL=4 ST=2 TYP=2
	610	PALE	4	S/F	0345.0	0346.0	1215.0	100.0			QL=4 ST=1 TYP=3
	2950	GORK	45	C	0345.0	0347.1	15.4	22.0			
	900	GORK	46	C	0345.0	0352.2		90.0			
	900	GORK	46	C	0345.0	0346.2	14.1	42.0			
	2950	GORK	45	C	0345.0	0352.5		60.0			
	900	GORK	46	C	0345.0	0353.8		67.0			
	1415	LEAR	8	S	0346.0	0346.0	2.0	67.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0346.0	0346.0	1.0	81.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0346.0	0346.0	3.0	69.0			QL=2 ST=2 TYP=3
	1415	PALE	4	S/F	0346.0	0346.0	1214.0	81.0			QL=4 ST=1 TYP=3
	2800	HIRA	3	S	0350.0	0352.0	12.0	60.0			0
	2695	LEAR	4	S/F	0351.0	0352.0	5.0	69.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0351.0	0352.0	3.0	42.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0351.0	0352.0	5.0	87.0			QL=2 ST=2 TYP=3
	1415	SVTO	4	S/F	0351.0	0352.0	7.0	64.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	0351.0	0352.0	2.0	44.0			QL=2 ST=2 TYP=3
	4995	PALE	8	S	0353.0	0353.0	1.0	59.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0439.0	0439.0	U	90.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0439.0	0439.0	U	80.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1011.7	1012.1	3.7	43.0			
	245	SGMR	4	S/F	1059.0	1102.0	4.0	56.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1315.0	1317.0	3.0	60.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1316.0	1317.0	3.0	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1317.0	1317.0	U	53.0			QL=4 ST=3 TYP=3
	6700	CUBA	21	GRF	1509.0	1513.0	35.0	11.0	5.0		00L
	6700	CUBA	1	S	1511.3	1511.8	1.3	8.0	4.0		13L
	245	SGMR	8	S	1521.0	1522.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1521.0	1522.0	1.0	54.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1757.0	1759.0	5.0	57.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1759.0	1759.0	U	54.0			QL=4 ST=2 TYP=3
	2800	PENT	21	GRF	2031.0	2038.0	74.0	10.0			
18	204	IZMI	43	NS	0600.0		360.0D		25.0		
	245	LEAR	43	NS	0648.0	0649.0	161.0	170.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0648.0	0649.0	1032.0	170.0			QL=4 ST=1 TYP=1
	127	TORN	43	NS	0820.0		350.0		13.0		V=1
	245	SGMR	43	NS	1011.0	1124.0	646.0	240.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1011.0	1124.0	829.0	240.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1011.0	1016.0	829.0	110.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1501.0	1528.0	137.0	200.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	1501.0	1528.0	539.0	200.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1501.0	1504.0	539.0	74.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1629.0	1818.0	226.0	190.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1629.0	1630.0U	451.0	100.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	2315.0	2322.0	45.0	110.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	2315.0	2329.0	240.0	160.0			QL=4 ST=2 TYP=1
	2840	PEKG	3	S	0153.0	0157.0	12.0	170.5			
	245	LEAR	49	GB	0154.0	0158.0	8.0	11000.0			QL=4 ST=2 TYP=6
	5730	IRKU	46	C	0154.0	0157.6	13.0	438.0	U		
	2800	HIRA	4	S/F	0155.0	0157.0	6.0	240.0			0
	200	HIRA	47	GB	0155.0	0159.0	9.0	1800.0			0
	4995	LEAR	4	S/F	0155.0	0157.0	4.0	310.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0155.0	0157.0	4.0	290.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0155.0	0157.0	4.0	570.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	0155.0	0157.0	4.0	300.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0155.0	0157.0	4.0	340.0			QL=4 ST=2 TYP=3
	500	HIRA	46	C	0155.0	0158.0	10.0	40.0			0
	8800	LEAR	49	GB	0155.0	0157.0	1325.0	570.0			QL=4 ST=1 TYP=6
	4995	PALE	4	S/F	0155.0	0157.0	1325.0	340.0			QL=4 ST=1 TYP=3
	2695	PALE	4	S/F	0155.0	0157.0	1325.0	300.0			QL=4 ST=1 TYP=3
	500	HIRA	8	S	0156.0	0157.0	1.0	180.0			0
	15400	LEAR	49	GB	0156.0	0157.0	2.0	530.0			QL=4 ST=2 TYP=6
	610	LEAR	4	S/F	0156.0	0157.0	4.0	170.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0156.0	0157.0	4.0	230.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0156.0	0158.0	7.0	12000.0			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

JUNE 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
18	15400	PALE	49	GB	0156.0	0157.0	2.0	560.0			QL=4 ST=2 TYP=6
	610	PALE	4	S/F	0156.0	0157.0	4.0	160.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	0156.0	0157.0	4.0	280.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	0156.0	0157.0	2.0	580.0			QL=4 ST=2 TYP=6
	15400	LEAR	49	GB	0156.0	0157.0	1324.0	530.0			QL=4 ST=1 TYP=6
	610	PALE	4	S/F	0156.0	0157.0	1324.0	160.0			QL=4 ST=1 TYP=3
	8800	PALE	49	GB	0156.0	0157.0	1324.0	580.0			QL=4 ST=1 TYP=6
	1415	PALE	4	S/F	0156.0	0157.0	1324.0	280.0			QL=4 ST=1 TYP=3
	15400	PALE	49	GB	0156.0	0157.0	1324.0	560.0			QL=4 ST=1 TYP=6
	245	PALE	49	GB	0156.0	0158.0	1324.0	12000.0			QL=4 ST=1 TYP=6
	410	LEAR	49	GB	0157.0	0158.0	2.0	1900.0			QL=4 ST=2 TYP=6
	410	PALE	49	GB	0157.0	0158.0	3.0	4200.0			QL=4 ST=2 TYP=6
	410	PALE	49	GB	0157.0	0158.0	1323.0	4200.0			QL=4 ST=1 TYP=6
	245	LEAR	8	S	0209.0	0209.0	U	41.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0209.0	0209.0	U	72.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0209.0	0209.0	U	37.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0209.0	0209.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0239.0	0240.0	1.0	51.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0239.0	0240.0	1.0	51.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	0239.0	0240.0	1.0	51.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0450.0	0458.0	10.0	79.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0524.0	0524.0	U	77.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0551.0	0555.0	5.0	64.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	0805.5	0807.0	2.5				
	410	SVTO	8	S	1558.0	1558.0	U	64.0			QL=4 ST=2 TYP=3
	410	SVTO	48	C	1637.0	1644.0	7.0	53.0			QL=4 ST=2 TYP=8
	410	SGMR	8	S	2219.0	2219.0	1.0	34.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2220.0	2220.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2259.0	2300.0	1.0	320.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2300.0	2300.0	U	590.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	2322.0	2322.0	1.0	99.0			QL=4 ST=2 TYP=3
19	245	SVTO	43	NS	0524.0	0534.0	36.0	160.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0524.0	0534.0	36.0	160.0			QL=4 ST=4 TYP=1
	245	SVTO	43	NS	0524.0	0534.0	1116.0	160.0			QL=2 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		10.0		
	280	CUBA	44	NS	1300.0E		300.0D		21.0		
	235	CUBA	44	NS	1300.0E		300.0D		12.0		
	245	LEAR	8	S	0045.0	0045.0	U	60.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	0135.0	0135.0	1.0	30.0			0
	200	HIRA	8	S	0241.0	0242.0	1.0	560.0			0
	245	LEAR	8	S	0241.0	0242.0	1.0	350.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0307.0	0307.0	1.0	300.0			QL=4 ST=2 TYP=3
	2950	GORK	20	GRF	0450.5	0458.7	24.1	4.0			
	600	GORK	41	F	0452.6	0458.6		30.0			
	600	GORK	41	F	0452.6	0452.8	8.0	37.0			
	200	HIRA	47	GB	0458.0	0459.0	1.0	1200.0			0
	500	HIRA	8	S	0458.0	0459.0	1.0	40.0			WL
	610	LEAR	8	S	0458.0	0458.0	1.0	33.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0458.0	0458.0	1.0	2800.0			QL=4 ST=2 TYP=6
	610	SVTO	8	S	0458.0	0458.0	1.0	30.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0458.0	0458.0	13.0	2700.0			QL=4 ST=2 TYP=6
	900	GORK	3	S	0458.2	0458.7	1.4	63.0			
	245	LEAR	20	GRF	0514.0	0526.0	20.0	340.0			QL=4 ST=2 TYP=2
	2840	PEKG	5	S	0526.0	0528.0	4.0	18.0			
	600	GORK	46	C	0527.0	0527.1	2.8	16.0			
	600	GORK	46	C	0527.0	0529.3		80.0			
	600	GORK	46	C	0527.0	0530.9		110.0			
	2950	GORK	4	S/F	0528.1	0528.3	0.5	16.0			
	2950	GORK	23	GRF	0528.1	0529.3	19.2	4.1			
	2950	GORK	23	GRF	0528.1	0530.9		3.3			
	900	GORK	42	SER	0528.3	0529.3	3.5	70.0			
	900	GORK	42	SER	0528.3	0530.7		70.0			
	610	LEAR	8	S	0529.0	0530.0	2.0	98.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0529.0	0530.0	2.0	100.0			QL=4 ST=2 TYP=3
	2950	GORK	45	C	0645.8	0648.0	8.9	3.2			
	2950	GORK	45	C	0645.8	0649.8		8.1			
	3000	IZMI	22	GRF	0646.3	0649.8	4.5	14.0			
	245	LEAR	8	S	0652.0	0652.0	2.0	61.0			QL=4 ST=2 TYP=3

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Outstanding Occurrences

JUNE 2000

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Mean	Int	Remarks
19	245	SVTO	8	S	0652.0	0652.0	U	65.0			QL=4 ST=2 TYP=3
	3000	IZMI	7	C	0702.2	0702.3	0.2	19.0			
	245	SVTO	8	S	0731.0	0731.0	U	69.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0731.3	0731.5	1.6	110.0			
	200	HIRA	47	GB	0750.0	0755.0	6.0	700.0			0
	204	IZMI	45	C	0750.3	0750.5	0.4	385.0			
	245	SVTO	4	S/F	0753.0	0754.0	4.0	420.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0753.0	0754.0	7.0	50.0			QL=4 ST=2 TYP=3
	2950	GORK	45	C	0753.8	0756.1		4.8			
	2950	GORK	45	C	0753.8	0757.7		3.2			
	2950	GORK	45	C	0753.8	0754.9	4.8	5.2			
	204	IZMI	46	C	0753.9	0754.5	4.6	3449.0			
	3000	IZMI	22	GRF	0753.9	0754.8	6.5	11.0			
	900	GORK	46	C	0754.0	0755.0	4.5	36.0			
	245	LEAR	8	S	0754.0	0754.0	1.0	490.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0754.0	0754.0	U	34.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0754.0	0754.0	1.0	86.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	0754.0	0755.0	4.0	82.0			QL=4 ST=2 TYP=3
	900	GORK	46	C	0754.0	0756.2		23.0			
	600	GORK	46	C	0754.0	0756.3		14.0			
	600	GORK	46	C	0754.0	0757.5		6.0			
	900	GORK	46	C	0754.0	0757.7		5.0			
	600	GORK	46	C	0754.0	0754.9	4.0	50.0			
	204	IZMI	46	C	0849.4	0849.7	0.6	475.0			
	245	LEAR	8	S	0914.0	0914.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0914.0	0914.0	U	170.0			QL=4 ST=2 TYP=3
	600	GORK	42	SER	0914.3	0918.4		80.0			
	600	GORK	42	SER	0914.3	0914.7	5.4	11.0			
	204	IZMI	45	C	0914.4	0914.6	0.5	146.0			
	500	HIRA	4	S/F	0917.0	0918.0	2.0	60.0			WL
	610	SVTO	4	S/F	0917.0	0919.0	3.0	180.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0917.0	0918.0	1.0	70.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0917.9	0918.3	1.1	218.0			
	200	HIRA	8	S	0918.0	0918.0	1.0	120.0			0
	410	LEAR	8	S	0918.0	0918.0	U	39.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0918.0	0918.0	1.0	110.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0918.0	0918.0	U	47.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0918.0	0918.0	U	47.0			QL=4 ST=2 TYP=3
	2950	GORK	1	S	0918.0	0918.4	2.4	3.2			
	900	GORK	4	S/F	0918.0	0918.4	1.0	110.0			
	245	SVTO	8	S	0923.0	0923.0	U	110.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0925.0	0925.0	1.0	32.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0933.0	0933.0	1.0	1000.0			QL=2 ST=2 TYP=6
	204	IZMI	7	C	1055.7	1056.0	0.9	123.0			
	245	SVTO	4	S/F	1156.0	1200.0	4.0	410.0			QL=2 ST=2 TYP=3
	245	SVTO	4	S/F	1156.0	1200.0	4.0	410.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1156.0	1200.0	4.0	410.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1200.0	1200.0	U	71.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1250.0	1250.0	1.0	220.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1250.0	1250.0	1.0	1300.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1250.0	1250.0	1.0	1300.0			QL=4 ST=4 TYP=6
	245	SVTO	49	GB	1250.0	1250.0	1.0	1300.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	1250.0	1250.0	U	230.0			QL=4 ST=4 TYP=3
	410	SVTO	8	S	1250.0	1250.0	U	230.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1306.0	1306.0	2.0	87.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1306.0	1306.0	1.0	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1318.0	1318.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1318.0	1318.0	1.0	140.0			QL=4 ST=2 TYP=3
	280	CUBA	6	S	1318.4	1319.5	1.3	99.0			
	245	SGMR	8	S	1336.0	1336.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1336.0	1336.0	U	98.0			QL=4 ST=2 TYP=3
	2800	PENT	42	SER	1423.0	1433.0	16.0	8.0			
	245	SGMR	49	GB	1429.0	1430.0	7.0	2100.0			QL=4 ST=2 TYP=6
	1415	SVTO	8	S	1429.0	1429.0	U	30.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1429.0	1430.0	5.0	1800.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1429.0	1430.0	571.0	2100.0			QL=4 ST=1 TYP=6
	245	SVTO	49	GB	1429.0	1430.0	571.0	1800.0			QL=4 ST=1 TYP=6
	235	CUBA	7	C	1429.0	1433.4	4.6	238.0			
	280	CUBA	7	C	1429.0	1433.4	4.6	336.0			

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

JUNE 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	6700	CUBA	4	S/F	1429.7	1433.8	8.7	19.0	9.0		24L
	410	SGMR	8	S	1432.0	1432.0	2.0	400.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1432.0	1432.0	U	410.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	1432.0	1432.0	568.0	410.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1433.0	1433.0	3.0	58.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1611.0	1612.0	2.0	540.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1611.0	1612.0	2.0	530.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	1649.0	1649.0	U	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1649.0	1649.0	2.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1649.0	1649.0	1.0	70.0			QL=4 ST=2 TYP=3
	2800	PENT	24	R	2044.0	2101.0	32.0	11.0			
	200	HIRA	47	GB	2050.0	2051.0	5.0	1700.0			0
	245	PALE	49	GB	2050.0	2050.0	7.0	1900.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	2050.0	2050.0	5.0	2100.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	2050.0	2050.0	190.0	1900.0			QL=4 ST=1 TYP=6
	245	SGMR	49	GB	2050.0	2050.0	190.0	2100.0			QL=4 ST=1 TYP=6
	500	HIRA	8	S	2052.0	2053.0	1.0	240.0			0
	410	PALE	8	S	2053.0	2053.0	U	150.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2053.0	2053.0	U	150.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	2053.0	2053.0	187.0	150.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	2053.0	2053.0	187.0	150.0			QL=4 ST=1 TYP=3
	200	HIRA	8	S	2235.0	2235.0	1.0	100.0			0
	200	HIRA	8	S	2249.0	2250.0	1.0	80.0			0
20	127	TORN	44	NS	1240.0E	1255.0	100.0D	50.0	3.0		V=2
	235	CUBA	44	NS	1300.0E		360.0D		7.0		
	280	CUBA	44	NS	1300.0E		360.0D		14.0		
	245	LEAR	8	S	0120.0	0120.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0120.0	0121.0	1.0	160.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0138.0	0140.0	2.0	140.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0138.0	0140.0	2.0	240.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	0138.0	0140.0	6.0	980.0			QL=4 ST=2 TYP=6
	500	HIRA	8	S	0140.0	0140.0	1.0	200.0			0
	610	LEAR	8	S	0140.0	0140.0	U	18.0			QL=4 ST=2 TYP=3
	410	LEAR	49	GB	0140.0	0140.0	U	510.0			QL=4 ST=2 TYP=6
	610	PALE	4	S/F	0140.0	0140.0	3.0	18.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0234.0	0236.0	2.0	160.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0235.0	0235.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0235.0	0236.0	1.0	43.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0237.0	0237.0	1.0	110.0			0
	2950	GORK	46	C	0308.0E	0309.2	2.8D	17.0			
	2950	GORK	46	C	0308.0E	0310.8		9.0			
	245	LEAR	4	S/F	0309.0	0311.0	4.0	380.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0310.0	0311.0	4.0	380.0			QL=4 ST=4 TYP=3
	410	LEAR	4	S/F	0310.0	0313.0	4.0	90.0			QL=4 ST=4 TYP=3
	410	LEAR	4	S/F	0310.0	0313.0	3.0	90.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0310.0	0313.0	4.0	90.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0310.0	0311.0	4.0	380.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	0311.0	0311.0	2.0	170.0			0
	200	HIRA	42	SER	0311.0	0311.0	3.0	240.0			0
	410	LEAR	8	S	0330.0	0331.0	2.0	290.0			QL=4 ST=4 TYP=3
	245	LEAR	8	S	0330.0	0331.0	2.0	320.0			QL=4 ST=4 TYP=3
	410	LEAR	8	S	0330.0	0331.0	2.0	290.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0330.0	0331.0	2.0	320.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0331.0	0332.0	1.0	260.0			0
	500	HIRA	47	GB	0331.0	0332.0	1.0	1200.0			0
	900	GORK	3	S	0331.7	0331.8	1.2	21.0			
	600	GORK	3	S	0331.7	0331.9	1.4	50.0			
	245	LEAR	8	S	0342.0	0344.0	2.0	130.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0344.0	0345.0	1.0	70.0			0
	500	HIRA	8	S	0344.0	0345.0	1.0	130.0			0
	410	LEAR	8	S	0344.0	0344.0	U	24.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0401.0	0402.0	1.0	180.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0402.0	0402.0	1.0	130.0			0
	410	LEAR	8	S	0402.0	0402.0	U	100.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0432.0	0432.0	1.0	120.0			0
	245	LEAR	8	S	0504.0	0505.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0504.0	0505.0	1.0	100.0			QL=4 ST=2 TYP=3
	500	HIRA	47	GB	0505.0	0505.0	1.0	740.0			WL

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

JUNE 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
20	410	LEAR	4	S/F	0505.0	0505.0	7.0	160.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0516.0	0517.0	1.0	40.0			0
	200	HIRA	47	GB	0516.0	0517.0	1.0	860.0			0
	410	LEAR	8	S	0516.0	0516.0	1.0	480.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0516.0	0516.0	1.0	790.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0516.0	0516.0	1.0	790.0			QL=4 ST=2 TYP=6
	410	SVTO	49	GB	0516.0	0516.0	U	580.0			QL=4 ST=2 TYP=6
	204	IZMI	42	SER	0547.8	0548.0	2.6	34.0			
	204	IZMI	42	SER	0603.9	0608.2	6.3	144.0			
	200	HIRA	4	S/F	0606.0	0608.0	4.0	60.0			0
	204	IZMI	7	C	0636.3	0636.4	0.3	60.0			
	900	GORK	46	C	0643.6	0650.2		30.0			
	900	GORK	46	C	0643.6	0643.8	13.0	95.0U			
	245	LEAR	8	S	0648.0	0650.0	2.0	16.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0648.0	0650.0	2.0	38.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0648.0	0650.0	3.0	45.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0648.0	0650.0	5.0	24.4			
	410	SVTO	8	S	0648.0	0650.0	2.0	60.0			QL=4 ST=2 TYP=3
	5730	IRKU	4	S/F	0648.0	0648.9	11.0	102.0	U		
	610	LEAR	8	S	0649.0	0650.0	2.0	90.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0649.0	0650.0	2.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0649.0	0650.0	2.0	30.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0649.0	0650.0	2.0	19.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0649.0	0650.0	2.0	71.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0649.0	0650.0	1.0	110.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0649.0	0650.0	2.0	89.0			QL=4 ST=2 TYP=3
	2950	GORK	3	S	0649.3	0650.3	2.3	34.0			
	3000	IZMI	7	C	0649.3	0650.3	14.7	48.0			
	610	SVTO	8	S	0650.0	0650.0	U	45.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0650.0	0650.0	U	28.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0650.0	0650.0	U	26.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0650.0	0650.0	U	46.0			QL=4 ST=2 TYP=3
	600	GORK	8	S	0650.1	0650.3	0.4	10.0			
	245	LEAR	8	S	0711.0	0711.0	1.0	200.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0711.0	0711.0	1.0	210.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0711.0	0711.8	14.0	85.0			
	900	GORK	46	C	0736.7	0745.3	15.0	18.0			
	900	GORK	46	C	0736.7	0746.8		20.0			
	500	HIRA	8	S	0739.0	0740.0	1.0	90.0			WR
	245	SVTO	8	S	0739.0	0739.0	1.0	190.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0739.0	0740.0	10.0	120.0			0
	600	GORK	41	F	0739.2	0745.4	10.8	8.7			
	600	GORK	41	F	0739.2	0747.6		13.0			
	204	IZMI	46	C	0739.3	0739.6	11.5	895.0			
	3000	IZMI	22	GRF	0739.4	0747.6	12.5	17.0	6.0		
	245	SVTO	8	S	0745.0	0747.0	2.0	240.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0746.0	0747.0	1.0	52.0			QL=4 ST=2 TYP=3
	2950	GORK	4	S/F	0746.4	0747.7	2.2	7.8			
	5730	IRKU	20	GRF	0746.6	0800.0	28.4	19.0	U		
	204	IZMI	41	F	0825.5	0825.8	2.0	43.0			
	204	IZMI	42	SER	0950.6	0950.9	1.2	57.0			
	204	IZMI	42	SER	1002.9	1003.5	0.9	97.0			
	410	SGMR	4	S/F	1005.0	1006.0	5.0	73.0			QL=2 ST=2 TYP=3
	245	SGMR	49	GB	1005.0	1006.0	2.0	600.0			QL=4 ST=2 TYP=6
	204	IZMI	42	SER	1005.6	1006.3	5.3	1553.0			
	410	SVTO	8	S	1006.0	1006.0	U	94.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1006.0	1006.0	1.0	530.0			QL=4 ST=2 TYP=6
	3000	IZMI	5	S	1124.7	1125.0	0.9	6.0	4.0		
	204	IZMI	7	C	1124.8	1124.9	0.3	21.0			
	204	IZMI	42	SER	1151.3	1152.0	0.8	93.0			
	245	SGMR	4	S/F	1240.0	1245.0	5.0	440.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1240.0	1245.0	8.0	370.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1350.0	1351.0	2.0	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1351.0	1351.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1400.0	1401.0	2.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1400.0	1401.0	2.0	120.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1536.0	1543.0	12.0	4.0			
	6700	CUBA	21	GRF	1905.0	2036.0	107.0D	28.0	14.0		9L
	2800	PENT	29	PBI	1915.0	1924.0	17.0U	79.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
20	1415	PALE	4	S/F	1922.0	1923.0	3.0	260.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1922.0	1923.0	6.0	1000.0			QL=4 ST=2 TYP=6
	1415	SGMR	4	S/F	1922.0	1923.0	3.0	250.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	1922.0	1923.0	278.0	260.0			QL=4 ST=1 TYP=3
	245	SGMR	49	GB	1922.0	1923.0	278.0	1000.0			QL=4 ST=1 TYP=6
	1415	SGMR	4	S/F	1922.0	1923.0	278.0	250.0			QL=4 ST=1 TYP=3
	6700	CUBA	2	S/F	1922.8	1924.4	2.2	32.0	16.0		
	200	HIRA	3	S	1923.0	1924.0	2.0	110.0			0
	4995	PALE	8	S	1923.0	1923.0	1.0	42.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1923.0	1924.0	2.0	89.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1923.0	1924.0	2.0	92.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1923.0	1923.0	5.0	1100.0			QL=4 ST=2 TYP=6
	410	PALE	4	S/F	1923.0	1925.0	5.0	230.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1923.0	1924.0	2.0	72.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1923.0	1924.0	2.0	77.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1923.0	1925.0	5.0	200.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1923.0	1924.0	1.0	45.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	1923.0	1923.0	277.0	42.0			QL=4 ST=1 TYP=3
	2695	PALE	4	S/F	1923.0	1924.0	277.0	92.0			QL=4 ST=1 TYP=3
	410	PALE	4	S/F	1923.0	1925.0	277.0	230.0			QL=4 ST=1 TYP=3
	245	PALE	49	GB	1923.0	1923.0	277.0	1100.0			QL=4 ST=1 TYP=6
	610	PALE	4	S/F	1923.0	1924.0	277.0	89.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	1923.0	1924.0	277.0	45.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1923.0	1924.0	277.0	77.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1923.0	1924.0	277.0	72.0			QL=4 ST=1 TYP=3
	2800	PENT	1	S	2031.0	2036.0	8.0	15.0			
	245	PALE	49	GB	2111.0	2112.0	3.0	1400.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	2111.0	2112.0	2.0	1100.0			QL=4 ST=2 TYP=6
	200	HIRA	47	GB	2112.0	2112.0	1.0	660.0			0
	410	PALE	8	S	2112.0	2112.0	2.0	56.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2112.0	2112.0	1.0	54.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2350.0	2351.0	1.0	60.0			0
21	245	SVTO	43	NS	1031.0	1047.0	117.0	180.0			QL=2 ST=2 TYP=1
	245	SVTO	43	NS	1031.0	1047.0	809.0	180.0			QL=4 ST=1 TYP=1
	127	TORN	44	NS	1100.0E		280.0D		10.0		V=0
	245	SGMR	43	NS	1115.0	1118.0	765.0	120.0			QL=4 ST=1 TYP=1
	410	SGMR	43	NS	1123.0	1124.0	757.0	420.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1231.0	1248.0	41.0	540.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1231.0	1232.0	689.0	150.0			QL=4 ST=1 TYP=1
	235	CUBA	44	NS	1400.0E		460.0D		7.0		
	280	CUBA	44	NS	1400.0E		470.0D		14.0		
	5730	IRKU	4	S/F	0043.1	0044.1	3.9	28.0	U		
	200	HIRA	42	SER	0123.0	0125.0	6.0	150.0			0
	200	HIRA	8	S	0202.0	0203.0	1.0	50.0			0
	200	HIRA	42	SER	0406.0	0406.0	6.0	240.0			0
	410	LEAR	49	GB	0426.0	0427.0	1.0	970.0			QL=4 ST=2 TYP=6
	410	PALE	49	GB	0426.0	0427.0	6.0	120.0			QL=4 ST=2 TYP=6
	610	PALE	8	S	0426.0	0427.0	1.0	130.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	0427.0	0432.0	9.0	780.0			0
	500	HIRA	8	S	0427.0	0428.0	1.0	500.0			0
	245	LEAR	49	GB	0427.0	0427.0	1.0	720.0			QL=4 ST=2 TYP=6
	610	LEAR	8	S	0427.0	0427.0	U	130.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0427.0	0432.0	5.0	230.0			QL=4 ST=2 TYP=6
	245	SVTO	8	S	0427.0	0427.0	U	290.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0427.0	0427.0	U	77.0			QL=2 ST=2 TYP=3
	245	LEAR	49	GB	0431.0	0432.0	1.0	2300.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0431.0	0432.0	1.0	1400.0			QL=2 ST=2 TYP=6
	2950	GORK	1	S	0431.7	0432.1	0.9	3.9			
	410	LEAR	8	S	0432.0	0432.0	U	48.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0435.0	0436.0	2.0	260.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0435.0	0436.0	2.0	280.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0435.0	0436.0	1.0	200.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0443.0	0443.0	1.0	59.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	0457.0	0502.0	5.0	1300.0			0
	245	LEAR	49	GB	0458.0	0458.0	U	570.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0458.0	0458.0	U	560.0			QL=4 ST=2 TYP=6
	245	LEAR	49	GB	0501.0	0502.0	1.0	3700.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0501.0	0502.0	1.0	3600.0			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

JUNE 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
21	245	SVTO	49	GB	0501.0	0502.0	1139.0	3600.0			QL=4 ST=1 TYP=6
	410	SVTO	8	S	0502.0	0502.0	U	96.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0502.0	0502.0	1138.0	96.0			QL=4 ST=1 TYP=3
	200	HIRA	8	S	0523.0	0524.0	1.0	160.0			0
	245	LEAR	8	S	0523.0	0523.0	1.0	430.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0523.0	0523.0	1.0	78.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0523.0	0523.0	1.0	400.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0539.0	0546.0	9.0	120.0			0
	2950	GORK	1	S	0543.1	0545.5	4.4	3.5			
	245	LEAR	49	GB	0544.0	0545.0	4.0	790.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0544.0	0545.0	1.0	160.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0544.0	0544.0	4.0	890.0			QL=4 ST=2 TYP=6
	600	GORK	40	F	0544.6	0545.5	2.0	29.0			
	410	LEAR	8	S	0545.0	0545.0	U	63.0			QL=4 ST=2 TYP=3
	900	GORK	2	S/F	0545.2	0545.5	0.9	14.0			
	204	IZMI	7	C	0605.5	0605.7	0.6	43.0			
	500	HIRA	8	S	0612.0	0613.0	1.0	30.0			0
	200	HIRA	47	GB	0612.0	0613.0	1.0	2300.0			0
	245	LEAR	49	GB	0612.0	0612.0	1.0	2200.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0612.0	0612.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0612.0	0612.0	1.0	2400.0			QL=4 ST=2 TYP=6
	410	SVTO	4	S/F	0612.0	0612.0	1068.0	64.0			QL=4 ST=1 TYP=3
	245	SVTO	49	GB	0612.0	0612.0	1068.0	2400.0			QL=4 ST=1 TYP=6
	204	IZMI	45	C	0612.7	0612.9	1.5	9854.0			
	204	IZMI	7	C	0615.1	0615.2	0.4	31.0			
	204	IZMI	42	SER	0620.1	0620.5	0.9	50.0			
	204	IZMI	7	C	0629.9	0630.0	0.2	52.0			
	245	LEAR	8	S	0632.0	0633.0	2.0	92.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0632.8	0633.2	2.1	110.0			
	245	SVTO	49	GB	0633.0	0633.0	1.0	700.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0633.0	0633.0	1.0	250.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0643.7	0643.9	0.6	52.0			
	204	IZMI	41	F	0654.3	0654.4	0.2	148.0			
	204	IZMI	42	SER	0658.9	0659.9	1.1	34.0			
	245	LEAR	8	S	0659.0	0659.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0659.0	0659.0	1.0	73.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0711.0	0712.0	1.0	70.0			0
	245	LEAR	49	GB	0711.0	0711.0	2.0	580.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0711.0	0711.0	2.0	570.0			QL=4 ST=2 TYP=6
	204	IZMI	42	SER	0711.2	0711.9	1.0	165.0			
	204	IZMI	42	SER	0713.1	0713.5	1.0	86.0			
	245	SVTO	49	GB	0734.0	0737.0	4.0	2600.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0734.0	0737.0	986.0	2600.0			QL=4 ST=1 TYP=6
	204	IZMI	46	C	0735.9	0737.4	2.4	2681.0			
	500	HIRA	42	SER	0736.0	0737.0	1.0	40.0			0
	245	LEAR	49	GB	0736.0	0737.0	2.0	2600.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	0736.0	0737.0	1.0	140.0			QL=4 ST=2 TYP=3
	600	GORK	41	F	0736.2	0737.9	2.6	73.0			
	900	GORK	41	F	0736.3	0737.5	2.7	15.0			
	200	HIRA	47	GB	0737.0	0737.0	1.0	680.0			0
	610	SVTO	8	S	0737.0	0737.0	U	50.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0737.0	0737.0	U	240.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0737.0	0737.0	983.0	240.0			QL=4 ST=1 TYP=3
	204	IZMI	42	SER	0744.8	0745.7	3.0	137.0			
	245	LEAR	8	S	0745.0	0745.0	1.0	380.0			QL=4 ST=2 TYP=3
	600	GORK	46	C	0754.0	0801.0		16.0			
	600	GORK	46	C	0754.0	0759.1	8.8	46.0			
	204	IZMI	42	SER	0754.1	0756.1	3.8	17.0			
	245	SVTO	48	C	0755.0	0757.0	2.0	420.0			QL=4 ST=2 TYP=8
	2840	PEKG	5	S	0756.0	0757.0	8.0	58.4			
	900	GORK	42	SER	0756.2	0801.2		80.0			
	900	GORK	42	SER	0756.2	0759.5	6.0	52.0			
	410	SVTO	8	S	0757.0	0757.0	1.0	88.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	0758.0	0758.0	2.0	3000.0			0
	500	HIRA	46	C	0758.0	0759.0	2.0	110.0			WL
	410	LEAR	49	GB	0758.0	0759.0	3.0	770.0			QL=4 ST=2 TYP=6
	245	LEAR	49	GB	0758.0	0759.0	3.0	7300.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0758.0	0759.0	3.0	7000.0			QL=2 ST=2 TYP=6
	410	SVTO	49	GB	0758.0	0759.0	3.0	1700.0			QL=2 ST=2 TYP=6

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

JUNE 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
21	245	SVTO	49	GB	0758.0	0759.0	962.0	7000.0			QL=4 ST=1 TYP=6
	410	SVTO	49	GB	0758.0	0759.0	962.0	1700.0			QL=4 ST=1 TYP=6
	4995	SVTO	4	S/F	0758.0	0759.0	962.0	150.0			QL=4 ST=1 TYP=3
	5730	IRKU	4	S/F	0758.3	0759.4	2.3	108.0	U		
	2950	GORK	45	C	0758.5	0801.0		6.0			
	2950	GORK	45	C	0758.5	0759.3	3.7	60.0			
	3000	IZMI	22	GRF	0758.5	0759.3	3.4	83.0	14.0		
	1415	LEAR	8	S	0759.0	0759.0	U	30.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0759.0	0759.0	U	45.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0759.0	0759.0	U	59.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0759.0	0759.0	U	100.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0759.0	0759.0	2.0	45.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0759.0	0759.0	U	72.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0759.0	0759.0	U	43.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0759.0	0759.0	6.0	45.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0759.0	0759.0	961.0	45.0			QL=4 ST=1 TYP=3
	1415	SVTO	4	S/F	0759.0	0759.0	961.0	45.0			QL=4 ST=1 TYP=3
	2695	SVTO	4	S/F	0759.0	0759.0	961.0	72.0			QL=4 ST=1 TYP=3
	204	IZMI	45	C	0759.0	0759.1	0.7	165.0U			
	2800	HIRA	8	S	0800.0	0800.0	1.0	140.0			0
	204	IZMI	42	SER	0800.8	0801.1	2.4	84.0			
	245	SVTO	8	S	0832.0	0833.0	1.0	56.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	0832.0	0843.0	11.0	620.0			0
	204	IZMI	45	C	0832.8	0833.0	0.6	326.0			
	245	LEAR	49	GB	0842.0	0843.0	1.0	950.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0842.0	0843.0	3.0	1400.0			QL=4 ST=2 TYP=6
	410	SVTO	4	S/F	0842.0	0843.0	8.0	390.0			QL=4 ST=2 TYP=3
	204	IZMI	46	C	0842.7	0843.2	1.0	1888.0			
	410	LEAR	8	S	0843.0	0843.0	U	210.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0847.7	0847.9	1.3	46.0			
	2840	PEKG	5	S	0854.0	0857.0	6.0	15.1			
	4995	LEAR	8	S	0856.0	0857.0	1.0	37.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0856.0	0856.0	1.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0856.0	0856.0	1.0	100.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0856.0	0856.0	1.0	62.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0856.0	0856.0	1.0	320.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0856.0	0857.0	1.0	61.0			QL=4 ST=2 TYP=3
	600	GORK	4	S/F	0856.2	0856.9	1.5	100.0			
	2950	GORK	4	S/F	0856.3	0856.9	1.5	21.0			
	900	GORK	3	S	0856.4	0857.0	1.0	26.0			
	2800	HIRA	4	S/F	0923.0	0925.0	3.0	70.0			WL
	2695	LEAR	4	S/F	0923.0	0925.0	3.0	69.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0923.0	0924.0	3.0	30.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0923.0	0924.0	3.0	110.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0923.0	0924.0	3.0	37.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0923.0	0924.0	3.0	130.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0923.0	0925.0	8.0	61.4			
	2950	GORK	4	S/F	0923.5	0925.0	3.5	80.0			
	3000	IZMI	45	C	0923.7	0925.0	3.7	90.0	26.0		
	5730	IRKU	4	S/F	0923.8	0925.4	23.2	84.0	U		
	15400	LEAR	8	S	0924.0	0924.0	1.0	56.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0924.0	0924.0	1.0	78.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0924.0	0924.0	2.0	150.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0924.0	0925.0	2.0	76.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0924.0	0924.0	2.0	100.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0924.0	0924.0	2.0	60.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0924.0	0924.0	1.0	96.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0924.0	0924.0	2.0	32.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0924.0	0925.0	1.0	78.0			QL=2 ST=2 TYP=3
	33	UPIC	46	C	0924.0	0926.0	6.0				
	900	GORK	4	S/F	0924.0	0924.5	1.0	80.0			
	600	GORK	4	S/F	0924.0	0924.9	3.0	50.0			
	204	IZMI	42	SER	0924.7E	0925.7	4.1D	148.0			
	500	HIRA	8	S	0925.0	0925.0	1.0	70.0			0
	245	SVTO	8	S	0925.0	0925.0	U	44.0			QL=2 ST=2 TYP=3
	610	SVTO	4	S/F	0928.0	0931.0	872.0	130.0			QL=4 ST=1 TYP=3
	200	HIRA	42	SER	0931.0	0932.0	3.0	120.0			0
	410	LEAR	8	S	0931.0	0931.0	U	36.0			QL=2 ST=2 TYP=3
	245	LEAR	49	GB	0931.0	0931.0	1.0	3200.0			QL=2 ST=2 TYP=6

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
21	245	SGMR	49	GB	0931.0	0931.0	1.0	530.0			QL=2 ST=2 TYP=6
	410	SVTO	4	S/F	0931.0	0931.0	4.0	60.0			QL=2 ST=2 TYP=3
	245	SVTO	49	GB	0931.0	0931.0	4.0	1700.0			QL=2 ST=2 TYP=6
	245	SVTO	49	GB	0931.0	0931.0	869.0	1700.0			QL=4 ST=1 TYP=6
	204	IZMI	46	C	0931.2	0931.9	1.1	1982.0			
	204	IZMI	42	SER	0933.7	0933.8	2.5	70.0			
	245	SGMR	8	S	0958.0	0958.0	2.0	68.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0958.0	0959.0	1.0	68.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0958.9	0958.9	0.3	124.0			
	204	IZMI	42	SER	1010.4	1012.6	4.8	132.0			
	245	SGMR	8	S	1012.0	1012.0	1.0	110.0			QL=4 ST=3 TYP=3
	410	SGMR	8	S	1012.0	1012.0	U	84.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1012.0	1012.0	U	84.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1012.0	1012.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1012.0	1012.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1012.0	1012.0	1.0	85.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1012.0	1012.0	1.0	120.0			QL=4 ST=3 TYP=3
	2950	GORK	20	GRF	1012.5	1046.7	34.5	5.1			
	3000	IZMI	20	GRF	1012.7	1013.9	2.5	10.0	5.4		
	245	SGMR	8	S	1015.0	1015.0	1.0	120.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1015.0	1015.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1015.0	1015.0	1.0	120.0			QL=4 ST=3 TYP=3
	204	IZMI	42	SER	1015.6	1015.9	1.5	200.0			
	245	SGMR	8	S	1041.0	1041.0	1.0	440.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1041.0	1041.0	1.0	420.0			QL=2 ST=3 TYP=3
	245	SVTO	49	GB	1041.0	1041.0	1.0	420.0			QL=2 ST=2 TYP=6
	410	SVTO	8	S	1041.0	1042.0	1.0	180.0			QL=4 ST=2 TYP=3
	204	IZMI	46	C	1041.0	1041.6	2.7	556.0			
	33	UPIC	46	C	1042.0	1046.0	4.5				
	410	SGMR	49	GB	1044.0	1045.0	4.0	770.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1044.0	1045.0	2.0	2500.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1044.0	1045.0	796.0	2400.0			QL=4 ST=1 TYP=6
	204	IZMI	42	SER	1044.8	1045.5	1.8	4263.0			
	410	SVTO	49	GB	1045.0	1045.0	1.0	950.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1045.0	1045.0	1.0	2400.0			QL=2 ST=2 TYP=6
	410	SGMR	49	GB	1045.0	1045.0	795.0	770.0			QL=4 ST=1 TYP=6
	245	SVTO	49	GB	1045.0	1045.0	795.0	2400.0			QL=2 ST=1 TYP=6
	410	SVTO	49	GB	1045.0	1045.0	795.0	950.0			QL=4 ST=1 TYP=6
	245	SGMR	48	C	1059.0	1059.0	3.0	83.0			QL=4 ST=2 TYP=8
	204	IZMI	42	SER	1059.9	1101.8	9.3	71.0			
	204	IZMI	42	SER	1111.9	1124.4	13.8	1371.0			
	245	SGMR	4	S/F	1117.0	1124.0	8.0	400.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1122.0	1124.0	3.0	420.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	1126.0		34.0D	10.0			
	245	SGMR	8	S	1159.0	1159.0	1.0	82.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	1159.8	1159.9	1.0U	128.0			
	245	SGMR	49	GB	1206.0	1206.0	1.0	990.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1206.0	1206.0	U	930.0			QL=2 ST=2 TYP=6
	245	SGMR	49	GB	1225.0	1225.0	1.0	570.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1225.0	1226.0	1.0	520.0			QL=2 ST=2 TYP=6
	245	SVTO	8	S	1232.0	1232.0	U	150.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1235.0	1235.0	U	130.0			QL=2 ST=2 TYP=3
	245	SVTO	49	GB	1246.0	1248.0	3.0	500.0			QL=2 ST=2 TYP=6
	410	SGMR	8	S	1309.0	1309.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1309.0	1309.0	3.0	300.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1309.0	1309.0	1.0	98.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1332.0	1332.5	1.0	12.0	6.0		37L
	245	SGMR	4	S/F	1356.0	1359.0	3.0	240.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1356.0	1421.0	156.0U	41.0			
	245	SVTO	8	S	1358.0	1359.0	1.0	190.0			QL=4 ST=2 TYP=3
	410	SGMR	49	GB	1404.0	1404.0	U	1100.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1404.0	1404.0	U	3300.0			QL=4 ST=2 TYP=6
	410	SVTO	49	GB	1404.0	1404.0	U	1400.0			QL=4 ST=2 TYP=6
	410	SVTO	49	GB	1404.0	1404.0	U	1400.0			QL=4 ST=1 TYP=6
	245	SVTO	49	GB	1404.0	1404.0	U	3100.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1404.0	1404.0	U	3100.0			QL=4 ST=1 TYP=6
	9500	CUBA	21	GRF	1407.0	1409.0	72.0	16.0	8.0		
	6700	CUBA	3	S	1407.2	1411.0	5.8	119.0	59.0		21L
	9500	CUBA	3	S	1407.3	1411.1	5.5	66.0	33.0		

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
21	6700	CUBA	1	S	1408.6	1409.3	1.8	7.0	3.0		42L
	6700	CUBA	29	PBI	1413.0		79.0	25.0	12.0		12L
	4995	SGMR	4	S/F	1418.0	1421.0	582.0	99.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1420.0	1421.0	5.0	55.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1420.0	1420.0	3.0	36.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1420.0	1420.0	1.0	51.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1420.0	1420.0	2.0	88.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1420.0	1420.0	1.0	37.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1420.0	1421.0	2.0	48.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1420.0	1421.0	580.0	55.0			QL=4 ST=1 TYP=3
	245	SGMR	8	S	1520.0	1521.0	2.0	88.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1521.0	1522.0	1.0	99.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1553.0	1554.0	2.0	310.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1554.0	1554.0	1.0	350.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1554.0	1554.0	U	140.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1554.0	1554.0	U	140.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1625.0	1630.0	6.0	83.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1816.0	1817.0	2.0	85.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1817.0	1817.0	U	100.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1817.0	1817.0	U	53.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1846.0	1849.0	3.0	670.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1846.0	1847.0	1.0	120.0			QL=4 ST=2 TYP=3
	2800	PENT	42	SER	1850.0	1909.0	42.0	20.0			
	6700	CUBA	1	S	1937.4	1937.8	1.6	31.0	15.0		6L
	410	SGMR	8	S	2303.0	2304.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2303.0	2304.0	1.0	220.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2304.0	2304.0	1.0	90.0			0
	200	HIRA	8	S	2327.0	2327.0	1.0	80.0			0
	245	LEAR	8	S	2327.0	2327.0	2.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	2338.0	2338.0	U	750.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	2338.0	2338.0	U	78.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	2338.0	2348.0	10.0	680.0			WR
	245	LEAR	8	S	2342.0	2342.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	2347.0	2347.0	2.0	1300.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	2347.0	2347.0	2.0	190.0			QL=4 ST=2 TYP=3
22	204	IZMI	43	NS	0642.0		62.0		5.0		
	127	TORN	43	NS	0733.0		357.0		4.0		V=1
	280	CUBA	44	NS	1300.0E		480.0D		15.0		
	235	CUBA	44	NS	1300.0E		480.0D		6.0		
	245	LEAR	8	S	0018.0	0018.0	2.0	69.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0101.0	0101.0	1.0	80.0			WR
	200	HIRA	8	S	0155.0	0156.0	1.0	80.0			0
	245	LEAR	8	S	0155.0	0155.0	1.0	310.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0709.8	0710.1	1.3	87.0			
	204	IZMI	7	C	0728.3	0728.4	1.4	20.0			
	204	IZMI	7	C	0735.3	0735.4	0.2	44.0			
	204	IZMI	42	SER	0752.4	0754.1	3.9	55.0			
	204	IZMI	7	C	0822.4	0822.6	5.3	97.0			
	245	LEAR	8	S	0828.0	0829.0	1.0	190.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0828.9	0829.1	0.3	581.0			
	200	HIRA	8	S	0829.0	0829.0	1.0	70.0			0
	245	SVTO	8	S	0829.0	0829.0	U	180.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	0834.1	0834.2	0.2	29.0			
	204	IZMI	42	SER	0902.7	0904.8	2.2	697.0			
	200	HIRA	8	S	0905.0	0905.0	1.0	220.0			0
	245	LEAR	8	S	0919.0	0919.0	U	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0919.0	0919.0	1.0	490.0			QL=2 ST=4 TYP=3
	245	SVTO	8	S	0919.0	0919.0	1.0	490.0			QL=2 ST=2 TYP=3
	245	LEAR	4	S/F	0919.0	0919.0	881.0	160.0			QL=4 ST=1 TYP=3
	204	IZMI	41	F	0919.3	0919.5	0.6	119.0			
	204	IZMI	7	C	0923.8	0924.3	0.9	69.0			
	204	IZMI	42	SER	0949.5	0950.2	0.9	22.0			
	204	IZMI	42	SER	0953.4	0954.0	0.8	18.0			
	2950	GORK	22	GRF	1010.6	1011.3	21.4	12.0			
	3000	IZMI	5	S	1011.6	1011.8	0.4	20.0	8.0		
	204	IZMI	42	SER	1016.3	1018.4	3.6	26.0			
	245	SGMR	8	S	1017.0	1018.0	2.0	73.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1018.0	1018.0	U	75.0			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

JUNE 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
22	204	IZMI	41	F	1153.8	1153.9	0.7	37.0			
	245	SGMR	8	S	1210.0	1211.0	1.0	430.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1210.0	1211.0	1.0	440.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1210.0	1211.0	1.0	440.0			QL=4 ST=4 TYP=3
	245	SGMR	8	S	1333.0	1334.0	2.0	470.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1333.0	1334.0	1.0	510.0			QL=4 ST=2 TYP=6
	245	SVTO	8	S	1341.0	1342.0	1.0	77.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1342.0	1342.0	U	84.0			QL=4 ST=2 TYP=3
	235	CUBA	7	C	1348.8	1352.8	4.2	232.0			
	280	CUBA	7	C	1348.8	1352.8	4.2	568.0			
	245	SGMR	8	S	1352.0	1352.0	1.0	490.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1352.0	1352.0	1.0	220.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1352.0	1352.0	2.0	530.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	1353.0	1353.0	1.0	110.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	1417.0	1501.0	97.0	15.0			
	245	SGMR	8	S	1727.0	1727.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1802.0	1802.0	5.0	3600.0			QL=4 ST=2 TYP=6
	410	SGMR	4	S/F	1802.0	1805.0	4.0	150.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1802.0	1802.0	4.0	3300.0			QL=4 ST=2 TYP=6
	410	PALE	8	S	1803.0	1805.0	2.0	150.0			QL=4 ST=2 TYP=3
	2800	PENT	20	GRF	1824.0	1835.0	33.0	4.0			
	200	HIRA	8	S	1954.0	1955.0	1.0	340.0			0
	245	PALE	49	GB	1955.0	1955.0	U	610.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	1955.0	1955.0	U	470.0			QL=4 ST=2 TYP=3
	200	HIRA	47	GB	2017.0	2018.0	1.0	1800.0			0
	245	SGMR	49	GB	2017.0	2018.0	2.0	800.0			QL=4 ST=3 TYP=6
	245	SGMR	49	GB	2017.0	2018.0	2.0	800.0			QL=4 ST=2 TYP=6
	200	HIRA	47	GB	2043.0	2044.0	3.0	880.0			0
	245	SGMR	49	GB	2043.0	2045.0	3.0	1200.0			QL=4 ST=2 TYP=6
	200	HIRA	42	SER	2140.0	2140.0	2.0	140.0			WL
	245	SGMR	8	S	2140.0	2140.0	U	380.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2140.0	2140.0	U	83.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	2204.0	2205.0	4.0	160.0			WL
	245	SGMR	8	S	2205.0	2205.0	U	120.0			QL=4 ST=2 TYP=3
23	235	CUBA	44	NS	1300.0E		530.0D		7.0		
	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	200	HIRA	42	SER	0129.0	0130.0	4.0	200.0			WR
	2840	PEKG	3	S	0400.0	0404.5	19.0	331.0			
	2950	GORK	4	S/F	0401.9	0404.1	19.5	330.0			
	2800	HIRA	46	C	0402.0	0404.0	6.0	280.0			WL
	4995	LEAR	4	S/F	0402.0	0403.0	6.0	420.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0402.0	0403.0	4.0	130.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0402.0	0404.0	5.0	200.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0402.0	0404.0	5.0	330.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0402.0	0403.0	5.0	370.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0402.0	0404.0	5.0	440.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0402.0	0404.0	5.0	340.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	0402.0	0404.0	10.0	500.0			QL=4 ST=2 TYP=6
	15400	LEAR	4	S/F	0402.0	0404.0	11.0	380.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0402.0	0404.0	15.0	460.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0402.0	0404.0	15.0	480.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	0402.0	0404.0	11.0	350.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0402.0	0404.0	1198.0	460.0			QL=4 ST=1 TYP=3
	8800	PALE	4	S/F	0402.0	0404.0	1198.0	480.0			QL=4 ST=1 TYP=3
	15400	PALE	4	S/F	0402.0	0404.0	1198.0	350.0			QL=4 ST=1 TYP=3
	900	GORK	4	S/F	0402.0	0404.3	10.2	125.0			
	600	GORK	4	S/F	0402.0	0403.9	7.0	100.0			
	5730	IRKU	48	C	0402.3	0403.9	8.1	1092.0	U		
	500	HIRA	46	C	0403.0	0404.0	5.0	150.0			0
	1415	PALE	4	S/F	0403.0	0404.0	4.0	190.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	0403.0	0404.0	3.0	110.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0403.0	0404.0	1.0	41.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	0403.0	0404.0	3.0	170.0			QL=2 ST=2 TYP=3
	1415	SVTO	4	S/F	0403.0	0404.0	4.0	190.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	0403.0	0404.0	1197.0	190.0			QL=4 ST=1 TYP=3
	2695	PALE	4	S/F	0403.0	0404.0	1197.0	41.0			QL=4 ST=1 TYP=3
	610	PALE	4	S/F	0403.0	0404.0	1197.0	110.0			QL=4 ST=1 TYP=3
	410	LEAR	8	S	0405.0	0405.0	1.0	270.0			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

JUNE 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
23	410	PALE	49	GB	0405.0	0405.0	1.0	510.0			QL=4 ST=2 TYP=6
	200	HIRA	42	SER	0406.0	0407.0	2.0	70.0			0
	600	GORK	41	F	0527.0	0530.3		50.0			
	410	LEAR	8	S	0527.0	0527.0	1.0	140.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0527.0	0527.0	U	54.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0527.0	0527.0	1.0	350.0			QL=2 ST=2 TYP=3
	2950	GORK	45	C	0527.7	0528.3	3.4	7.9			
	2950	GORK	45	C	0527.7	0529.5		6.2			
	600	GORK	41	F	0527.8	0528.4	3.8	60.0			
	900	GORK	45	C	0527.8	0528.4	2.8	4.2			
	900	GORK	45	C	0527.8	0529.6		3.4			
	245	LEAR	8	S	0528.0	0528.0	U	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0528.0	0528.0	U	150.0			QL=4 ST=2 TYP=3
	2950	GORK	1	S	0532.1	0534.8	3.9	2.6			
	900	GORK	8	S	0534.7	0534.9	0.5	50.0			
	204	IZMI	41	F	0558.9	0559.1	0.7	39.0			
	204	IZMI	42	SER	0602.5	0604.7	2.8	77.0			
	204	IZMI	7	C	0611.5	0611.6	0.3	25.0			
	204	IZMI	7	C	0737.1	0737.2	0.3	23.0			
	204	IZMI	42	SER	0742.8	0745.5	4.3	58.0			
	245	LEAR	8	S	0745.0	0745.0	U	85.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0745.0	0745.0	U	89.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0748.0	0748.0	1.0	100.0			0
	204	IZMI	45	C	0748.0	0748.1	0.2	259.0			
	204	IZMI	45	C	0818.2	0818.3	0.3	147.0			
	2950	GORK	45	C	1009.4	1009.8	5.0	6.2			
	2800	PENT	29	PBI	1415.0	1425.0	84.0	260.0			
	33	UPIC	47	GB	1420.0	1425.0	30.5				
	127	TORN	45	C	1420.0	1426.1	8.5	380.0	40.0		
	6700	CUBA	20	GRF	1420.0	1425.2	7.0	1686.0			3L
	9500	CUBA	47	GB	1420.0	1425.3	7.8	1334.0			
	4995	SVTO	49	GB	1421.0	1425.0	9.0	680.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1421.0	1425.0	14.0	1500.0			QL=4 ST=2 TYP=6
	15400	SGMR	49	GB	1421.0	1425.0	14.0	1300.0			QL=4 ST=2 TYP=6
	4995	SGMR	49	GB	1421.0	1425.0	14.0	800.0			QL=4 ST=2 TYP=6
	4995	SVTO	49	GB	1421.0	1425.0	579.0	680.0			QL=4 ST=4 TYP=6
	8800	SVTO	49	GB	1422.0	1425.0	8.0	1100.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1422.0	1425.0	6.0	220.0			QL=4 ST=2 TYP=3
	15400	SVTO	49	GB	1422.0	1425.0	9.0	960.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1422.0	1425.0	10.0	250.0			QL=4 ST=2 TYP=3
	15400	SVTO	49	GB	1422.0	1425.0	578.0	960.0			QL=4 ST=4 TYP=6
	2695	SVTO	4	S/F	1422.0	1425.0	578.0	220.0			QL=4 ST=4 TYP=3
	8800	SVTO	49	GB	1422.0	1425.0	578.0	1100.0			QL=4 ST=4 TYP=6
	280	CUBA	48	C	1422.8	1428.0	8.7	29.0			
	235	CUBA	48	C	1422.8	1428.0	8.7	22.0			
	1415	SVTO	8	S	1425.0	1425.0	1.0	33.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1425.0	1425.0	10.0	35.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	1425.0	1425.0	575.0	33.0			QL=4 ST=4 TYP=3
	6700	CUBA	29	PBI	1427.0		73.0	328.0	164.0		1L
	9500	CUBA	29	PBI	1427.8		49.2	47.0	23.0		
	6700	CUBA	20	GRF	1945.0	1956.0	72.0	9.0	4.0		00L
	2800	PENT	45	C	2205.0	2216.0	27.0U	90.0			
	2840	PEKG	3	S	2212.0	2217.0	13.0	91.8			
	9500	CUBA	2	S/F	2212.2	2217.0	7.0	29.0	14.0		
	2800	HIRA	46	C	2214.0	2217.0	9.0	70.0			0
	200	HIRA	4	S/F	2214.0	2215.0	5.0	70.0			0
	2695	PALE	4	S/F	2214.0	2217.0	4.0	71.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	2214.0	2217.0	5.0	95.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2214.0	2216.0	5.0	72.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2215.0	2216.0	2.0	56.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2215.0	2216.0	2.0	36.0			QL=4 ST=2 TYP=3
24	235	CUBA	44	NS	1300.0E		530.0D		6.0		
	280	CUBA	44	NS	1300.0E		530.0D		16.0		
	200	HIRA	8	S	0001.0	0002.0	1.0	60.0			WR
	245	LEAR	8	S	0001.0	0001.0	1.0	180.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0040.0	0040.0	U	84.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0040.0	0040.0	U	66.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0758.0	0801.0	8.0	8.5			

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Outstanding Occurrences

JUNE 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
24	3000	IZMI	22	GRF	0802.6	0803.9	3.2	27.0			
	2950	GORK	4	S/F	0802.7	0804.4		19.0			
	2950	GORK	4	S/F	0802.7	0803.9	4.0	19.0			
	204	IZMI	7	C	0925.5	0925.6	0.2	15.0			
	200	HIRA	8	S	0927.0	0928.0	1.0	160.0			0
	245	LEAR	49	GB	0927.0	0927.0	U	550.0			QL=4 ST=2 TYP=6
	245	SVTO	8	S	0927.0	0927.0	U	450.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0927.2	0927.5	1.4	274.0			
	410	SVTO	8	S	1013.0	1013.0	U	70.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	1036.0	1038.0	5.0	4.7			
	610	SGMR	8	S	1037.0	1038.0	2.0	160.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1037.0	1037.0	1.0	260.0			QL=2 ST=2 TYP=3
	600	GORK	8	S	1037.8	1038.0	0.5	230.0			
	900	GORK	4	S/F	1037.8	1038.1	0.8	18.0			
	2950	GORK	2	S/F	1037.9	1038.1	0.8	5.0			
25	127	TORN	43	NS	0736.0		240.0		6.0		V=0
	280	CUBA	44	NS	1300.0E		360.0D		20.0		
	235	CUBA	44	NS	1300.0E		530.0D		8.0		
	200	HIRA	42	SER	0533.0	0534.0	1.0	50.0			0
	245	LEAR	8	S	0533.0	0534.0	1.0	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0533.0	0534.0	1.0	51.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0534.0	0534.0	1.0	60.0			0
	2840	PEKG	5	S	0608.0	0610.0	6.0	13.6			
	3000	IZMI	22	GRF	0608.9	0609.8	2.2	25.0	11.0		
	2950	GORK	46	C	0609.0	0610.2		22.0			
	2950	GORK	46	C	0609.0	0609.8	4.2	26.0			
	5730	IRKU	1	S	0609.1	0609.9	3.9	12.0	U		
	600	GORK	40	F	0609.3	0610.1	1.6	8.0			
	900	GORK	45	C	0609.5	0609.7	0.5	19.0			
	900	GORK	45	C	0609.5	0609.9		15.0			
	2950	GORK	42	SER	0714.7	0741.6		35.0			
	2950	GORK	42	SER	0714.7	0719.6	32.1	22.0			
	900	GORK	46	C	0715.0	0735.6		115.0			
	900	GORK	46	C	0715.0	0732.9	42.0	65.0			
	3000	IZMI	7	C	0716.2	0720.8	10.6	31.0	12.5		
	2840	PEKG	5	S	0718.0	0721.0	7.0	27.2			
	245	LEAR	8	S	0719.0	0720.0	2.0	66.0			QL=4 ST=2 TYP=3
	600	GORK	46	C	0719.5	0732.2	29.5	46.0			
	600	GORK	46	C	0719.5	0738.6		140.0			
	600	GORK	46	C	0719.5	0740.7		46.0			
	245	SVTO	8	S	0720.0	0720.0	U	49.0			QL=4 ST=2 TYP=3
	5730	IRKU	20	GRF	0720.0	0741.5	160.0D	32.0	U		
	204	IZMI	41	F	0720.2	0720.6	1.3	143.0			
	3000	IZMI	45	C	0733.9	0741.6	27.5	40.0	11.0		
	610	LEAR	4	S/F	0734.0	0735.0	7.0	130.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	0734.0	0735.0	6.0	130.0			QL=4 ST=3 TYP=3
	2840	PEKG	20	GRF	0734.0	0742.0	17.0	29.1			
	610	LEAR	4	S/F	0734.0	0735.0	986.0	130.0			QL=4 ST=1 TYP=3
	204	IZMI	7	C	0736.8	0745.8	15.2	75.0			
	410	LEAR	8	S	0740.0	0741.0	2.0	57.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0740.0	0741.0	4.0	33.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0740.0	0742.0	3.0	33.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0740.0	0741.0	2.0	81.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0740.0	0741.0	2.0	81.0			QL=4 ST=3 TYP=3
	410	SVTO	8	S	0740.0	0741.0	2.0	81.0			QL=4 ST=4 TYP=3
	4995	LEAR	4	S/F	0740.0	0741.0	980.0	33.0			QL=4 ST=1 TYP=3
	2695	LEAR	4	S/F	0740.0	0742.0	980.0	33.0			QL=4 ST=1 TYP=3
	410	LEAR	4	S/F	0740.0	0741.0	980.0	57.0			QL=4 ST=1 TYP=3
	245	LEAR	4	S/F	0741.0	0743.0	3.0	47.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0741.0	0741.0	1.0	31.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0741.0	0741.0	U	30.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0741.0	0741.0	979.0	30.0			QL=4 ST=1 TYP=3
	1415	LEAR	4	S/F	0741.0	0741.0	979.0	31.0			QL=4 ST=1 TYP=3
	245	LEAR	4	S/F	0741.0	0743.0	979.0	47.0			QL=4 ST=1 TYP=3
	2950	GORK	29	PBI	0746.8	0746.8	49.2	10.0			
	204	IZMI	41	F	0857.5	0857.9	0.8	74.0			
	2950	GORK	1	S	1046.0	1046.9	2.0	3.6			
	204	IZMI	7	C	1107.4	1107.6	0.9	61.0			

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

JUNE 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
25	2800	PENT	29	PBI	1351.0	1355.0	101.0	49.0			
	2695	SGMR	4	S/F	1355.0	1355.0	3.0	56.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1355.0	1357.0	3.0	39.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1355.0	1355.0	3.0	41.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1355.0	1355.0	2.0	30.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1355.0	1355.0	2.0	42.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1355.0	1356.0	2.0	40.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1355.0	1355.0	2.0	45.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1355.0	1355.0	2.0	50.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1355.0	1356.0	2.0	30.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1355.0	1355.0	2.0	48.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1355.0	1355.0	605.0	56.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	1355.0	1355.0	605.0	30.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	1355.0	1355.0	605.0	42.0			QL=4 ST=1 TYP=3
	9500	CUBA	2	S/F	1355.0	1355.6	3.0	39.0	19.0		
	6700	CUBA	4	S/F	1355.0	1356.7	6.5	49.0	24.0		6L
	200	HIRA	42	SER	2331.0	2331.0	1.0	120.0			0
	245	LEAR	8	S	2331.0	2332.0	1.0	330.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2331.0	2332.0	1.0	250.0			QL=2 ST=2 TYP=3
26	204	IZMI	44	NS	0600.0E		360.0D		10.0		
	245	LEAR	43	NS	0842.0	0844.0	11.0	65.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0842.0	0842.0	918.0	54.0			QL=4 ST=1 TYP=1
	127	TORN	44	NS	1250.0E	1304.0	90.0D	20.0	2.0		V=1
	235	CUBA	44	NS	1500.0E		240.0D		11.0		
	280	CUBA	44	NS	1500.0E		240.0D		20.0		
	245	LEAR	8	S	0131.0	0131.0	U	62.0			QL=4 ST=2 TYP=3
	5730	IRKU	1	S	0153.4	0154.5	4.6	19.0	U		
	2950	GORK	20	GRF	0425.6	0429.5	9.2	16.0			
	2950	GORK	22	GRF	0512.8	0516.0	7.7	4.4			
	2950	GORK	22	GRF	0624.5	0635.8	18.5	7.0			
	3000	IZMI	20	GRF	0634.5	0635.8	3.4	12.0	6.0		
	204	IZMI	25	R	0647.0U		193.0D	70.0			
	2800	PENT	1	S	1436.0	1444.0	15.0				
	2800	PENT	42	SER	1750.0	1835.0	64.0				
	610	PALE	8	S	1841.0	1841.0	1.0	270.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1841.0	1841.0	1.0	240.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2121.0	2122.0	1.0	77.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2122.0	2122.0	U	79.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2127.0	2127.0	1.0	29.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2127.0	2127.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	2137.0	2139.0	3.0	75.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	2137.0	2139.0	3.0	20.0			QL=4 ST=2 TYP=3
27	245	LEAR	43	NS	0045.0	0045.0	U	63.0			QL=4 ST=4 TYP=1
	245	LEAR	43	NS	0045.0	0045.0	U	63.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0045.0	0147.0	117.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0045.0	0110.0	1395.0	100.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0045.0	0147.0	1395.0	110.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0045.0	0056.0	1395.0	90.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		15.0		
	127	TORN	44	NS	1240.0E		160.0D		35.0		V=1
	280	CUBA	44	NS	1300.0E		530.0D		23.0		
	235	CUBA	44	NS	1300.0E		530.0D		11.0		
	610	SGMR	43	NS	1432.0	1534.0	148.0	96.0			QL=4 ST=2 TYP=1
	610	SGMR	43	NS	1432.0	1459.0	568.0	52.0			QL=4 ST=1 TYP=1
	610	SGMR	43	NS	1432.0	1534.0	568.0	96.0			QL=4 ST=1 TYP=1
	610	SGMR	43	NS	1432.0	1524.0	568.0	91.0			QL=4 ST=1 TYP=1
	245	PALE	8	S	0110.0	0110.0	2.0	140.0			QL=4 ST=2 TYP=3
	33	UPIC	42	SER	0608.5	0609.5	17.5				
	610	SVTO	20	GRF	0731.0	1020.0	598.0	190.0			QL=2 ST=2 TYP=2
	610	SVTO	20	GRF	0731.0	1020.0	989.0	190.0			QL=2 ST=1 TYP=2
	245	LEAR	8	S	0848.0	0848.0	U	64.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0848.0	0852.0	4.0	59.0			QL=4 ST=3 TYP=3
	245	SVTO	8	S	0850.0	0852.0	2.0	59.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1046.0	1047.0	3.0				
	245	SVTO	8	S	1051.0	1052.0	1.0	61.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1052.0	1052.0	U	64.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1132.0	1132.0	1.0	140.0			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

JUNE 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
27	245	SVTO	8	S	1132.0	1132.0	U	140.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	1242.0	1244.0	10.0	140.0			QL=2 ST=2 TYP=3
	1415	SVTO	4	S/F	1243.0	1246.0	6.0	110.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1243.0	1246.0	10.0	97.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1243.0	1245.0	11.0	75.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1243.0	1243.0	11.0	97.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1243.0	1245.0	11.0	99.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1243.0	1246.0	677.0	97.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	1243.0	1245.0	677.0	75.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1243.0	1243.0	677.0	97.0			QL=4 ST=1 TYP=3
	2695	SGMR	4	S/F	1243.0	1245.0	677.0	99.0			QL=4 ST=1 TYP=3
	245	SGMR	4	S/F	1244.0	1244.0	9.0	74.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1244.0	1245.0	4.0	35.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	1244.0	1244.0	6.0	70.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1244.0	1245.0	7.0	94.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1244.0	1245.0	10.0	46.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1244.0	1245.0	676.0	46.0			QL=4 ST=1 TYP=3
	245	SGMR	4	S/F	1244.0	1244.0	676.0	74.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	1245.0	1246.0	9.0	22.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1245.0	1250.0	9.0	20.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	1245.0	1245.0	6.0	77.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1245.0	1246.0	675.0	22.0			QL=4 ST=1 TYP=3
	15400	SGMR	4	S/F	1245.0	1250.0	675.0	20.0			QL=4 ST=1 TYP=3
	8800	SVTO	8	S	1246.0	1247.0	1.0	24.0			QL=4 ST=2 TYP=3
	6700	CUBA	20	GRF	1300.0	1319.0	58.0	14.0	7.0		13L
	610	SGMR	20	GRF	1305.0	1311.0	16.0	35.0			QL=4 ST=2 TYP=2
	610	SGMR	4	S/F	1305.0	1311.0	16.0	35.0			QL=4 ST=3 TYP=3
	610	SGMR	20	GRF	1305.0	1311.0	655.0	35.0			QL=4 ST=1 TYP=2
	610	SGMR	4	S/F	1432.0	1434.0	568.0	48.0			QL=4 ST=1 TYP=3
	2800	PENT	1	S	2059.0	2103.0	9.0				
	200	HIRA	8	S	2317.0	2317.0	1.0	140.0			0
28	204	IZMI	44	NS	0600.0E		360.0D		5.0		
	235	CUBA	44	NS	1400.0E		470.0D		8.0		
	280	CUBA	44	NS	1400.0E		470.0D		17.0		
	245	LEAR	8	S	0006.0	0006.0	U	74.0			QL=4 ST=2 TYP=3
	2950	GORK	1	S	0503.9	0504.6	1.5	3.6			
	610	SGMR	8	S	1217.0	1217.0	1.0	240.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1217.0	1217.0	1.0	120.0			QL=4 ST=3 TYP=3
	1415	SGMR	8	S	1217.0	1217.0	1.0	120.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1217.0	1217.0	1.0	240.0			QL=4 ST=3 TYP=3
	610	SVTO	8	S	1217.0	1217.0	1.0	200.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	1217.0	1218.0	1.0	25.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1217.0	1217.0	1.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1217.0	1217.0	1.0	27.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1217.0	1217.0	703.0	120.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1217.0	1217.0	703.0	240.0			QL=4 ST=1 TYP=3
	6700	CUBA	1	S	1649.0	1651.3	4.0	9.0	4.0		11L
	9500	CUBA	20	GRF	1848.0	1921.0	181.0	9.0	4.0		
	6700	CUBA	20	GRF	1851.0	1926.0	176.0	18.0	9.0		00L
	245	SGMR	8	S	2339.0	2340.0	1.0	75.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	2339.0	2340.0	1.0	75.0			QL=2 ST=3 TYP=3
29	127	TORN	44	NS	1240.0E		110.0D		7.0		V=0
	235	CUBA	44	NS	1500.0E		410.0D		7.0		
	280	CUBA	44	NS	1500.0E		410.0D		18.0		
	245	SVTO	8	S	0559.0	0559.0	U	55.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0638.4	0638.6	0.8	24.0			
	204	IZMI	42	SER	0730.2	0732.7	5.7	23.0			
	3000	IZMI	7	C	0748.2	0749.6	3.8	8.0	3.7		
	204	IZMI	42	SER	0912.6	0913.1	1.2	52.0			
	204	IZMI	45	C	0952.9	0953.4	1.2	1031.0			
	410	SVTO	8	S	0954.0	0956.0	2.0	100.0			QL=4 ST=2 TYP=3
	204	IZMI	46	C	0954.3	0955.8	5.6	329.0			
	245	SGMR	8	S	0955.0	0956.0	1.0	77.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	0955.0	0956.0	1.0	77.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0955.0	0956.0	1.0	90.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0958.0	0958.0	U	80.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0958.0	0959.0	1.0	160.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

JUNE 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
29	204	IZMI	42	SER	1040.2	1041.4	9.9	212.0			
	245	SVTO	8	S	1041.0	1041.0	U	83.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1045.0	1045.0	U	60.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1045.0	1045.0	U	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1045.0	1045.0	U	64.0			QL=4 ST=2 TYP=3
	33	UPIC	4	S/F	1049.0	1050.0	1.5				
	204	IZMI	7	C	1145.5	1145.6	0.2	16.0			
	204	IZMI	42	SER	1148.5	1148.6	2.5	52.0			
	410	SGMR	8	S	1212.0	1212.0	1.0	90.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1212.0	1214.0	2.0	59.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1212.0	1212.0	1.0	170.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1212.0	1212.0	1.0	150.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1212.0	1213.0	1.0	130.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1212.0	1213.0	1.0	55.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1212.0	1212.0	708.0	170.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	1212.0	1212.0	708.0	90.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	1248.0	1248.0	4.0	95.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	1248.0	1248.0	4.0	98.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1248.0	1248.0	672.0	95.0			QL=4 ST=1 TYP=3
	610	SGMR	4	S/F	1249.0	1250.0	3.0	110.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1249.0	1250.0	1.0	86.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1249.0	1250.0	671.0	110.0			QL=4 ST=1 TYP=3
	33	UPIC	45	C	1249.5	1250.0	2.5				
	245	SGMR	8	S	1337.0	1337.0	U	50.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1337.0	1337.0	U	50.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1454.0	1454.0	1.0	68.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1522.0	1523.0	2.0	22.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1523.0	1523.0	1.0	69.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1624.0	1624.0	U	150.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2254.0	2255.0	1.0	210.0			QL=4 ST=2 TYP=3
30	235	CUBA	44	NS	1300.0E		530.0D		6.0		
	280	CUBA	44	NS	1300.0E		530.0D		16.0		
	204	IZMI	7	C	0605.9	0606.1	0.4	26.0			
	204	IZMI	42	SER	0617.1	0617.3	0.8	30.0			
	204	IZMI	42	SER	0718.8	0721.5	3.0	32.0			
	204	IZMI	41	F	0748.8	0749.0	0.7	41.0			
	204	IZMI	42	SER	0812.4	0816.6	5.8	63.0			
	410	SVTO	4	S/F	0813.0	0817.0	8.0	66.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0816.0	0817.0	1.0	240.0			ML
	410	LEAR	8	S	0816.0	0817.0	1.0	130.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0817.0	0817.0	U	67.0			QL=4 ST=2 TYP=3
	204	IZMI	46	C	0954.2	0956.0	3.3	197.0			
	245	SGMR	8	S	0955.0	0956.0	1.0	97.0			QL=2 ST=2 TYP=3
	410	SVTO	4	S/F	0955.0	0956.0	3.0	77.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0955.0	0956.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	0956.0	0956.0	U	61.0			QL=2 ST=2 TYP=3
	204	IZMI	45	C	0957.7	0958.2	0.9	133.0			
	410	SGMR	4	S/F	1141.0	1146.0	5.0	45.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	1142.0	1142.0	4.0	57.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1142.0	1142.0	8.0	860.0			QL=4 ST=2 TYP=6
	245	SGMR	4	S/F	1143.0	1146.0	4.0	56.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1144.8	1145.2	4.1	68.0			
	245	SGMR	8	S	1849.0	1850.0	1.0	170.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1850.0	1850.0	U	130.0			QL=4 ST=2 TYP=3