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

OCTOBER 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	245	LEAR	43	NS	0143.0	0147.0	150.0	100.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0143.0	0147.0	1337.0	100.0			QL=4 ST=1 TYP=1
	204	IZMI	43	NS	0600.0		360.0D		5.0		
	127	TORN	44	NS	0620.0E		520.0D		1.0		V=0,DISTURBED
	245	SGMR	43	NS	1151.0	1930.0	579.0	210.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1151.0	1156.0	729.0	170.0			QL=4 ST=1 TYP=1
	235	CUBA	44	NS	1440.0E		380.0D		15.0		
	280	CUBA	44	NS	1440.0E		380.0D		20.0		
	245	PALE	43	NS	2015.0	2037.0	225.0	120.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	2015.0	2328.0	427.0	210.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2220.0	0000.0U	100.0				QL=4 ST=1 TYP=1
	245	LEAR	43	NS	2220.0	0323.0U	309.0	300.0			QL=4 ST=2 TYP=1
	410	LEAR	8	S	0101.0	0101.0	U	190.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0101.0	0101.0	U	48.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0143.0	0157.0	16.0	50.0			MR
	5730	IRKU	8	S	0244.4	0244.6	1.6	16.0	U		
	200	HIRA	8	S	0412.0	0413.0	2.0	80.0			WR
	5730	IRKU	1	S	0412.5	0413.5	8.5	6.0	U		
	245	SVTO	48	C	0505.0	0509.0	8.0	65.0			QL=4 ST=2 TYP=8
	5730	IRKU	46	C	0625.6	0647.2	38.4	290.0	U		
	3000	IZMI	40	F	0629.4	0631.3	2.7	19.0	9.0		
	4995	SVTO	8	S	0630.0	0631.0	2.0	33.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0630.0	0631.0	2.0	71.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0630.0	0631.0	2.0	39.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0640.0	0647.2	31.0	227.5			
	3000	IZMI	45	C	0641.5	0649.9	18.2	125.0	81.0		
	2695	SVTO	4	S/F	0643.0	0647.0	20.0	200.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0643.0	0646.0	32.0	250.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0643.0	0646.0	32.0	170.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0643.0	0646.0	60.0	250.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0643.0	0646.0	1037.0	250.0			QL=4 ST=1 TYP=3
	8800	SVTO	4	S/F	0643.0	0646.0	1037.0	170.0			QL=4 ST=1 TYP=3
	4995	SVTO	4	S/F	0643.0	0646.0	1037.0	250.0			QL=4 ST=1 TYP=3
	2695	SVTO	4	S/F	0643.0	0647.0	1037.0	200.0			QL=4 ST=1 TYP=3
	1415	LEAR	4	S/F	0644.0	0647.0	9.0	51.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0644.0	0646.0	18.0	180.0			QL=4 ST=2 TYP=3
	2800	HIRA	3	S	0644.0	0647.0	20.0	180.0			WL
	15400	LEAR	4	S/F	0644.0	0646.0	28.0	64.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0644.0	0646.0	31.0	110.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	0644.0	0646.0	42.0	91.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0644.0	0646.0	1036.0	180.0			QL=4 ST=1 TYP=3
	1415	LEAR	4	S/F	0644.0	0647.0	1036.0	51.0			QL=4 ST=1 TYP=3
	8800	LEAR	4	S/F	0644.0	0646.0	1036.0	110.0			QL=4 ST=1 TYP=3
	15400	LEAR	4	S/F	0644.0	0646.0	1036.0	64.0			QL=4 ST=1 TYP=3
	15400	SVTO	4	S/F	0644.0	0646.0	1036.0	91.0			QL=4 ST=1 TYP=3
	1415	SVTO	4	S/F	0645.0	0647.0	8.0	53.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0645.0	0647.0	1035.0	53.0			QL=4 ST=1 TYP=3
	200	HIRA	47	GB	0709.0	0709.0	1.0	1070.0			0
	245	LEAR	49	GB	0709.0	0709.0	U	550.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0709.0	0709.0	U	540.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0709.0	0709.0	U	540.0			QL=4 ST=4 TYP=6
	204	IZMI	41	F	0709.2	0709.2	0.2	65.0			
	204	IZMI	42	SER	0717.4	0719.8	2.7	151.0			
	245	LEAR	8	S	0831.0	0831.0	U	110.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	0839.0	0911.6	201.0D	170.0			
	245	LEAR	8	S	0910.0	0911.0	2.0	59.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1138.0	1138.0	1.0	74.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1154.9	1155.6	0.9	347.0			
	1415	SGMR	4	S/F	1256.0	1257.0	5.0	200.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1256.0	1256.0	5.0	1700.0			QL=4 ST=2 TYP=6
	410	SGMR	4	S/F	1256.0	1256.0	5.0	240.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1256.0	1257.0	5.0	160.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1256.0	1257.0	664.0	160.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	1256.0	1256.0	664.0	240.0			QL=4 ST=1 TYP=3
	245	SGMR	49	GB	1256.0	1256.0	664.0	1700.0			QL=4 ST=1 TYP=6
	1415	SGMR	4	S/F	1256.0	1257.0	664.0	200.0			QL=4 ST=1 TYP=3
	33	UPIC	48	C	1256.0	1258.5	11.0				
	127	TORN	47	GB	1256.6	1258.0	3.1	2100.0	360.0		
	2695	SGMR	4	S/F	1257.0	1257.0	4.0	37.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

OCTOBER 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	4995	SGMR	4	S/F	1257.0	1257.0	4.0	33.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1257.0	1257.0	663.0	33.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	1359.0	1400.0	5.0	50.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1359.0	1400.0	5.0	59.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1400.0	1402.0	2.0	36.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	1438.0	1503.0	73.0	13.0	6.0		13R
	9500	CUBA	2	S/F	1459.0	1500.0	4.0	46.0	21.0		
	6700	CUBA	2	S/F	1459.0	1459.5	3.6	46.0	23.0		10R
	6700	CUBA	1	S	2012.3	2012.8	1.5	8.0	4.0		24R
	2800	PENT	21	GRF	2048.0	2056.0	29.0	7.0			
	245	LEAR	4	S/F	2340.0	2342.0	3.0	140.0			QL=4 ST=2 TYP=3
02	245	SVTO	43	NS	0533.0	0641.0	86.0	110.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0533.0	0641.0	1107.0	110.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	0533.0	0538.0	1107.0	86.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0548.0	0552.0	68.0	130.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0548.0	0548.0	1092.0	70.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0548.0	0552.0	1092.0	130.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0550.0E		370.0D		45.0		
	127	TORN	44	NS	0620.0E		520.0D		20.0		V=2
	245	LEAR	43	NS	0910.0	0946.0	55.0	150.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0910.0	0913.0	890.0	55.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0910.0	0946.0	890.0	150.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1208.0	1228.0	712.0	83.0			QL=4 ST=1 TYP=1
	235	CUBA	44	NS	1300.0E		480.0D		13.0		
	280	CUBA	44	NS	1300.0E		480.0D		20.0		
	245	LEAR	43	NS	2233.0	2235.0	87.0	71.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	2233.0	0056.0	87.0	130.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	2233.0	0227.0	607.0	150.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	2238.0	2239.0	82.0	93.0			QL=4 ST=1 TYP=1
	245	LEAR	8	S	0207.0	0207.0	U	83.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0207.0	0207.0	U	83.0			QL=4 ST=4 TYP=3
	2840	PEKG	5	S	0216.0	0218.2	5.0	12.3			
	5730	IRKU	1	S	0217.5	0218.1	2.5	20.0	U		
	5730	IRKU	46	C	0241.2	0259.4	29.8	116.0	U		
	245	PALE	4	S/F	0245.0	0249.0	5.0	290.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0246.0	0248.0	4.0	130.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0246.0	0247.0	4.0	260.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	0246.0	0249.0	7.0	180.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0247.0	0248.0	3.0	20.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	0247.0	0248.0	3.0	19.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	0247.0	0300.0	35.0	270.0			MR
	200	HIRA	42	SER	0247.0	0320.0	36.0	40.0			O
	410	LEAR	4	S/F	0255.0	0300.0	7.0	320.0			QL=4 ST=2 TYP=3
	610	LEAR	49	GB	0256.0	0259.0	6.0	560.0			QL=4 ST=2 TYP=6
	610	PALE	49	GB	0256.0	0259.0	8.0	580.0			QL=4 ST=2 TYP=6
	2840	PEKG	5	S	0256.0	0259.3	8.0	38.2			
	4995	LEAR	4	S/F	0257.0	0259.0	3.0	37.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0257.0	0259.0	3.0	36.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0257.0	0259.0	4.0	400.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0257.0	0259.0	4.0	24.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	0257.0	0300.0	5.0	44.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	0257.0	0300.0	4.0	300.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	0257.0	0259.0	4.0	420.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0259.0	0259.0	1.0	41.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0259.0	0259.0	U	23.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0317.0	0320.0	4.0	370.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0537.0	0538.0	2.0	74.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0541.0	0543.0	3.0	58.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0549.8	0550.8	1.5	244.0			
	204	IZMI	25	R	0613.9	0633.2	19.8	202.0			
	3000	IZMI	5	S	0645.2	0645.5	17.0	9.0	4.0		
	8800	LEAR	20	GRF	0711.0	0725.0	87.0	87.0			QL=4 ST=2 TYP=2
	8800	LEAR	20	GRF	0711.0	0723.0	1009.0	86.0			QL=4 ST=1 TYP=2
	8800	LEAR	20	GRF	0711.0	0725.0	1009.0	87.0			QL=4 ST=1 TYP=2
	204	IZMI	42	SER	0722.3	0728.9	32.5	292.0			
	245	LEAR	8	S	0751.0	0752.0	2.0	87.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0752.0	0752.0	U	66.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0816.4	0838.4	23.2	518.0			

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

OCTOBER 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	600	GORK	21	GRF	0939.0	1047.4	81.0D	17.0			
	204	IZMI	25	R	0951.0	0955.3	5.0	172.0			
	900	GORK	46	C	0957.0	1003.9	8.0	10.0			
	600	GORK	42	SER	1002.4	1032.2		21.0			
	600	GORK	42	SER	1002.4	1052.2		31.0			
	600	GORK	42	SER	1002.4	1041.6		28.0			
	600	GORK	42	SER	1002.4	1044.7		13.0			
	600	GORK	42	SER	1002.4	1003.9	51.0	12.0			
	204	IZMI	42	SER	1003.9	1007.8	14.8	343.0			
	900	GORK	21	GRF	1030.0	1049.6	30.0D	13.0			
	900	GORK	42	SER	1036.6	1052.1		12.0			
	900	GORK	42	SER	1036.6	1046.6		21.0			
	900	GORK	42	SER	1036.6	1044.7		26.0			
	900	GORK	42	SER	1036.6	1037.7	16.4	32.0			
	204	IZMI	42	SER	1047.4	1050.3	3.4	276.0			
	245	SGMR	8	S	1207.0	1207.0	1.0	60.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1252.0	1252.0	U	81.0			QL=4 ST=2 TYP=3
	2800	PENT	41	F	1747.0	1801.0	105.0U	17.0			
	245	SGMR	8	S	1820.0	1820.0	U	210.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1958.0	1959.0	8.0	790.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1958.0	1958.0	7.0	1200.0			QL=4 ST=2 TYP=6
	4995	SGMR	48	C	1958.0	2002.0	7.0	120.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1958.0	1959.0	7.0	50.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1958.0	1959.0	7.0	110.0			QL=4 ST=2 TYP=3
	8800	SGMR	48	C	1959.0	2002.0	6.0	78.0			QL=4 ST=2 TYP=8
	410	SGMR	4	S/F	1959.0	2001.0	6.0	50.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	2005.0	2009.0	8.0	160.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2005.0	2006.0	6.0	13.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	2005.0	2006.0	6.0	48.0			QL=4 ST=3 TYP=3
	1415	SGMR	4	S/F	2005.0	2009.0	5.0	150.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2044.0	2044.0	U	81.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2050.0	2050.0	U	120.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2226.0	2226.0	U	170.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2233.0	2234.0	3.0	120.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2233.0	2234.0	87.0	70.0			QL=4 ST=1 TYP=3
	245	LEAR	4	S/F	2233.0	2234.0	87.0	70.0			QL=4 ST=4 TYP=3
	245	LEAR	8	S	2330.0	2330.0	U	220.0			QL=4 ST=2 TYP=3
03	204	IZMI	43	NS	0600.0		149.0U		5.0		
	204	IZMI	44	NS	0600.0E		360.0D		20.0		
	127	TORN	44	NS	0620.0E		520.0D		13.0		V=1
	245	SVTO	43	NS	0642.0	0754.0	123.0	120.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1215.0	1216.0	3.0	55.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1215.0	1216.0	705.0	55.0			QL=4 ST=1 TYP=1
	245	SVTO	43	NS	1248.0	1305.0	70.0	150.0			QL=4 ST=2 TYP=1
	280	CUBA	44	NS	1400.0E		420.0D		17.0		
	235	CUBA	44	NS	1400.0E		420.0D		10.0		
	200	HIRA	8	S	0107.0	0108.0	1.0	210.0			MR
	410	LEAR	8	S	0123.0	0124.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0123.0	0124.0	2.0	120.0			QL=4 ST=2 TYP=3
	5730	IRKU	1	S	0315.3	0316.1	1.9	12.0	U		
	5730	IRKU	1	S	0529.6	0531.0	4.4	4.0	U		
	204	IZMI	7	C	0603.9	0604.2	0.7	204.0			
	200	HIRA	8	S	0604.0	0604.0	1.0	90.0			0
	33	UPIC	4	S/F	0604.0	0604.5	1.5				
	5730	IRKU	4	S/F	0612.2	0614.6	9.2	6.0	U		
	200	HIRA	8	S	0634.0	0634.0	1.0	50.0			MR
	200	HIRA	8	S	0739.0	0739.0	1.0	120.0			WR
	5730	IRKU	4	S/F	0741.7	0743.0	23.3	6.0	U		
	33	UPIC	4	S/F	0752.0	0752.5	1.0				
	245	SGMR	4	S/F	1148.0	1148.0	4.0	92.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1214.0	1215.0	1.0	140.0			QL=4 ST=3 TYP=3
	2800	PENT	21	GRF	1830.0	1838.0	31.0	5.0			
	2800	PENT	21	GRF	2124.0	2129.0	37.0	14.0			
	200	HIRA	8	S	2255.0	2256.0	2.0	50.0			
04	204	IZMI	43	NS	0820.0		220.0D		5.0		
	280	CUBA	44	NS	1300.0E		440.0D		19.0		
	235	CUBA	44	NS	1340.0E		440.0D		8.0		

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

OCTOBER 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	5730	IRKU	1	S	0353.4	0355.1	3.7	6.0	U		
	5730	IRKU	4	S/F	0501.0	0504.2	13.0	18.0	U		
	5730	IRKU	4	S/F	0519.7	0523.4	17.3	14.0	U		
	204	IZMI	42	SER	0600.5	0601.2	5.8	31.0			
	204	IZMI	42	SER	0612.0	0614.1	4.6	342.0			
	200	HIRA	8	S	0613.0	0614.0	2.0	200.0			
	204	IZMI	42	SER	1055.8	1057.1	1.8	89.0			
	245	SVTO	8	S	1335.0	1336.0	2.0	180.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1336.0	1336.0	1.0	190.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1336.0	1336.0	1.0	21.0			QL=4 ST=2 TYP=3
	2800	PENT	3	S	1500.0	1509.0	17.0	24.0			
	2800	PENT	29	PBI	1730.0	1734.0	43.0	27.0			
	245	SGMR	8	S	1841.0	1841.0	1.0	140.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	1953.0	1954.0	1.0	590.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	1954.0	1954.0	U	97.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1954.0	1954.0	U	68.0			QL=4 ST=2 TYP=3
05	280	CUBA	44	NS	1300.0E		480.0D		17.0		
	235	CUBA	44	NS	1300.0E		480.0D		9.0		
	200	HIRA	8	S	0440.0	0440.0	1.0	90.0			0
	610	LEAR	4	S/F	0601.0	0602.0	4.0	180.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	0601.0	0602.0	3.0	150.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0601.0	0602.0	1079.0	180.0			QL=4 ST=1 TYP=3
	900	GORK	46	C	0601.5	0605.3		120.0			
	900	GORK	46	C	0601.5	0601.8U	4.1	200.0U			
	600	GORK	46	C	0601.6	0602.5U	4.1	74.0U			
	600	GORK	46	C	0601.6	0604.8		39.0			
	500	HIRA	7	C	0602.0	0603.0	4.0	30.0			0
	204	IZMI	7	C	0809.1	0809.2	0.3	24.0			
	33	UPIC	46	C	0906.0	0907.0	6.0				
	204	IZMI	42	SER	0906.2	0906.8	6.4	121.0			
	245	LEAR	8	S	0914.0	0914.0	U	60.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0914.0	0914.0	U	51.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1148.0	1149.0	2.1	85.0			
06	410	LEAR	43	NS	0018.0	0027.0	117.0	100.0			QL=4 ST=2 TYP=1
	410	LEAR	43	NS	0018.0	0027.0	1422.0	100.0			QL=4 ST=1 TYP=1
	280	CUBA	44	NS	1300.0E		480.0D		17.0		
	235	CUBA	44	NS	1300.0E		480.0D		9.0		
	410	LEAR	4	S/F	0008.0	0010.0	5.0	82.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0008.0	0010.0	1432.0	82.0			QL=4 ST=1 TYP=3
	410	PALE	4	S/F	0008.0	0008.0	1432.0	74.0			QL=4 ST=1 TYP=3
	200	HIRA	8	S	0114.0	0114.0	1.0	50.0			0
	245	LEAR	8	S	0114.0	0114.0	U	88.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0904.0	0905.0	1.0	55.0			QL=4 ST=2 TYP=3
	3000	IZMI	22	GRF	0955.2	1007.3	25.0	14.0	3.0		
	245	SVTO	8	S	1322.0	1323.0	2.0	140.0			QL=2 ST=2 TYP=3
	33	UPIC	46	C	1322.0	1323.5	3.5				
	280	CUBA	6	S	1322.9	1323.6	6.0	6.0			
	235	CUBA	6	S	1322.9	1323.6	2.7	6.0			
	245	SGMR	8	S	1323.0	1323.0	1.0	140.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2340.0	2340.0	1.0	40.0			0
07	200	HIRA	8	S	0602.0	0602.0	1.0	130.0			0
	500	HIRA	8	S	0602.0	0602.0	1.0	30.0			0
	410	LEAR	8	S	0602.0	0602.0	U	190.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0602.0	0602.0	U	280.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0602.0	0602.0	U	270.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0602.0	0602.0	U	280.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0602.0	0602.0	1078.0	190.0			QL=4 ST=1 TYP=3
	245	LEAR	4	S/F	0602.0	0602.0	1078.0	280.0			QL=4 ST=1 TYP=3
	204	IZMI	45	C	0602.2	0602.4	0.8	232.0			
	245	LEAR	8	S	0619.0	0620.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0619.0	0620.0	2.0	60.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0619.0	0620.0	2.0	190.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0619.0	0620.0	2.0	79.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0619.9	0620.2	1.1	186.0			
	500	HIRA	8	S	0620.0	0621.0	1.0	70.0			WL
	200	HIRA	8	S	0620.0	0620.0	1.0	100.0			0

S O L A R R A D I O E M I S S I O N
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OCTOBER 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	204	IZMI	7	C	0741.3	0741.4	0.3	10.0			
	245	LEAR	8	S	0744.0	0745.0	1.0	340.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0744.8	0745.0	0.5	186.0			
	410	LEAR	8	S	0800.0	0800.0	U	38.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0800.0	0800.0	U	420.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0800.3	0800.4	0.4	179.0			
	245	SGMR	8	S	1445.0	1446.0	1.0	64.0			QL=4 ST=2 TYP=3
	2800	PENT	3	S	2334.0	2339.0	11.0	12.0			
	2840	PEKG	5	S	2336.0	2339.0	6.0	20.2			
	4995	LEAR	8	S	2339.0	2339.0	U	29.0			QL=4 ST=2 TYP=3
08	245	SGMR	43	NS	1652.0	1652.0	10.0	100.0			QL=4 ST=2 TYP=1
	200	HIRA	8	S	0211.0	0212.0	1.0	480.0			
	245	LEAR	49	GB	0211.0	0212.0	1.0	510.0			QL=4 ST=2 TYP=6
	410	LEAR	8	S	0211.0	0212.0	1.0	40.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	0212.0	0212.0	U	670.0			QL=4 ST=2 TYP=6
	245	LEAR	8	S	0403.0	0404.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0408.0	0408.0	U	54.0			QL=4 ST=2 TYP=3
	3000	IZMI	7	C	0623.6	0623.7	0.2	41.0	10.0		
	410	LEAR	8	S	0656.0	0656.0	1.0	48.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0656.0	0656.0	1.0	71.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0736.8	0737.1	1.6	50.0			
	204	IZMI	42	SER	1021.2	1029.5	17.1	109.0			
	245	SGMR	4	S/F	1152.0	1153.0	5.0	71.0			QL=4 ST=2 TYP=3
	127	TORN	45	C	1231.4	1234.2	3.5	70.0	30.0		
	245	SGMR	8	S	1601.0	1602.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1621.0	1621.0	U	68.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1626.0	1627.0	3.0	63.0			QL=4 ST=2 TYP=3
09	280	CUBA	44	NS	1300.0E		480.0D		16.0		
	235	CUBA	44	NS	1300.0E		480.0D		8.0		
	245	SGMR	43	NS	1734.0	1844.0	119.0	240.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1734.0	1736.0	386.0	55.0			QL=4 ST=1 TYP=1
	245	SGMR	43	NS	1734.0	1750.0	386.0	77.0			QL=4 ST=1 TYP=1
	245	LEAR	8	S	0232.0	0232.0	U	53.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0232.0	0232.0	U	81.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0239.0	0239.0	U	67.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0359.0	0359.0	1.0	49.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0402.0	0402.0	1.0	70.0			
	245	LEAR	8	S	0402.0	0402.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0507.0	0510.0	5.0	100.0			QL=4 ST=3 TYP=3
	245	LEAR	4	S/F	0507.0	0510.0	5.0	100.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0510.0	0510.0	1.0	70.0			
	204	IZMI	42	SER	0743.3	0753.0	30.0	111.0			
	200	HIRA	47	GB	0748.0	0748.0	1.0	580.0			
	245	LEAR	8	S	0752.0	0752.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0752.0	0753.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1312.0	1313.0	3.0	64.0			QL=4 ST=2 TYP=3
	410	SGMR	49	GB	1312.0	1313.0	7.0	1200.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1312.0	1313.0	7.0	2000.0			QL=4 ST=2 TYP=6
	245	SVTO	48	C	1312.0	1313.0	6.0	1900.0			QL=2 ST=2 TYP=8
	410	SVTO	48	C	1312.0	1313.0	6.0	1100.0			QL=4 ST=2 TYP=8
	4995	SVTO	8	S	1312.0	1314.0	2.0	42.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1312.0	1313.0	648.0	2000.0			QL=4 ST=1 TYP=6
	410	SGMR	49	GB	1312.0	1313.0	648.0	1200.0			QL=4 ST=1 TYP=6
	610	SGMR	4	S/F	1312.0	1313.0	648.0	64.0			QL=4 ST=1 TYP=3
	410	SVTO	49	GB	1312.0	1313.0	648.0	1100.0			QL=4 ST=1 TYP=6
	245	SVTO	49	GB	1312.0	1313.0	648.0	1900.0			QL=2 ST=2 TYP=6
	245	SVTO	49	GB	1312.0	1313.0	648.0	1900.0			QL=2 ST=2 TYP=6
	127	TORN	46	C	1312.0	1314.2	7.3	300.0	70.0		
	33	UPIC	46	C	1312.5	1314.5	5.0				
	9500	CUBA	21	GRF	1313.0	1343.0	67.0	12.0	6.0		
	4995	SGMR	8	S	1313.0	1314.0	2.0	38.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1313.0	1313.0	2.0	55.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1313.0	1313.0	1.0	56.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1313.0	1314.0	1.0	53.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	1313.0	1420.0	104.0	10.0	5.0		OOL
	4995	SVTO	4	S/F	1313.0	1314.0	647.0	49.0			QL=4 ST=1 TYP=3
	2695	SVTO	4	S/F	1313.0	1313.0	647.0	59.0			QL=4 ST=1 TYP=3

S O L A R R A D I O E M I S S I O N
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OCTOBER 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	6700	CUBA	45	C	1313.2	1314.2	1.8	37.0	18.0		11L
	9500	CUBA	2	S/F	1313.2	1314.2	1.4	18.0	9.0		
	8800	SGMR	4	S/F	1314.0	1314.0	5.0	37.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1340.0	1341.0	4.0	360.0			QL=4 ST=2 TYP=3
	235	CUBA	7	C	1340.0	1342.6	3.7	32.0			
	280	CUBA	7	C	1340.0	1342.6	3.7		47.0		
	245	SVTO	8	S	1341.0	1341.0	2.0	300.0			QL=2 ST=2 TYP=3
	33	UPIC	46	C	1341.5	1342.5	3.0				
	6700	CUBA	1	S	1342.3	1343.2	1.5	16.0	8.0		22L
	127	TORN	45	C	1344.2	1345.3	7.0	80.0	20.0		
	235	CUBA	6	S	1454.9	1455.1	0.8	39.0			
	280	CUBA	6	S	1454.9	1455.1	8.0	26.0			
	245	SGMR	8	S	1455.0	1455.0	1.0	75.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1455.0	1455.0	U	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1622.0	1622.0	1.0	77.0			QL=4 ST=2 TYP=3
	280	CUBA	6	S	1656.9	1657.3	9.0	800.0			
	235	CUBA	6	S	1656.9	1657.3	0.9	1148.0			
	245	PALE	49	GB	1657.0	1657.0	1.0	820.0			QL=4 ST=2 TYP=6
	245	PALE	4	S/F	1725.0	1726.0	4.0	82.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1726.0	1726.0	3.0	82.0			QL=4 ST=2 TYP=3
	235	CUBA	41	F	1921.0	1933.7	14.6	39.0			
	280	CUBA	41	F	1921.0	1933.7	14.6	25.0			
	6700	CUBA	1	S	1933.2	1933.8	1.6	22.0	11.0		7L
	2800	PENT	41	F	2042.0	2050.0	23.0	9.0			
	245	PALE	8	S	2058.0	2059.0	1.0	93.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2058.0	2059.0	2.0	77.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	2245.0	2247.1	5.0	49.8			
	200	HIRA	8	S	2246.0	2247.0	1.0	390.0			ML
	2800	HIRA	8	S	2246.0	2247.0	1.0	40.0			0
	2695	LEAR	8	S	2246.0	2246.0	1.0	31.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2246.0	2246.0	1.0	200.0			QL=4 ST=2 TYP=3
	500	HIRA	4	S/F	2250.0	2251.0	5.0	50.0			0
	410	LEAR	4	S/F	2250.0	2250.0	3.0	82.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2250.0	2251.0	3.0	93.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2250.0	2251.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2250.0	2250.0	2.0	110.0			QL=4 ST=2 TYP=3
	500	HIRA	7	C	2322.0	0037.0	57.0	150.0			WL
	200	HIRA	8	S	2327.0	2328.0	1.0	170.0			ML
	245	LEAR	49	GB	2327.0	2327.0	1.0	720.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	2327.0	2327.0	1.0	850.0			QL=4 ST=2 TYP=6
	1415	LEAR	8	S	2331.0	2331.0	U	29.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2331.0	2331.0	1.0	34.0			QL=4 ST=2 TYP=3
	245	LEAR	48	C	2331.0	2337.0	24.0	290.0			QL=4 ST=2 TYP=8
	610	LEAR	48	C	2332.0	2337.0	11.0	66.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	2332.0	2337.0	11.0	63.0			QL=4 ST=2 TYP=8
	410	LEAR	48	C	2333.0	2337.0	9.0	270.0			QL=4 ST=2 TYP=8
	245	PALE	48	C	2333.0	2337.0	8.0	350.0			QL=4 ST=2 TYP=8
	410	PALE	48	C	2334.0	2337.0	9.0	350.0			QL=4 ST=2 TYP=8
	410	PALE	4	S/F	2349.0	2352.0	21.0	120.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2350.0	2352.0	12.0	93.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	2350.0	2352.0	20.0	67.0			QL=4 ST=2 TYP=3
10	245	LEAR	43	NS	0010.0	0011.0	71.0	68.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0010.0	0011.0	1430.0	68.0			QL=4 ST=1 TYP=1
	204	IZMI	43	NS	0600.0		360.0D		10.0		
	245	SVTO	43	NS	0733.0	0946.0	152.0	120.0			QL=2 ST=2 TYP=1
	245	SVTO	43	NS	0733.0	0922.0	987.0	88.0			QL=2 ST=1 TYP=1
	245	LEAR	43	NS	0747.0	0922.0	189.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0747.0	0835.0	973.0	81.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0747.0	0748.0	973.0	70.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0747.0	0922.0	973.0	110.0			QL=4 ST=1 TYP=1
	280	CUBA	44	NS	1522.0E		338.0D		17.0		
	235	CUBA	44	NS	1522.0E		339.0D		10.0		
	200	HIRA	8	S	0006.0	0006.0	1.0	100.0			ML
	200	HIRA	8	S	0407.0	0407.0	1.0	50.0			WL
	204	IZMI	42	SER	0644.5	0648.6	6.1	31.0			
	200	HIRA	42	SER	0645.0	0653.0	10.0	90.0			WL
	3000	IZMI	7	C	0648.4	0652.8	6.1	26.0	6.4		
	2840	PEKG	5	S	0651.0	0652.8	5.0	20.6			

S O L A R R A D I O E M I S S I O N
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OCTOBER 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	600	GORK	41	F	0651.3	0652.5	2.9	22.0			
	204	IZMI	46	C	0651.5	0652.7	3.6	181.0			
	900	GORK	2	S/F	0652.0	0653.0	3.2	3.4			
	245	LEAR	8	S	0652.0	0652.0	1.0	71.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0652.0	0652.0	1028.0	71.0			QL=4 ST=1 TYP=3
	5730	IRKU	1	S	0652.1	0653.3	5.9	12.0	U		
	2950	GORK	45	C	0652.5E	0653.5		6.4			
	9100	GORK	1	S	0652.5	0653.6	3.1	9.5			
	2950	GORK	45	C	0652.5E	0652.9	2.6D	7.5			
	204	IZMI	42	SER	0748.9	0751.3	8.7	163.0			
	245	SVTO	8	S	0807.0	0808.0	1.0	83.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0807.2	0807.5	0.6	115.0			
	204	IZMI	41	F	1005.3	1005.5	1.5	237.0			
	410	SGMR	8	S	1512.0	1514.0	2.0	84.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1513.0	1514.0	2.0	160.0			QL=4 ST=2 TYP=3
11	204	IZMI	44	NS	0600.0E		360.0D		5.0		
	127	TORN	44	NS	0620.0E		520.0D				V=1,DISTURBED
	280	CUBA	44	NS	1340.0E		440.0D		16.0		
	235	CUBA	44	NS	1340.0E		440.0D		10.0		
	5730	IRKU	1	S	0337.3	0338.5	2.0	9.0	U		
	610	LEAR	48	C	0550.0	0554.0	14.0	750.0			QL=4 ST=2 TYP=8
	610	LEAR	48	C	0550.0	0554.0	1090.0	750.0			QL=4 ST=1 TYP=8
	610	LEAR	4	S/F	0550.0	0551.0	1090.0	120.0			QL=4 ST=1 TYP=3
	610	SVTO	49	GB	0552.0	0554.0	12.0	630.0			QL=4 ST=2 TYP=6
	900	GORK	41	F	0554.6	0555.6		22.0			
	900	GORK	41	F	0554.6	0554.8	4.8	22.0			
	600	GORK	46	C	0554.9	0558.4	20.3	37.0			
	600	GORK	46	C	0554.9	0558.9		31.0			
	610	LEAR	8	S	0608.0	0609.0	1.0	150.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0608.0	0609.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0611.0	0611.0	U	99.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0611.0	0611.0	U	58.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0611.0	0611.0	1069.0	99.0			QL=4 ST=1 TYP=3
	610	LEAR	48	C	0616.0	0618.0	3.0	98.0			QL=4 ST=2 TYP=8
	610	LEAR	48	C	0616.0	0618.0	1064.0	98.0			QL=4 ST=1 TYP=8
	610	SVTO	8	S	0618.0	0618.0	1.0	73.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0643.0	0644.0	1.0	140.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0644.0	0644.0	U	180.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0644.0	0644.0	1036.0	180.0			QL=4 ST=1 TYP=3
	204	IZMI	25	R	0709.0		90.0		25.0		
	204	IZMI	41	F	1137.7	1137.8	0.5	114.0			
	245	SGMR	8	S	1529.0	1529.0	U	63.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1637.0	1637.0	1.0	140.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1803.0	1806.0	4.0	53.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1803.0	1806.0	4.0	160.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1803.0	1806.0	4.0	45.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	1806.0	1806.0	6.0	200.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1806.0	1807.0	1.0	160.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1806.0	1806.0	1.0	59.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1921.0	1921.0	U	70.0			QL=4 ST=2 TYP=3
12	245	LEAR	43	NS	0240.0	0451.0	225.0	100.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0240.0	0240.0	1280.0	69.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0240.0	0451.0	1280.0	100.0			QL=4 ST=1 TYP=1
	204	IZMI	44	NS	0600.0E		252.0D		5.0		
	127	TORN	44	NS	0620.0E		520.0D				V=1,DISRURBED
	280	CUBA	44	NS	1300.0E		530.0D		16.0		
	235	CUBA	44	NS	1300.0E		530.0D		8.0		
	200	HIRA	8	S	0142.0	0143.0	2.0	70.0			0
	204	IZMI	7	C	0838.3	0838.5	0.4	42.0			
	245	SVTO	8	S	0959.0	0959.0	1.0	56.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1441.0	1442.0	1.0	69.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2027.0	2028.0	2.0	40.0			QL=4 ST=2 TYP=3
	4995	PALE	48	C	2027.0	2036.0	17.0	240.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	2027.0	2036.0	14.0	170.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	2027.0	2036.0	15.0	150.0			QL=4 ST=2 TYP=8
	1415	SGMR	48	C	2027.0	2035.0	15.0	68.0			QL=4 ST=2 TYP=8
	9500	CUBA	21	GRF	2027.0	2043.0	73.0D	31.0			2140 OFF

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

OCTOBER 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
12	6700	CUBA	21	GRF	2027.0	2042.0	73.0D	26.0			21L 2140 OFF
	4995	PALE	48	C	2027.0	2036.0	213.0	240.0			QL=4 ST=1 TYP=8
	1415	PALE	4	S/F	2027.0	2028.0	213.0	40.0			QL=4 ST=1 TYP=3
	2695	PALE	48	C	2027.0	2036.0	213.0	170.0			QL=4 ST=1 TYP=8
	2695	SGMR	48	C	2027.0	2036.0	213.0	150.0			QL=4 ST=1 TYP=8
	1415	SGMR	4	S/F	2027.0	2027.0	213.0	38.0			QL=4 ST=1 TYP=3
	1415	SGMR	48	C	2027.0	2035.0	213.0	68.0			QL=4 ST=1 TYP=8
	2695	SGMR	4	S/F	2027.0	2028.0	213.0	58.0			QL=4 ST=1 TYP=3
	6700	CUBA	46	C	2027.8	2036.2	13.7	298.0			13L
	4995	SGMR	48	C	2028.0	2036.0	14.0	210.0			QL=4 ST=2 TYP=8
	4995	SGMR	48	C	2028.0	2036.0	212.0	210.0			QL=4 ST=1 TYP=8
	4995	SGMR	4	S/F	2028.0	2028.0	212.0	48.0			QL=4 ST=1 TYP=3
	8800	PALE	4	S/F	2033.0	2036.0	8.0	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2033.0	2036.0	9.0	180.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	2033.0	2035.0	9.0	64.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2033.0	2036.0	207.0	180.0			QL=4 ST=1 TYP=3
	8800	SGMR	4	S/F	2033.0	2036.0	207.0	180.0			QL=4 ST=1 TYP=3
	410	SGMR	4	S/F	2033.0	2035.0	207.0	64.0			QL=4 ST=1 TYP=3
	9500	CUBA	46	C	2033.6	2036.0	7.9	120.0			
	410	PALE	4	S/F	2034.0	2035.0	4.0	76.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2034.0	2036.0	5.0	94.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	2034.0	2036.0	8.0	78.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	2034.0	2035.0	206.0	76.0			QL=4 ST=1 TYP=3
	15400	PALE	4	S/F	2034.0	2036.0	206.0	94.0			QL=4 ST=1 TYP=3
	610	PALE	8	S	2035.0	2036.0	2.0	64.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2035.0	2036.0	205.0	64.0			QL=4 ST=1 TYP=3
	6700	CUBA	29	PBI	2041.5		14.0D	13.0			00L 2055 RAIN
13	235	CUBA	44	NS	1300.0E		530.0D		11.0		
	280	CUBA	44	NS	1300.0E		530.0D		16.0		
	245	SGMR	8	S	1251.0	1251.0	U	73.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1251.0	1251.0	U	64.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1401.2	1401.4	0.8	13.0	6.0		
	8800	SGMR	4	S/F	1442.0	1443.0	5.0	50.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1443.0	1444.0	2.0	59.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1443.4	1444.4	2.2	34.0	17.0		00L
	9500	CUBA	1	S	1443.6	1444.0	2.2	50.0	25.0		
14	280	CUBA	44	NS	1300.0E		530.0D		12.0		
	235	CUBA	44	NS	1300.0E		530.0D		6.0		
	410	LEAR	8	S	0042.0	0042.0	U	57.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0042.0	0042.0	1.0	130.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0042.0	0042.0	U	87.0			QL=4 ST=2 TYP=3
	245	PALE	48	C	0042.0	0045.0	3.0	980.0			QL=4 ST=2 TYP=8
	245	LEAR	4	S/F	0042.0	0042.0	1398.0	130.0			QL=4 ST=1 TYP=3
	410	LEAR	4	S/F	0042.0	0042.0	1398.0	57.0			QL=4 ST=1 TYP=3
	245	LEAR	8	S	0340.0	0340.0	U	240.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0340.0	0340.0	1.0	290.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	0340.0	0340.0	1.0	290.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0448.0	0449.0	1.0	85.0			QL=4 ST=2 TYP=3
	900	GORK	8	S	0826.2	0827.0U	1.5	250.0U			
	5730	IRKU	4	S/F	0832.0	0837.4	12.0	54.0	U		
	9100	GORK	28	PRE	0832.8	0835.9	3.2	10.0			
	2840	PEKG	3	S	0834.0	0837.2	12.0	17.7			
	3000	IZMI	22	GRF	0835.8	0837.1	5.5	19.0	8.0		
	2950	GORK	4	S/F	0835.9	0837.6	5.2	4.9			
	4995	LEAR	8	S	0836.0	0837.0	1.0	30.0			QL=4 ST=2 TYP=3
	9100	GORK	4	S/F	0836.0	0837.2	5.1	33.0			
15	235	CUBA	44	NS	1300.0E		530.0D		7.0		
	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	500	HIRA	7	C	0220.0	0222.0	3.0	40.0			0
	200	HIRA	7	C	0220.0	0222.0	6.0	90.0			0
	245	LEAR	8	S	0221.0	0221.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0221.0	0221.0	1299.0	150.0			QL=4 ST=1 TYP=3
	410	LEAR	8	S	0222.0	0222.0	U	31.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0706.5	0708.6	2.5	8.3			
	2950	GORK	1	S	0830.8	0832.2	4.8	1.5			
	600	GORK	46	C	0832.1	0833.2		56.0			

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

OCTOBER 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	600	GORK	46	C	0832.1	0832.8	2.3	80.0			
	900	GORK	2	S/F	0832.6	0833.1	1.0	12.0			
	245	LEAR	8	S	0953.0	0954.0	2.0	62.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1041.8	1042.1	0.6	29.0			
	2800	PENT	41	F	2128.0	2211.0	53.0	4.0			
16	280	CUBA	44	NS	1300.0E		530.0D		18.0		
	235	CUBA	44	NS	1300.0E		530.0D		7.0		
	204	IZMI	7	C	0555.9	0556.0	0.2	59.0			
	204	IZMI	7	C	0646.4	0654.2U	42.9	20.0			
	2950	GORK	21	GRF	0650.8	0751.6	79.7	7.1			
	2840	PEKG	3	S	0656.0	0700.8	10.0	11.8			
	3000	IZMI	20	GRF	0656.5	0700.6	12.3	18.0	6.0		
	900	GORK	20	GRF	0657.0	0702.0	8.3	3.0			
	2950	GORK	1	S	0657.4	0700.5	6.6	12.0			
	9100	GORK	20	GRF	0658.5	0739.0	100.5	16.0			
	900	GORK	46	C	0713.4	0715.1U	2.2	170.0U			
	900	GORK	22	GRF	0718.0	0728.2	111.0	17.0			
	900	GORK	22	GRF	0718.0	0738.6		17.0			
	2950	GORK	45	C	0722.3	0728.7	27.6	34.0			
	2950	GORK	45	C	0722.3	0737.9		18.0			
	600	GORK	46	C	0722.5	0728.0	21.8	87.0			
	600	GORK	46	C	0722.5	0738.6		68.0			
	3000	IZMI	20	GRF	0722.9	0728.8	9.1	44.0	24.0		
	2840	PEKG	3	S	0723.0	0728.7	21.0	25.6			
	5730	IRKU	20	GRF	0725.6	0730.5	36.4	18.0	U		
	610	LEAR	20	GRF	0726.0	0727.0	4.0	60.0			QL=4 ST=2 TYP=2
	2695	LEAR	20	GRF	0727.0	0729.0	3.0	30.0			QL=4 ST=2 TYP=2
	1415	LEAR	20	GRF	0728.0	0730.0	4.0	21.0			QL=4 ST=2 TYP=2
	4995	LEAR	20	GRF	0728.0	0728.0	1.0	26.0			QL=4 ST=2 TYP=2
	610	LEAR	20	GRF	0735.0	0738.0	4.0	47.0			QL=4 ST=2 TYP=2
	4995	LEAR	20	GRF	0735.0	0736.0	1.0	23.0			QL=4 ST=2 TYP=2
	1415	LEAR	20	GRF	0737.0	0738.0	2.0	26.0			QL=4 ST=2 TYP=2
	2695	LEAR	20	GRF	0741.0	0741.0	U	13.0			QL=4 ST=2 TYP=2
	9100	GORK	46	C	1011.7	1013.1	3.1	23.2			
	410	SVTO	8	S	1412.0	1412.0	1.0	54.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1714.0	1715.0	1.0	320.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1748.0	1750.0	2.0	51.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1748.0	1748.0	U	64.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1748.0	1748.0	U	58.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1748.0	1748.0	U	36.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	2253.0	2253.0	U	160.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2253.0	2253.0	U	200.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	2254.0	2255.0	1.0	170.0			0
17	235	CUBA	44	NS	1300.0E		530.0D		5.0		
	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	33	UPIC	46	C	1307.0	1312.0	8.5				
18	3000	IZMI	22	GRF	1043.4	1045.6	11.6	10.0	4.0		
	127	TORN	5	S	1436.2	1438.9	5.2	50.0D	30.0D		
19	235	CUBA	44	NS	1300.0E		502.0D		6.0		
	280	CUBA	44	NS	1300.0E		502.0D		16.0		
	2840	PEKG	5	S	0035.0	0037.9	6.0	23.6			
	2695	LEAR	8	S	0036.0	0037.0	2.0	31.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0037.0	0038.0	1.0	26.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0037.0	0037.0	1.0	65.0			QL=4 ST=2 TYP=3
	600	GORK	4	S/F	0547.0	0547.5	1.1	39.0			
	900	GORK	45	C	0547.2	0547.5	1.2	5.0			
	900	GORK	4	S/F	0657.2	0657.4	0.4	20.0			
	600	GORK	1	S	0657.2	0657.6	0.6	2.0			
	600	GORK	2	S/F	0719.9	0720.4	0.7	5.0			
	900	GORK	4	S/F	0723.6	0723.7	0.4	16.0			
	600	GORK	20	GRF	0726.0	0736.0	21.0	3.0			
	900	GORK	4	S/F	0737.7	0737.8U	1.7	220.0U			
	33	UPIC	46	C	1301.0	1302.0	3.0				
20	204	IZMI	43	NS	0606.0		195.0U		5.0		

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

OCTOBER 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	235	CUBA	44	NS	1300.0E		530.0D		6.0		
	280	CUBA	44	NS	1300.0E		530.0D		17.0		
	200	HIRA	8	S	0018.0	0019.0	2.0	30.0			WL
	245	LEAR	8	S	0018.0	0018.0	1.0	63.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0019.0	0019.0	U	68.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1044.0	1044.0	U	76.0			QL=4 ST=2 TYP=3
21	235	CUBA	44	NS	1300.0E		530.0D		7.0		
	280	CUBA	44	NS	1300.0E		530.0D		20.0		
	9100	GORK	1	S	0659.1	0659.6	1.0D	7.3			
	600	GORK	4	S/F	0703.7	0704.2	0.8	18.0			
	3000	IZMI	7	C	0744.9	0744.9	0.1	54.0	14.0		
	900	GORK	46	C	0800.8	0801.3		30.0			
	900	GORK	46	C	0800.8	0800.9	1.7	75.0			
	2950	GORK	20	GRF	0806.8	0809.0	22.6	2.7			
	204	IZMI	42	SER	0830.5	0831.4	1.4	28.0			
	9100	GORK	1	S	0928.8	0929.3	0.8	11.0			
	245	LEAR	8	S	0953.0	0953.0	1.0	100.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0953.0	0955.0	3.0	100.0			QL=4 ST=2 TYP=3
	3000	IZMI	22	GRF	0953.5	0955.9	8.6	10.0			
	6700	CUBA	22	GRF	1351.0	1443.0	149.0	19.0	9.0		6R
	2800	PENT	29	PBI	1810.0	1825.0	82.0U	122.0			
	6700	CUBA	21	GRF	1811.0	1833.0	73.0	44.0	22.0		3R
	9500	CUBA	21	GRF	1815.0	1839.0	90.0	38.0	19.0		
	6700	CUBA	4	S/F	1815.0	1820.4	8.2	38.0	19.0		5R
	9500	CUBA	2	S/F	1816.6	1817.8	5.3	19.0	9.0		
	4995	PALE	48	C	1817.0	1825.0	19.0	110.0			QL=4 ST=2 TYP=8
	4995	SGMR	48	C	1817.0	1825.0	13.0	110.0			QL=4 ST=2 TYP=8
	8800	SGMR	20	GRF	1817.0	1825.0	13.0	57.0			QL=4 ST=2 TYP=2
	2695	PALE	8	S	1824.0	1825.0	2.0	73.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1824.0	1825.0	6.0	100.0			QL=4 ST=2 TYP=3
	6700	CUBA	45	C	1824.0	1825.6	3.8	67.0			10L
	9500	CUBA	1	S	1824.4	1825.5	1.7	21.0	10.0		
	8800	PALE	8	S	1825.0	1825.0	U	28.0			QL=4 ST=2 TYP=3
22	410	LEAR	8	S	0446.0	0446.0	2.0	51.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1943.0	1943.0	2.0	55.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	2100.0	2112.0	47.0	8.0	4.0		16R
	6700	CUBA	21	GRF	2100.0	2112.0	47.0	8.0	4.0		16R
	2800	PENT	1	S	2103.0	2106.0	10.0	9.0			
	6700	CUBA	45	C	2107.2	2107.8	2.6	54.0			27R
	6700	CUBA	45	C	2107.2	2107.8	2.6	54.0	27.0		27R
23	600	GORK	4	S/F	0548.1	0548.6	1.2	45.0			
	900	GORK	2	S/F	0548.3	0548.6	0.7	7.0			
	245	PALE	8	S	1855.0	1855.0	U	78.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1855.0	1855.0	U	51.0			QL=4 ST=2 TYP=3
24	204	IZMI	43	NS	0740.0		95.0		5.0		
	127	TORN	43	NS	0832.0	0846.4	168.0	10.0			V=0
	900	GORK	21	GRF	0848.2	0900.2	32.8	7.0			
	900	GORK	42	SER	0909.2	0909.5	6.8	14.0			
	900	GORK	42	SER	0909.2	0913.6		19.0			
	600	GORK	42	SER	0909.3	0911.5	5.9	7.0			
	410	SVTO	8	S	0913.0	0913.0	1.0	88.0			QL=4 ST=2 TYP=3
	2800	PENT	40	F	1527.0	1533.0	15.0	13.0			
25	204	IZMI	43	NS	0701.0		197.0U		15.0		
	127	TORN	44	NS	1250.0E		130.0D				V=1,DISTURBED
	2840	PEKG	5	S	0254.0	0255.8	4.0	15.5			
	2840	PEKG	3	S	0420.0	0423.6	13.0	35.0			
	5730	IRKU	4	S/F	0423.0	0423.6	4.6	24.0	U		
	204	IZMI	42	SER	0611.9	0612.2	0.7	22.0			
	9500	CUBA	22	GRF	1253.0E	1253.0	159.0D	14.0			
	6700	CUBA	22	GRF	1301.0E	1301.0	105.0D	10.0			00L
	2800	PENT	40	F	1544.0	1547.0	17.0	51.0			
	2800	PENT	1	S	2038.0	2041.0	6.0	12.0			
	610	SGMR	8	S	2040.0	2041.0	1.0	66.0			QL=2 ST=2 TYP=3
	410	SGMR	4	S/F	2040.0	2041.0	5.0	81.0			QL=2 ST=2 TYP=3

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OCTOBER 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	6700	CUBA	1	S	2041.0	2041.3	1.0	11.0	5.0		00L
	200	HIRA	8	S	2315.0	2316.0	1.0	190.0			0
	245	LEAR	8	S	2315.0	2315.0	1.0	130.0			QL=4 ST=2 TYP=3
26	900	GORK	42	SER	0528.5	0529.1	8.7	150.0			
	900	GORK	42	SER	0528.5	0536.2		160.0			
	204	IZMI	7	C	0620.4	0620.5	0.8	15.0			
	900	GORK	4	S/F	0647.9	0648.3U	0.8	180.0U			
	900	GORK	40	F	0656.5	0658.5	3.0	46.0			
	900	GORK	42	SER	0830.1	0831.0		16.0			
	900	GORK	42	SER	0830.1	0851.2		33.0			
	900	GORK	42	SER	0830.1	0842.3		8.0			
	900	GORK	42	SER	0830.1	0830.3	21.5	11.0			
	900	GORK	42	SER	0830.1	0836.5		7.0			
	245	LEAR	8	S	0836.0	0836.0	1.0	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0836.0	0836.0	1.0	70.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0836.5	0836.8	0.7	437.0			
	410	SVTO	8	S	1111.0	1111.0	U	51.0			QL=4 ST=2 TYP=3
	3000	IZMI	22	GRF	1133.0	1135.2	3.8	25.0	8.0		
	127	TORN	42	SER	1324.6	1333.4	10.4	30.0	10.0		
	2800	PENT	40	F	1543.0	1610.0	49.0U	58.0			
	410	SGMR	4	S/F	1545.0	1547.0	6.0	75.0			QL=2 ST=2 TYP=3
	410	SGMR	48	C	1601.0	1607.0	11.0	83.0			QL=4 ST=2 TYP=8
	2695	SGMR	4	S/F	1609.0	1610.0	6.0	59.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1609.2	1610.2	4.8	17.0	8.0		22L
	4995	SGMR	4	S/F	1610.0	1610.0	5.0	36.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1616.0	1617.0	14.0	95.0			QL=4 ST=3 TYP=3
	410	SGMR	4	S/F	1616.0	1617.0	14.0	95.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1632.0	1632.0	1.0	58.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1632.0	1632.0	1.0	58.0			QL=4 ST=3 TYP=3
	245	SGMR	8	S	1654.0	1654.0	1.0	76.0			QL=4 ST=2 TYP=3
27	900	GORK	45	C	0517.7	0518.4	1.4	7.9			
	900	GORK	45	C	0517.7	0518.7		14.0			
	900	GORK	4	S/F	0537.0	0537.2	0.6	45.0			
	600	GORK	46	C	0539.5	0540.0		11.0			
	600	GORK	46	C	0539.5	0539.7	0.7	24.0			
	9100	GORK	1	S	0633.4E	0634.1	1.6D	11.0			
	2950	GORK	2	S/F	0732.5	0733.1	2.0	4.9			
	900	GORK	41	F	1041.7	1042.0	1.3	21.0			
	600	GORK	3	S	1042.4	1042.5	0.3	1.9			
	3000	IZMI	22	GRF	1115.4	1118.5	21.6	21.0	5.0		
	245	SGMR	8	S	1406.0	1406.0	2.0	160.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1406.0	1406.0	2.0	51.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1406.0	1406.0	U	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1437.0	1438.0	1.0	77.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1438.0	1438.0	1.0	18.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1518.0	1518.0	1.0	56.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1950.0	1951.0	1.3	11.0	5.0		33L
	9500	CUBA	2	S/F	1950.2	1951.0	1.2	10.0	5.0		
	2800	PENT	29	PBI	2042.0	2046.0	69.0	13.0			
	6700	CUBA	22	GRF	2045.0	2047.0	19.0D	12.0	6.0		12L
	9500	CUBA	21	GRF	2046.0	2052.0	16.0D	12.0			
	9500	CUBA	2	S/F	2046.8	2047.8	1.6	14.0	7.0		
28	127	TORN	44	NS	0620.0E		370.0D		4.0		V=0
	2840	PEKG	1	S	0517.0	0520.0	8.0	7.3			
	2950	GORK	2	S/F	0519.0	0520.5	3.5	6.8			
	600	GORK	41	F	0600.6	0600.8	2.9	4.7			
	9100	GORK	2	S/F	0629.5	0630.5	2.7	15.0			
	204	IZMI	42	SER	0702.6	0703.5	1.4	11.0			
	5730	IRKU	4	S/F	0703.0	0707.0	35.0	20.0	U		
	9100	GORK	23	GRF	0706.0	0707.5	18.3	16.0			
	9100	GORK	23	GRF	0706.0	0719.9		9.3			
	9100	GORK	45	C	0737.8	0738.0	0.6	40.0			
	9100	GORK	45	C	0737.8	0738.1		85.0			
	204	IZMI	7	C	0749.5	0749.6	0.5	24.0			
	204	IZMI	7	C	0758.9	0759.0	0.3	13.0			
	600	GORK	3	S	0934.0	0934.2	0.9	5.2			

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OCTOBER 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
28	900	GORK	1	S	0934.1	0934.2	0.4	4.5			
	3000	IZMI	22	GRF	0944.5	0948.2	11.5	24.0	12.0		
	9100	GORK	46	C	0945.4	0948.1		38.0			
	2950	GORK	46	C	0945.4	0948.3		19.0			
	2950	GORK	46	C	0945.4	0946.8	8.6	18.0			
	9100	GORK	46	C	0945.4	0946.8	4.6	50.0			
	9100	GORK	29	PBI	0950.0	0950.0	11.5	13.0			
	2950	GORK	29	PBI	0954.0	1009.5	51.2	6.1			
	204	IZMI	42	SER	1012.8	1012.8	0.8	15.0			
	900	GORK	42	SER	1014.3	1015.0	14.9	23.0			
	900	GORK	42	SER	1014.3	1026.9		140.0			
	600	GORK	41	F	1022.6	1022.9	4.0	7.2			
	3000	IZMI	22	GRF	1105.4	1108.6	33.5	11.0	4.0		
	245	SVTO	8	S	1227.0	1227.0	U	190.0			QL=2 ST=2 TYP=3
	15400	SVTO	8	S	1525.0	1525.0	1.0	37.0			QL=4 ST=4 TYP=3
	15400	SVTO	4	S/F	1525.0	1525.0	515.0	37.0			QL=4 ST=1 TYP=3
	6700	CUBA	21	GRF	1622.0	1634.0	51.0	12.0	6.0		48L
	9500	CUBA	21	GRF	1630.0	1635.0	38.0	11.0	5.0		
	9500	CUBA	2	S/F	1631.5	1632.3	3.0	8.0	4.0		
	6700	CUBA	1	S	1632.0	1632.5	1.5	9.0	4.0		18L
	9500	CUBA	21	GRF	1835.0	1851.0	86.0	9.0	4.0		
	2800	PENT	20	GRF	1841.0	1915.0	43.0	3.0			
	6700	CUBA	21	GRF	1842.0	2050.0	203.0D	15.0			00L SUNSET
	6700	CUBA	46	C	1842.6	1842.8	8.4	23.0			00L
	8800	SGMR	4	S/F	1846.0	1846.0	3.0	56.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1846.0	1846.0	3.0	58.0			QL=4 ST=2 TYP=3
	9500	CUBA	45	C	1846.0	1846.8	3.4	35.0	17.0		
	6700	CUBA	2	S/F	2122.2	2125.5	5.0	8.0	4.0		35R
	2840	PEKG	5	S	2325.0	2327.3	4.0	296.5			
	500	HIRA	8	S	2326.0	2327.0	2.0	330.0			0
	245	LEAR	8	S	2327.0	2327.0	U	210.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2327.0	2327.0	U	91.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2327.0	2327.0	U	220.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2327.0	2327.0	U	44.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	2327.0	2327.0	U	36.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2327.0	2327.0	U	40.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2327.0	2327.0	U	170.0			QL=4 ST=2 TYP=3
29	127	TORN	44	NS	0620.0E		520.0D		30.0		V=1
	204	IZMI	43	NS	0700.0		200.0U		0.5		
	2840	PEKG	47	GB	0128.0	0148.1	41.0	582.3			
	5730	IRKU	48	C	0129.0	0147.5	134.0E	1755.0	U		
	1415	LEAR	8	S	0130.0	0131.0	2.0	64.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0130.0	0131.0	2.0	76.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0130.0	0130.0	1.0	30.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0131.0	0131.0	1.0	34.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0135.0	0137.0	2.0	25.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0137.0	0138.0	2.0	56.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0137.0	0137.0	1.0	74.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0137.0	0138.0	2.0	68.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0137.0	0138.0	2.0	84.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0138.0	0138.0	U	26.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0138.0	0138.0	U	31.0			QL=4 ST=2 TYP=3
	1415	LEAR	48	C	0141.0	0221.0	49.0	650.0			QL=4 ST=2 TYP=8
	4995	LEAR	49	GB	0141.0	0147.0	45.0	990.0			QL=4 ST=2 TYP=6
	2695	PALE	48	C	0141.0	0225.0	75.0	1900.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0141.0	0221.0	1339.0	650.0			QL=4 ST=1 TYP=8
	4995	LEAR	49	GB	0141.0	0147.0	1339.0	990.0			QL=4 ST=1 TYP=6
	2695	PALE	48	C	0141.0	0220.0	1339.0	1500.0			QL=4 ST=1 TYP=8
	2695	LEAR	48	C	0142.0	0225.0	48.0	1800.0			QL=4 ST=2 TYP=8
	8800	LEAR	49	GB	0142.0	0147.0	41.0	1500.0			QL=4 ST=2 TYP=6
	4995	PALE	49	GB	0142.0	0147.0	41.0	1100.0			QL=4 ST=2 TYP=6
	1415	PALE	48	C	0142.0	0242.0	74.0	1100.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0142.0	0225.0	1338.0	1800.0			QL=4 ST=1 TYP=8
	8800	LEAR	49	GB	0142.0	0147.0	1338.0	1500.0			QL=4 ST=1 TYP=6
	2695	LEAR	48	C	0142.0	0220.0	1338.0	1400.0			QL=4 ST=1 TYP=8
	4995	PALE	49	GB	0142.0	0147.0	1338.0	1100.0			QL=4 ST=1 TYP=6
	1415	PALE	4	S/F	0142.0	0146.0	1338.0	460.0			QL=4 ST=1 TYP=3
	8800	PALE	49	GB	0143.0	0147.0	26.0	1400.0			QL=4 ST=2 TYP=6

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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
29	500	HIRA	7	C	0143.0	0155.0	67.0	130.0			0
	200	HIRA	7	C	0143.0	0303.0	92.0	100.0			0
	8800	PALE	49	GB	0143.0	0147.0	1337.0	1400.0			QL=4 ST=1 TYP=6
	610	LEAR	48	C	0144.0	0154.0	20.0	270.0			QL=4 ST=2 TYP=8
	410	LEAR	20	GRF	0144.0	0150.0	20.0	150.0			QL=4 ST=2 TYP=2
	410	LEAR	48	C	0144.0	0201.0	1336.0	140.0			QL=4 ST=1 TYP=8
	610	LEAR	48	C	0144.0	0154.0	1336.0	270.0			QL=4 ST=1 TYP=8
	15400	PALE	49	GB	0145.0	0147.0	9.0	690.0			QL=4 ST=2 TYP=6
	245	LEAR	48	C	0145.0	0202.0	31.0	120.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0145.0	0202.0	1335.0	120.0			QL=4 ST=1 TYP=8
	15400	PALE	49	GB	0145.0	0147.0	1335.0	690.0			QL=4 ST=1 TYP=6
	15400	LEAR	49	GB	0146.0	0147.0	27.0	720.0			QL=4 ST=2 TYP=6
	15400	LEAR	49	GB	0146.0	0147.0	1334.0	720.0			QL=4 ST=1 TYP=6
	2840	PEKG	47	GB	0210.0	0225.2	37.0	880.2			
	410	LEAR	4	S/F	0230.0	0231.0	3.0	140.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0230.0	0230.0	15.0	480.0			QL=4 ST=2 TYP=3
	245	LEAR	20	GRF	0230.0	0234.0	11.0	140.0			QL=4 ST=2 TYP=2
	1415	LEAR	48	C	0230.0	0242.0	15.0	990.0			QL=4 ST=2 TYP=8
	245	LEAR	20	GRF	0247.0	0255.0	21.0	160.0			QL=4 ST=2 TYP=2
	2840	PEKG	1	S	0335.0	0338.0	6.0	9.7			
	2840	PEKG	45	C	0622.0	0625.0	7.0	14.3			
	410	LEAR	8	S	0623.0	0624.0	2.0	180.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0623.0	0625.0	3.0	120.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0624.0	0625.0	2.0	210.0			0
	610	LEAR	8	S	0624.0	0625.0	2.0	91.0			QL=4 ST=2 TYP=3
	410	SVTO	49	GB	0624.0	0624.0	1.0	520.0			QL=4 ST=2 TYP=6
	2950	GORK	45	C	0624.3	0625.8		16.0			
	2950	GORK	45	C	0624.3	0624.9	2.9	18.0			
	9100	GORK	45	C	0624.5	0624.8	1.6	15.6			
	1415	SVTO	8	S	0625.0	0625.0	1.0	100.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0625.0	0625.0	1.0	97.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	0822.0		118.0		15.0		
	245	SVTO	8	S	1128.0	1128.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1136.0	1137.0	1.0	270.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1137.0	1137.0	U	260.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1145.7	1145.8	0.8	11.0			
	127	TORN	45	C	1422.6	1427.5	6.5	40.0	20.0		
	127	TORN	4	S/F	1447.5	1448.2	1.6	60.0D	20.0D		
	2800	PENT	1	S	1603.0	1609.0	9.0	4.0			
30	3000	IZMI	7	C	1115.2	1116.5	3.2	11.0	4.0		
	245	SGMR	8	S	1614.0	1615.0	1.0	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1614.0	1614.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1706.0	1706.0	2.0	75.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1707.0	1707.0	1.0	20.0			QL=4 ST=2 TYP=3
	410	SGMR	49	GB	1707.0	1707.0	1.0	700.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	1753.0	1753.0	1.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	2235.0	2237.0	2.0	180.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	2237.0	2237.0	1.0	190.0			0
31	2840	PEKG	3	S	0251.0	0254.8	15.0	19.2			
	5730	IRKU	4	S/F	0252.7	0300.0	28.8	28.0	U		
	610	LEAR	8	S	0259.0	0259.0	U	270.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0730.4	0731.1	1.6	6.0			
	204	IZMI	41	F	0747.2	0747.6	0.6	33.0			
	410	LEAR	8	S	0951.0	0952.0	2.0	35.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0951.0	0952.0	2.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0952.0	0952.0	1.0	11.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1749.0	1749.0	U	60.0			QL=4 ST=2 TYP=3