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

NOVEMBER 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	SGMR	43	NS	1627.0	1652.0	81.0	110.0			QL=4 ST=2 TYP=1
	2840	PEKG	20	GRF	0504.0	0517.5	20.0	8.0			
	2840	PEKG	20	GRF	0634.0	0638.0	16.0	7.3			
	3000	IZMI	20	GRF	0927.7	0928.9	2.9	13.0	7.0		
	3000	IZMI	22	GRF	0957.4	1013.9	26.0	12.0	3.0		
	204	IZMI	42	SER	1107.7	1108.6	1.2	96.0			
	204	IZMI	7	C	1139.5	1139.5	0.2	58.0			
	610	SGMR	4	S/F	1735.0	1738.0	5.0	100.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1736.0	1738.0	4.0	42.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	1832.0	1843.0	42.0	8.0	4.0		00L
	9500	CUBA	1	S	1833.0	1833.3	2.2	10.0	5.0		
	6700	CUBA	1	S	1833.9	1834.5	1.4	11.0	5.0		11L
	245	PALE	8	S	1948.0	1948.0	U	54.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1948.0	1948.0	U	59.0			QL=4 ST=2 TYP=3
02	410	SVTO	8	S	0859.0	0859.0	U	98.0			QL=4 ST=2 TYP=3
	2800	PENT	42	SER	1829.0	1900.0	61.0	16.0			
	200	HIRA	8	S	2242.0	2243.0	2.0	240.0			0
	245	LEAR	8	S	2243.0	2243.0	U	74.0			QL=4 ST=2 TYP=3
03	245	SGMR	43	NS	1900.0	1900.0	15.0	54.0			QL=4 ST=2 TYP=1
	200	HIRA	8	S	0031.0	0032.0	1.0	120.0			0
	2840	PEKG	1	S	0457.0	0459.0	6.0	8.3			
	245	SVTO	8	S	0914.0	0914.0	U	110.0			QL=4 ST=2 TYP=3
	3000	IZMI	20	GRF	0949.5	0952.8	15.7	10.0			
	245	SGMR	8	S	1824.0	1825.0	2.0	73.0			QL=4 ST=2 TYP=3
	2800	PENT	22	GRF	1830.0	1924.0	62.0U	12.0			
	2800	PENT	29	PBI	2058.0	2103.0	24.0	5.0			
	2800	PENT	1	S	2251.0	2258.0	77.0	27.0			
	2695	LEAR	8	S	2257.0	2258.0	2.0	46.0			QL=4 ST=2 TYP=3
04	127	TORN	44	NS	0620.0E		490.0D		3.0		V=1
	204	IZMI	43	NS	1025.5		39.0		10.0		
	2840	PEKG	5	S	0238.0	0241.0	7.0	13.2			
	2840	PEKG	1	S	0736.0	0738.5	6.0	5.2			
	2950	GORK	2	S/F	0737.8	0738.5	2.2	8.0			
	3000	IZMI	7	C	0737.8	0738.5	2.4	12.0	2.0		
	900	GORK	2	S/F	0738.0	0739.0	2.8	4.2			
	600	GORK	46	C	0738.0	0739.1		1.9			
	600	GORK	46	C	0738.0	0738.3	4.2	5.8			
	204	IZMI	42	SER	0803.5	0804.0	0.8	7.0			
	900	GORK	42	SER	0942.5	1021.4		12.0			
	900	GORK	42	SER	0942.5	0943.4	51.5	35.0			
	127	TORN	4	S/F	0954.8	0956.2	2.6	150.0	80.0		
	600	GORK	42	SER	0957.4	1040.0		6.5			
	600	GORK	42	SER	0957.4	1027.2	48.1	28.0U			
	204	IZMI	42	SER	1018.4	1018.5	2.4	22.0			
	2950	GORK	23	GRF	1020.0	1039.5		11.0			
	2950	GORK	23	GRF	1020.0	1026.7	21.2	10.0			
	3000	IZMI	42	SER	1020.2	1021.6	7.5	14.0	5.0		
	127	TORN	46	C	1025.2	1028.3	4.2	170.0	60.0		
	204	IZMI	7	C	1037.6	1037.9	0.6	76.0			
	3000	IZMI	20	GRF	1038.3	1039.5	3.7	18.0	8.0		
	127	TORN	42	SER	1204.7	1206.8	9.0	70.0			
	6700	CUBA	23	GRF	1352.0	1357.0	56.0	8.0	4.0		00L
	2695	SGMR	8	S	1421.0	1422.0	1.0	47.0			QL=4 ST=2 TYP=3
05	127	TORN	44	NS	0620.0E		410.0D		2.0		V=0
	204	IZMI	43	NS	0700.0		300.0D		15.0		
	500	HIRA	4	S/F	0043.0	0046.0	9.0	70.0			0
	610	LEAR	49	GB	0044.0	0045.0	3.0	560.0			QL=4 ST=2 TYP=6
	410	LEAR	4	S/F	0104.0	0104.0	3.0	79.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0111.0	0112.0	2.0	80.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0128.0	0128.0	3.0	68.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0133.0	0133.0	U	66.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0138.0	0140.0	2.0	100.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0523.0	0525.9	8.0	24.3			
	204	IZMI	7	C	0709.3	0709.4	0.2	24.0			
	204	IZMI	42	SER	0811.5	0811.6	5.1	99.0			

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

NOVEMBER 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	2950	GORK	46	C	0934.0	0935.0		23.0			
	900	GORK	46	C	0934.0	0934.2	4.0	15.0			
	900	GORK	46	C	0934.0	0935.3		10.0			
	2950	GORK	46	C	0934.0	0934.3	3.6	25.0			
	9100	GORK	45	C	0934.0	0934.6	2.0	19.0			
	9100	GORK	45	C	0934.0	0934.9		24.0			
	600	GORK	4	S/F	0934.3	0934.9	3.0	15.0			
	204	IZMI	42	SER	1053.2	1053.4	2.1	119.0			
	2800	PENT	1	S	1557.0	1600.0	7.0	12.0			
	6700	CUBA	1	S	1600.5	1600.8	1.7	10.0	5.0		31L
	245	SGMR	8	S	1735.0	1735.0	U	160.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1902.0	1902.0	U	79.0			QL=4 ST=2 TYP=3
06	200	HIRA	8	S	0318.0	0319.0	1.0	50.0			WL
	245	LEAR	8	S	0732.0	0732.0	1.0	87.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0732.0	0732.0	1.0	85.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0732.0	0732.0	3.0	30.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0732.7	0732.9	0.5	280.0			
	3000	IZMI	22	GRF	0933.0	0935.0	3.3	26.0	7.0		
	204	IZMI	41	F	0933.9	0934.4	2.1	45.0			
	410	LEAR	8	S	0934.0	0934.0	1.0	61.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0934.0	0934.0	U	80.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0934.0	0935.0	1.0	42.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0934.0	0935.0	1.0	30.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0934.0	0934.0	U	77.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0934.0	0934.0	1.0	92.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0935.0	0935.0	U	32.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1234.0	1234.0	1.0	260.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1234.0	1234.0	1.0	180.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1656.0	1659.0	8.0	11.0			
	15400	LEAR	20	GRF	2214.0	2242.0	102.0	51.0			QL=4 ST=2 TYP=2
07	2840	PEKG	1	S	0007.0	0009.4	5.0	4.8			
	2840	PEKG	1	S	0151.0	0154.0	6.0	8.4			
	2840	PEKG	3	S	0335.0	0341.0	13.0	29.8			
	4995	LEAR	8	S	0340.0	0340.0	1.0	32.0			QL=4 ST=2 TYP=3
	3000	IZMI	20	GRF	0930.9	0932.4	2.7	15.0	8.0		
	3000	IZMI	46	C	1155.9	1201.8	20.2	125.0	27.0		
	2695	SGMR	4	S/F	1157.0	1200.0	7.0	89.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1158.0	1200.0	6.0	140.0			QL=4 ST=2 TYP=3
	127	TORN	4	S/F	1413.0	1414.6	5.0	30.0	10.0		
08	127	TORN	44	NS	0640.0E		500.0D		12.0		V=0
	9100	GORK	46	C	0949.5	0952.0	4.5	270.0			
	9100	GORK	46	C	0949.5	0952.4		250.0			
	600	GORK	40	F	0950.5	0951.5	1.8	48.0			
	204	IZMI	42	SER	0950.7	0951.1U	1.5	47.0U			
	3000	IZMI	22	GRF	0951.0	0952.0	3.1	27.0	14.0		
	15400	LEAR	8	S	0951.0	0952.0	2.0	350.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0951.0	0952.0	2.0	58.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0951.0	0952.0	2.0	220.0			QL=4 ST=2 TYP=3
	900	GORK	2	S/F	0951.0	0952.5	3.9	11.0			
	9100	GORK	29	PBI	0954.0	0954.0	12.8	22.0			
	204	IZMI	42	SER	1045.8	1045.9	0.6	84.0			
	204	IZMI	42	SER	1052.9	1053.2	0.6	199.0			
	2800	PENT	1	S	1623.0	1629.0	13.0	14.0			
	9500	CUBA	21	GRF	1624.0	1640.0	25.0	8.0	4.0		
	6700	CUBA	21	GRF	1624.0	1650.0	39.0	10.0	5.0		8L
	6700	CUBA	40	F	1624.5	1629.5	13.0	49.0	24.0		00L
	9500	CUBA	40	F	1625.2	1629.5	7.8	47.0	23.0		
	2800	PENT	40	F	2233.0	2318.0	45.0U	755.0			
	1415	LEAR	48	C	2258.0	2318.0	80.0	390.0			QL=4 ST=2 TYP=8
	1415	PALE	48	C	2258.0	2318.0	89.0	420.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	2258.0	2318.0	103.0	710.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	2258.0	2318.0	114.0	740.0			QL=4 ST=2 TYP=8
	4995	PALE	48	C	2300.0	2318.0	101.0	440.0			QL=4 ST=2 TYP=8
	410	PALE	8	S	2301.0	2301.0	U	42.0			QL=4 ST=2 TYP=3
	2800	HIRA	47	GB	2301.0	2319.0	67.0	670.0			WL
	500	HIRA	21	GRF	2301.0	2347.0	77.0	10.0			0

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

NOVEMBER 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
08	4995	LEAR	48	C	2303.0	2318.0	109.0	420.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	2304.0	2305.0	1.0	40.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2305.0	2318.0	96.0	240.0			QL=4 ST=2 TYP=3
	15400	PALE	20	GRF	2306.0	2343.0	66.0	160.0			QL=4 ST=2 TYP=2
	8800	LEAR	48	C	2306.0	2318.0	72.0	210.0			QL=4 ST=2 TYP=8
	500	HIRA	4	S/F	2311.0	2311.0	10.0	20.0			WR
	2840	PEKG	47	GB	2316.0E	2319.1	64.0D	765.1			
	610	LEAR	8	S	2326.0	2326.0	U	21.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	2326.0	2326.0	U	21.0			QL=4 ST=2 TYP=3
09	127	TORN	44	NS	0640.0E		500.0D		5.0		V=1
	600	GORK	42	SER	0903.0	0903.1	5.0	5.0			
	600	GORK	42	SER	0903.0	0907.6		3.0			
	900	GORK	1	S	0905.2	0905.4	0.8	9.0			
	9100	GORK	4	S/F	0907.4	0907.6	0.5	32.0			
	204	IZMI	7	C	1018.9	1019.0	0.2	27.0			
	9500	CUBA	22	GRF	1531.0	1531.0	78.0	12.0	6.0		
	6700	CUBA	22	GRF	1545.0	1558.0	124.0	20.0	10.0		18L
	2800	PENT	1	S	1608.0	1612.0	9.0	12.0			
	2800	PENT	40	F	2108.0	2120.0	24.0U	25.0			
	200	HIRA	42	SER	2248.0	2256.0	9.0	40.0			0
	500	HIRA	42	SER	2252.0	2256.0	5.0	50.0			0
	410	LEAR	4	S/F	2254.0	2256.0	3.0	320.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2256.0	2256.0	1.0	260.0			QL=4 ST=2 TYP=3
10	4995	PALE	49	GB	0144.0	0150.0	8.0	6100.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	0149.0	0149.0	1.0	830.0			QL=4 ST=2 TYP=6
	200	HIRA	8	S	2236.0	2236.0	2.0	50.0			WL
11	2840	PEKG	1	S	0738.0	0740.2	5.0	4.6			
	3000	IZMI	5	S	0739.1	0739.9	1.3	9.0			
	204	IZMI	42	SER	0829.1	0832.3	3.6	56.0			
	3000	IZMI	7	C	0928.1	0928.2	0.2	49.0	14.0		
	33	UPIC	46	C	1200.0	1200.5	3.0				
	245	SGMR	4	S/F	1842.0	1843.0	3.0	120.0			QL=4 ST=2 TYP=3
12	200	HIRA	8	S	0626.0	0628.0	2.0	60.0			WL
	245	LEAR	8	S	0848.0	0849.0	1.0	150.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0848.8	0849.0	0.4	288.0			
	204	IZMI	7	C	0853.2	0853.3	0.2	90.0			
	600	GORK	42	SER	0923.8	0924.2	2.4	11.0			
	600	GORK	42	SER	0923.8	0926.6		65.0			
	900	GORK	42	SER	0923.8	0926.6	2.8	30.0			
	204	IZMI	41	F	0945.5	0946.0	0.9	28.0			
	204	IZMI	7	C	0952.2	0952.4	0.4	13.0			
	3000	IZMI	7	C	1013.2	1013.3	0.2	42.0	11.0		
	204	IZMI	7	C	1016.9	1017.0	0.2	40.0			
	9500	CUBA	20	GRF	1404.0	1433.0	80.0	10.0	5.0		
	6700	CUBA	20	GRF	1411.0	1427.0	90.0	13.0	6.0		9R
13	204	IZMI	43	NS	0700.0		220.0U		10.0		
	127	TORN	44	NS	1030.0E		270.0D		11.0		V=1
	204	IZMI	42	SER	0658.5	0658.5	2.4	18.0			
	2800	PENT	21	GRF	1617.0	1625.0	45.0	9.0			
	245	SGMR	8	S	1840.0	1840.0	U	52.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2330.0	2330.0	1.0	60.0			0
14	204	IZMI	43	NS	0700.0		300.0D		10.0		
	245	SVTO	43	NS	1028.0	1228.0	120.0	360.0			QL=2 ST=2 TYP=1
	410	SVTO	43	NS	1122.0	1148.0	75.0	190.0			QL=2 ST=2 TYP=1
	127	TORN	44	NS	1230.0E		130.0D		16.0		V=1
	200	HIRA	8	S	0339.0	0340.0	1.0	120.0			WR
	8800	LEAR	20	GRF	0339.0	0350.0	1221.0	48.0			QL=4 ST=1 TYP=2
	200	HIRA	42	SER	0416.0	0420.0	5.0	170.0			0
	200	HIRA	8	S	0434.0	0436.0	2.0	40.0			0
	200	HIRA	42	SER	0457.0	0459.0	3.0	130.0			0
	245	SVTO	8	S	0717.0	0718.0	2.0	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0741.0	0741.0	U	66.0			QL=4 ST=2 TYP=3
	3000	IZMI	20	GRF	0752.5	0756.6	7.5	9.0	4.0		

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NOVEMBER 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	600	GORK	46	C	0752.7	0756.4	7.3	110.0			
	204	IZMI	42	SER	0754.2	0756.1	4.8	162.0			
	900	GORK	46	C	0754.4	0757.1	3.8	680.0			
	610	SVTO	8	S	0755.0	0756.0	2.0	68.0			QL=4 ST=3 TYP=3
	204	IZMI	25	R	0802.8	0830.7	128.2	23.0	11.0		
	600	GORK	22	GRF	0806.6	0816.2	21.3	17.0			
	3000	IZMI	20	GRF	0807.1	0846.2	117.7	11.0			
	245	SVTO	8	S	0857.0	0858.0	2.0	200.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0939.0	0939.0	2.0	90.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0950.0	0952.0	2.0	86.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	1026.4	1026.6	0.3	20.0			
	204	IZMI	46	C	1030.4	1030.8	0.7	108.0			
	204	IZMI	41	F	1031.9	1032.5	0.8	41.0			
	204	IZMI	7	C	1042.2	1042.3	0.3	24.0			
	204	IZMI	42	SER	1115.8	1115.8	0.6	66.0			
	204	IZMI	42	SER	1153.0	1153.8	2.2	23.0			
	127	TORN	48	C	1332.0	1333.7	3.6	330.0	80.0		
	245	SGMR	8	S	1410.0	1410.0	2.0	82.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1410.0	1410.0	U	91.0			QL=4 ST=2 TYP=3
	2800	PENT	21	GRF	1615.0	1629.0	37.0	25.0			
	6700	CUBA	21	GRF	1627.0	1641.0	30.0	4.0	2.0		OOL
	8800	SGMR	8	S	1628.0	1629.0	2.0	39.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1628.0	1629.0	1.0	29.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1628.0	1629.0	2.0	140.0			QL=4 ST=2 TYP=3
	9500	CUBA	20	GRF	1628.0	1629.0	28.0	18.0	9.0		
	6700	CUBA	2	S/F	1628.2	1629.5	5.8	30.0	15.0		OOL
	245	PALE	8	S	1914.0	1914.0	U	190.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1914.0	1914.0	1.0	130.0			QL=4 ST=2 TYP=3
15	127	TORN	44	NS	0650.0E		490.0D		21.0		V=0
	204	IZMI	44	NS	0700.0E		300.0D		5.0		
	2800	HIRA	3	S	0242.0	0245.0	5.0	50.0			0
	500	HIRA	8	S	0242.0	0244.0	4.0	330.0			0
	200	HIRA	8	S	0242.0	0244.0	3.0	110.0			0
	2840	PEKG	5	S	0242.0	0244.9	7.0	56.1			
	8800	LEAR	8	S	0243.0	0244.0	2.0	93.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0243.0	0244.0	2.0	95.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	0243.0	0244.0	2.0	780.0			QL=4 ST=2 TYP=6
	245	PALE	8	S	0243.0	0244.0	1.0	270.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0243.0	0244.0	1.0	200.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0244.0	0244.0	1.0	52.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0244.0	0244.0	U	28.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0244.0	0244.0	1.0	38.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0244.0	0244.0	1.0	90.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0244.0	0244.0	1.0	69.0			QL=4 ST=2 TYP=3
	3000	IZMI	5	S	0711.5	0711.5	0.2	38.0	10.0		
	3000	IZMI	20	GRF	0727.9	0729.8	2.5	10.0	5.0		
	204	IZMI	42	SER	0855.2	0855.8	1.6	70.0			
	33	UPIC	46	C	0855.5	0856.0	1.5				
	204	IZMI	42	SER	0859.6	0859.7	1.1	94.0			
	6700	CUBA	1	S	1820.4	1821.0	1.6	6.0	3.0		14R
	6700	CUBA	1	S	2045.8	2046.6	1.8	6.0	3.0		21R
16	204	IZMI	44	NS	0700.0E		300.0D		5.0		
	2840	PEKG	1	S	0141.0	0143.5	5.0	7.8			
	2840	PEKG	1	S	0216.0	0218.2	4.0	7.8			
	500	HIRA	8	S	0218.0	0218.0	1.0	20.0			0
	9100	GORK	8	S	0725.8	0726.0	0.4	45.0			
	204	IZMI	42	SER	1036.9	1037.3	1.3	74.0			
	33	UPIC	48	C	1101.0	1102.0	10.0				UNCERTN
	245	SGMR	8	S	1844.0	1844.0	1.0	110.0			QL=4 ST=2 TYP=3
17	204	IZMI	44	NS	0700.0E		300.0D		10.0		
	200	HIRA	7	C	0203.0	0206.0	4.0	60.0			
	204	IZMI	25	R	1101.0		59.0D		30.0		
	204	IZMI	45	C	1111.4	1111.9	0.9	143.0			
	6700	CUBA	20	GRF	1825.0	2100.0	2100.0	18.0	9.0		OOL
	2800	PENT	1	S	1845.0	1849.0	8.0	6.0			
	2800	PENT	24	R	2031.0	2109.0	61.0U	14.0			

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NOVEMBER 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	204	IZMI	44	NS	0700.0E		300.0D		13.0		
	2840	PEKG	1	S	0143.0	0145.8	5.0	5.1			
	2840	PEKG	5	S	0225.0	0228.1	6.0	11.4			
	245	LEAR	4	S/F	0520.0	0522.0	3.0	65.0			QL=4 ST=2 TYP=3
	900	GORK	46	C	0704.0	0705.0		15.0			
	900	GORK	46	C	0704.0	0704.2	2.0	18.0			
	9100	GORK	41	F	0705.2	0705.7	3.8	6.7			
	9100	GORK	41	F	0705.2	0707.9		6.7			
	9100	GORK	2	S/F	0806.4	0806.6	0.4	20.0			
	204	IZMI	41	F	0806.9	0807.4	1.4	59.0			
	204	IZMI	41	F	0817.1	0817.7	2.9	71.0			
	600	GORK	1	S	0817.3	0818.0	2.3	4.0			
	900	GORK	2	S/F	0820.2	0821.7	2.8	8.0			
	245	LEAR	8	S	0821.0	0821.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0821.0	0821.0	1.0	120.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0821.4	0821.9	2.2	103.0			
	204	IZMI	42	SER	0831.8	0833.8	4.8	48.0			
	204	IZMI	42	SER	0901.6	0903.7	3.9	134.0			
	204	IZMI	42	SER	0934.9	0935.3	1.5	20.0			
	204	IZMI	7	C	0950.1	0950.3	0.3	59.0			
	410	LEAR	8	S	0953.0	0953.0	U	34.0			QL=4 ST=2 TYP=3
	9100	GORK	21	GRF	1051.0	1100.6	9.5D	27.0			
	900	GORK	46	C	1052.4	1055.0	7.8	40.0			
	900	GORK	46	C	1052.4	1056.1		32.0			
	4995	SVTO	4	S/F	1053.0	1054.0	8.0	180.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1053.0	1055.0	8.0	79.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1053.0	1054.0	2.0	240.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	1053.0	1054.0	7.0	270.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1053.0	1054.0	8.0	130.0			QL=4 ST=2 TYP=3
	3000	IZMI	45	C	1053.4	1055.0	6.5	122.0	62.0		
	9100	GORK	46	C	1053.7	1055.0		100.0			
	9100	GORK	46	C	1053.7	1056.5		35.0			
	9100	GORK	46	C	1053.7	1054.6	5.5	55.0			
	600	GORK	46	C	1053.9	1057.0	4.4	80.0			
	410	SVTO	8	S	1054.0	1055.0	1.0	85.0			QL=4 ST=2 TYP=3
	610	SVTO	4	S/F	1054.0	1055.0	4.0	160.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1054.0	1055.0	7.0	38.0			QL=4 ST=2 TYP=3
	33	UPIC	46	C	1054.0	1054.5	1.5				
	900	GORK	46	C	1103.6	1106.2	6.4	12.0			
	900	GORK	46	C	1103.6	1107.9		12.0			
	600	GORK	1	S	1105.0	1107.9	5.5	4.0			
	8800	SGMR	20	GRF	1304.0	1316.0	37.0	83.0			QL=4 ST=2 TYP=2
	9500	CUBA	21	GRF	1306.0	1331.0	173.0	29.0	14.0		
	2695	SVTO	20	GRF	1308.0	1316.0	9.0	61.0			QL=4 ST=2 TYP=2
	410	SVTO	48	C	1308.0	1316.0	16.0	180.0			QL=4 ST=2 TYP=8
	410	SGMR	48	C	1308.0	1315.0	33.0	180.0			QL=4 ST=2 TYP=8
	2695	SGMR	20	GRF	1308.0	1316.0	33.0	74.0			QL=4 ST=2 TYP=2
	6700	CUBA	21	GRF	1308.0E	1320.0	166.0D	42.0	21.0		14L
	4995	SVTO	20	GRF	1309.0	1316.0	8.0	48.0			QL=4 ST=2 TYP=2
	4995	SGMR	20	GRF	1309.0	1316.0	29.0	46.0			QL=4 ST=2 TYP=2
	6700	CUBA	4	S/F	1309.0	1316.2	8.4	30.0	15.0		40L
	9500	CUBA	2	S/F	1309.8	1310.2	1.4	14.0	7.0		
	15400	SVTO	8	S	1310.0	1311.0	1.0	26.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1311.0	1312.0	30.0	1500.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1311.0	1312.0	34.0	1400.0			QL=4 ST=3 TYP=6
	610	SGMR	4	S/F	1312.0	1314.0	29.0	310.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1313.0	1314.0	1.0	220.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	1313.0	1316.0	5.0	85.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1313.8	1315.0	3.2	11.0	5.0		
	8800	SVTO	8	S	1314.0	1314.0	1.0	22.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1314.0	1316.0	27.0	87.0			QL=4 ST=2 TYP=3
	15400	SGMR	20	GRF	1315.0	1329.0	26.0	31.0			QL=4 ST=2 TYP=2
	6700	CUBA	20	GRF	1647.0	1701.0	35.0	5.0	2.0		9L
	200	HIRA	8	S	2317.0	2318.0	2.0	30.0			WL
19	9100	GORK	8	S	0733.9	0734.1	0.4	50.0			
	900	GORK	2	S/F	0904.8	0905.0	0.5	7.0			
	600	GORK	4	S/F	0904.9	0905.1	0.7	80.0			
	900	GORK	42	SER	0924.9	0925.0	10.9	15.0			

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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
19	900	GORK	42	SER	0924.9	0935.6		15.0			
	600	GORK	42	SER	0933.4	0934.0	4.3	42.0			
	600	GORK	42	SER	0933.4	0937.1		8.0			
	600	GORK	42	SER	0933.4	0936.5		6.0			
	600	GORK	42	SER	1005.3	1008.1		12.0			
	600	GORK	42	SER	1005.3	1005.8	3.3	3.0			
	600	GORK	4	S/F	1100.7	1101.0	0.9	87.0			
	900	GORK	2	S/F	1101.1	1101.2	0.3	7.0			
	245	SGMR	4	S/F	1351.0	1353.0	3.0	99.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1353.0	1353.0	U	70.0			QL=4 ST=2 TYP=3
20	2840	PEKG	1	S	0113.0	0116.0	5.0	7.2			
	600	GORK	45	C	0604.6	0607.0	11.3	10.0			
	600	GORK	45	C	0604.6	0610.5		12.0			
	600	GORK	45	C	0604.6	0608.8		11.0			
	900	GORK	45	C	0606.0	0610.0		20.0			
	900	GORK	45	C	0606.0	0607.0	6.0	12.0			
	2840	PEKG	3	S	0606.0	0608.8	11.0	28.4			
	204	IZMI	42	SER	0659.2	0659.5	5.5	36.0			
	204	IZMI	42	SER	0754.5	0759.1	8.1	100.0			
	3000	IZMI	22	GRF	0933.7	0934.3	3.2	14.0	5.0		
	9100	GORK	46	C	1001.0	1001.6	0.8	46.0			
	3000	IZMI	20	GRF	1019.4	1042.4	100.6D	16.0			
	204	IZMI	41	F	1155.5	1155.6	2.8	18.0			
	6700	CUBA	20	GRF	1311.0E	1311.0	69.0D	12.0	6.0		9L
	245	SVTO	8	S	1348.0	1349.0	2.0	81.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1351.0	1351.0	U	270.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1351.0	1351.0	U	230.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1352.0	1352.0	U	47.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1550.0	1550.0	1.0	260.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1553.0	1553.0	1.0	55.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1652.0	1652.0	2.0	690.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1740.0	1740.0	2.0	930.0			QL=4 ST=3 TYP=6
	245	SGMR	8	S	1846.0	1846.0	U	270.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1920.0	1920.0	1.0	66.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2034.0	2034.0	1.0	91.0			QL=4 ST=2 TYP=3
21	204	IZMI	44	NS	0700.0E		300.0D		30.0		
	127	TORN	44	NS	1200.0E		150.0D		21.0		V=2
	245	SVTO	43	NS	1318.0	1334.0	105.0	120.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1436.0	1648.0	279.0	120.0			QL=4 ST=2 TYP=1
	2840	PEKG	1	S	0020.0	0022.5	5.0	6.3			
	245	LEAR	8	S	0049.0	0049.0	U	58.0			QL=4 ST=2 TYP=3
	2840	PEKG	45	C	0628.0	0630.9	6.0	85.4			
	1415	LEAR	8	S	0629.0	0630.0	2.0	59.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0629.0	0630.0	2.0	30.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0629.0	0630.0	2.0	260.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0629.0	0633.0	5.0	34.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0629.0	0630.0	2.0	76.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0630.0	0630.0	1.0	56.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0630.0	0630.0	1.0	60.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0630.0	0630.0	U	50.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0630.0	0630.0	1.0	58.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0630.0	0630.0	1.0	51.0			QL=2 ST=2 TYP=3
	9100	GORK	46	C	0630.0	0630.7	1.7	200.0			
	600	GORK	2	S/F	0847.8	0848.2	1.0	3.0			
	900	GORK	46	C	0851.1	0851.9	1.7	24.0			
	3000	IZMI	22	GRF	0920.1	0924.0	6.1	9.0	5.0		
	33	UPIC	45	C	1220.0	1220.5	1.0				
	245	SVTO	8	S	1311.0	1312.0	1.0	220.0			QL=2 ST=3 TYP=3
	245	SGMR	8	S	1325.0	1325.0	U	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1334.0	1334.0	1.0	97.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1342.5	1343.0	1.0				
	410	SGMR	8	S	1705.0	1705.0	1.0	73.0			QL=4 ST=3 TYP=3
	6700	CUBA	21	GRF	1820.0	1933.0	228.0	17.0	8.0		00L
	2800	PENT	1	S	1900.0	1902.0	4.0	4.0			
	2800	PENT	29	PBI	1913.0	1917.0	19.0U	30.0			
	9500	CUBA	21	GRF	1914.0	1928.0	89.0	12.0	6.0		
	8800	PALE	4	S/F	1916.0	1917.0	4.0	52.0			QL=4 ST=2 TYP=3

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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
21	4995	PALE	4	S/F	1916.0	1917.0	4.0	36.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	1917.0	1917.0	1.0	29.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1917.0	1917.0	3.0	32.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1917.0	1917.0	3.0	60.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1917.0	1917.0	3.0	53.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1917.0	1917.0	3.0	33.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1917.0	1917.5	1.5	47.0	23.0		
	6700	CUBA	2	S/F	1917.0	1917.5	1.8	40.0	20.0		1L
22	245	LEAR	43	NS	0012.0	0220.0	397.0	200.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0700.0E		300.0D		35.0		
	127	TORN	44	NS	0700.0E		490.0D		25.0		V=2
	245	LEAR	43	NS	0933.0	0947.0	23.0	130.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0952.0	1210.0	310.0	520.0			QL=2 ST=2 TYP=1
	410	SVTO	43	NS	0952.0	1126.0U	168.0	300.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1225.0	1916.0	480.0	330.0			QL=4 ST=2 TYP=1
	410	PALE	43	NS	1746.0	1811.0	101.0	130.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1746.0	2326.0	374.0	210.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1746.0	1812.0	374.0	110.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	2215.0	0102.0	700.0	300.0			QL=4 ST=2 TYP=1
	200	HIRA	47	GB	0123.0	0124.0	1.0	1250.0			WL
	500	HIRA	8	S	0123.0	0123.0	1.0	40.0			ML
	410	LEAR	8	S	0123.0	0123.0	U	300.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0123.0	0123.0	U	43.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0123.0	0123.0	U	1700.0			QL=4 ST=2 TYP=6
	2840	PEKG	45	C	0145.0	0147.3	7.0	24.2			
	200	HIRA	8	S	0151.0	0152.0	1.0	190.0			WL
	200	HIRA	47	GB	0220.0	0220.0	1.0	820.0			WL
	200	HIRA	8	S	0355.0	0355.0	1.0	70.0			0
	2950	GORK	45	C	0626.6	0627.5	2.9	5.5			
	2950	GORK	45	C	0626.6	0628.8		7.2			
	900	GORK	2	S/F	0627.0	0627.7	1.3	8.0			
	9100	GORK	2	S/F	0627.0	0627.8	3.5	6.8			
	200	HIRA	8	S	0648.0	0648.0	1.0	140.0			0
	245	SVTO	8	S	0648.0	0648.0	U	130.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0702.7	0703.5	1.5	150.0			
	410	LEAR	8	S	0704.0	0705.0	2.0	57.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0704.0	0705.0	1.0	61.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0705.0	0705.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0705.0	0705.0	U	68.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0715.0	0716.0	1.0	62.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0801.0	0801.0	U	85.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0803.0	0806.0	6.0	11.8			
	9100	GORK	46	C	0803.8	0806.1		20.0			
	9100	GORK	46	C	0803.8	0804.8	6.9	19.0			
	9100	GORK	46	C	0803.8	0806.8		19.0			
	600	GORK	41	F	0804.3	0806.5	4.0	18.0			
	3000	IZMI	41	F	0804.4	0806.3	2.6	17.0	5.0		
	2950	GORK	42	SER	0804.5	0806.3		10.0			
	2950	GORK	42	SER	0804.5	0807.5		5.9			
	2950	GORK	42	SER	0804.5	0804.8	3.3	5.0			
	1415	SVTO	4	S/F	0805.0	0806.0	3.0	84.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0806.0	0806.0	1.0	95.0			QL=4 ST=2 TYP=3
	900	GORK	42	SER	0806.0	0806.2	2.3	90.0			
	900	GORK	42	SER	0806.0	0808.2		18.0			
	900	GORK	42	SER	0806.0	0806.8		95.0			
	204	IZMI	42	SER	0827.3	0829.4	2.3	104.0			
	410	SVTO	8	S	0829.0	0829.0	U	79.0			QL=4 ST=2 TYP=3
	204	IZMI	45	C	0830.8	0830.9	0.2	264.0			
	245	LEAR	8	S	0831.0	0831.0	1.0	100.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	0831.7	0831.9	0.6	270.0			
	410	SVTO	8	S	0838.0	0838.0	1.0	260.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0841.0	0841.0	U	260.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0851.0	0851.0	U	120.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	0900.0	0900.3	1.0				
	245	LEAR	8	S	0929.0	0929.0	2.0	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0929.0	0929.0	2.0	100.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0930.0	0932.0	2.0	110.0			QL=4 ST=2 TYP=3
	2950	GORK	20	GRF	1042.5	1052.0	13.5	59.0			

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NOVEMBER 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	900	GORK	41	F	1043.0	1044.0	4.1	9.0			
	245	SVTO	49	GB	1043.0	1043.0	3.0	2200.0			QL=2 ST=3 TYP=6
	900	GORK	41	F	1043.0	1045.5		11.0			
	204	IZMI	46	C	1043.4	1043.7	1.2	656.0			
	600	GORK	41	F	1043.5	1044.0		11.0			
	600	GORK	41	F	1043.5	1046.0		10.0			
	600	GORK	41	F	1043.5	1043.6	2.7	12.0			
	204	IZMI	42	SER	1045.7	1045.8	0.5	334.0			
	204	IZMI	25	R	1155.0	1156.4	3.8	182.0			
	245	SGMR	49	GB	1239.0	1240.0	1.0	510.0			QL=4 ST=2 TYP=6
	2800	PENT	29	PBI	1614.0	1619.0	78.0U	315.0			
	610	SGMR	4	S/F	1619.0	1620.0	6.0	76.0			QL=4 ST=2 TYP=3
	2695	SGMR	49	GB	1619.0	1619.0	6.0	500.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	1619.0	1619.0	6.0	1600.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	1619.0	1622.0	6.0	12000.0			QL=4 ST=2 TYP=6
	15400	SGMR	4	S/F	1619.0	1619.0	6.0	310.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1619.0	1619.0	6.0	350.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1619.0	1619.0	3.0	150.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1619.0	1619.0	6.0	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1632.0	1632.0	1.0	100.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1808.0	1808.0	U	84.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1825.0	1825.0	U	680.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1939.0	1939.0	1.0	73.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2304.0	2305.0	1.0	440.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2310.0	2310.0	U	620.0			QL=4 ST=2 TYP=6
	200	HIRA	7	C	2326.0	2330.0	6.0	330.0			WL
23	245	SVTO	43	NS	0607.0	0729.0U	337.0	260.0			QL=2 ST=3 TYP=1
	204	IZMI	44	NS	0700.0E		300.0D		95.0		
	127	TORN	44	NS	0700.0E		490.0D		500.0		V=1
	245	SGMR	43	NS	1304.0	1443.0	354.0	270.0			QL=4 ST=2 TYP=1
	200	HIRA	8	S	0016.0	0018.0	2.0	360.0			0
	2840	PEKG	1	S	0229.0	0230.9	4.0	5.3			
	2840	PEKG	5	S	0238.0	0240.5	5.0	13.2			
	200	HIRA	8	S	0404.0	0405.0	1.0	400.0			0
	245	LEAR	49	GB	0404.0	0404.0	1.0	2000.0			QL=4 ST=2 TYP=6
	2840	PEKG	3	S	0533.0	0537.5	11.0	28.4			
	410	LEAR	4	S/F	0535.0	0539.0	6.0	270.0			QL=4 ST=2 TYP=3
	200	HIRA	4	S/F	0536.0	0537.0	4.0	40.0			WR
	500	HIRA	4	S/F	0536.0	0540.0	6.0	260.0			MR
	610	LEAR	4	S/F	0536.0	0538.0	5.0	310.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0536.0	0537.0	4.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0537.0	0538.0	1.0	210.0			QL=4 ST=2 TYP=3
	410	LEAR	48	C	0543.0	0547.0	6.0	82.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0613.0	0614.0	1.0	95.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0625.0	0625.0	U	21.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0626.0	0628.0	7.0	35.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	0712.0		37.0		170.0		
	204	IZMI	45	C	0735.1	0735.2	0.6	969.0			
	204	IZMI	25	R	0816.0		17.0		145.0		
	204	IZMI	7	C	0910.5	0910.7	0.5	152.0			
	204	IZMI	7	C	0913.1	0913.2	0.2	161.0			
	245	SVTO	8	S	1421.0	1421.0	U	81.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1422.0	1422.0	2.0	49.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1422.0	1422.0	2.0	51.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1422.0	1422.0	2.0	61.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1422.0	1422.0	2.0	250.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1422.0	1422.0	2.0	17.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1422.0	1422.0	2.0	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1422.0	1423.0	2.0	36.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1422.0	1422.0	2.0	58.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1422.0	1422.0	1.0	35.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1422.0	1422.0	1.0	34.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1422.0	1422.0	1.0	37.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1422.0	1422.0	1.0	150.0			QL=4 ST=2 TYP=3
	410	SGMR	49	GB	1442.0	1443.0	2.0	620.0			QL=4 ST=2 TYP=6
	610	SGMR	8	S	1442.0	1443.0	1.0	83.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1442.0	1443.0	1.0	8200.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	1443.0	1443.0	1.0	6900.0			QL=4 ST=3 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
23	410	SVTO	49	GB	1443.0	1443.0	1.0	750.0			QL=4 ST=3 TYP=6
	245	SVTO	8	S	1446.0	1447.0	1.0	150.0			QL=4 ST=3 TYP=3
	410	SGMR	8	S	1617.0	1617.0	U	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1617.0	1617.0	U	420.0			QL=4 ST=2 TYP=3
	2800	PENT	40	F	1641.0	1652.0	20.0	11.0			
	6700	CUBA	1	S	1651.9	1652.5	2.3	7.0	3.0		24L
	610	SGMR	8	S	1700.0	1700.0	2.0	34.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1700.0	1700.0	2.0	2700.0			QL=4 ST=2 TYP=6
	410	SGMR	8	S	1700.0	1700.0	2.0	96.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1748.0	1749.0	1.0	150.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1748.0	1749.0	2.0	110.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1749.0	1749.0	U	270.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1749.0	1749.0	1.0	280.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1806.0	1807.0	1.0	140.0			QL=4 ST=2 TYP=3
	6700	CUBA	42	SER	1806.0	1821.0	20.0	10.0	5.0		38L
	410	PALE	8	S	1807.0	1807.0	U	200.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1820.0	1821.0	1.0	88.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	2023.0	2050.0	101.0D	27.0	13.0		3L
	2800	PENT	29	PBI	2029.0	2038.0	63.0U	62.0			
	410	PALE	4	S/F	2034.0	2035.0	4.0	140.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2035.0	2037.0	3.0	230.0			QL=4 ST=2 TYP=3
	9500	CUBA	21	GRF	2035.0	2055.0	85.0D	24.0	12.0		
	6700	CUBA	45	C	2035.0	2038.2	8.4	217.0			17L
	4995	PALE	4	S/F	2036.0	2038.0	5.0	170.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2037.0	2038.0	3.0	180.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2037.0	2039.0	3.0	70.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2037.0	2038.0	3.0	120.0			QL=4 ST=2 TYP=3
	9500	CUBA	45	C	2037.0	2038.4	4.2	141.0			
	410	PALE	8	S	2055.0	2055.0	1.0	180.0			QL=4 ST=2 TYP=3
	200	HIRA	7	C	2232.0	2235.0	4.0	40.0			MR
	2800	PENT	1	S	2233.0	2237.0	7.0	8.0			
	500	HIRA	8	S	2234.0	2234.0	2.0	110.0			0
	410	PALE	8	S	2234.0	2234.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2234.0	2234.0	1.0	120.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2251.0	2252.0	1.0	80.0			0
	200	HIRA	8	S	2311.0	2311.0	1.0	60.0			0
	200	HIRA	48	C	2316.0	2319.0	7.0	460.0			0
	2800	HIRA	4	S/F	2317.0	2323.0	10.0	110.0			0
	410	LEAR	8	S	2318.0	2318.0	1.0	59.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	2318.0	2322.0	8.0	400.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	2318.0	2319.0	3.0	750.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	2318.0	2319.0	3.0	980.0			QL=4 ST=2 TYP=6
	2695	LEAR	4	S/F	2320.0	2323.0	4.0	85.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	2320.0	2320.0	2.0	30.0			QL=4 ST=2 TYP=3
	8800	LEAR	49	GB	2320.0	2321.0	5.0	660.0			QL=4 ST=2 TYP=6
	4995	PALE	4	S/F	2320.0	2322.0	5.0	420.0			QL=4 ST=2 TYP=3
	8800	PALE	49	GB	2320.0	2322.0	5.0	720.0			QL=4 ST=2 TYP=6
	2695	PALE	4	S/F	2320.0	2323.0	4.0	120.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	2321.0	2321.0	3.0	360.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2321.0	2322.0	3.0	470.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	2330.0	2334.3	11.0	23.2			
	4995	LEAR	4	S/F	2332.0	2334.0	4.0	56.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2333.0	2334.0	1.0	28.0			QL=4 ST=2 TYP=3
24	410	LEAR	43	NS	0059.0	0302.0	131.0	130.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	0214.0	0242.0	1306.0	110.0			QL=4 ST=1 TYP=1
	245	LEAR	43	NS	0236.0	0657.0	475.0	290.0			QL=4 ST=2 TYP=1
	410	LEAR	43	NS	0532.0	0541.0	299.0	84.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0600.0E		360.0D		180.0		
	245	SVTO	43	NS	0609.0	0927.0	532.0	570.0			QL=2 ST=2 TYP=1
	410	SVTO	43	NS	0609.0	0916.0	532.0	340.0			QL=2 ST=2 TYP=1
	127	TORN	44	NS	0700.0E		510.0D		100.0U		V=2,DISTURBED
	610	SVTO	43	NS	1031.0	1049.0	67.0	210.0			QL=2 ST=2 TYP=1
	410	SGMR	43	NS	1210.0	1627.0U	344.0	200.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1210.0	1403.0U	506.0	720.0			QL=4 ST=2 TYP=1
	410	PALE	43	NS	1707.0	1721.0	93.0	68.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1707.0	1719.0	413.0	210.0			QL=4 ST=1 TYP=1
	245	PALE	43	NS	1707.0	1712.0	413.0	150.0			QL=4 ST=1 TYP=1
	410	SGMR	43	NS	1934.0	2024.0U	62.0	120.0			QL=4 ST=2 TYP=1

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NOVEMBER 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	245	LEAR	43	NS	2154.0	0308.0	721.0	720.0			QL=4 ST=3 TYP=1
	410	LEAR	43	NS	2154.0	0028.0	721.0	410.0			QL=4 ST=3 TYP=1
	410	LEAR	8	S	0052.0	0052.0	1.0	74.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0109.0	0109.0	U	94.0			QL=4 ST=2 TYP=3
	2840	PEKG	3	S	0210.0	0216.9	13.0	41.1			
	2695	LEAR	4	S/F	0215.0	0216.0	3.0	30.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0215.0	0216.0	3.0	53.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0216.0	0216.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0231.0	0232.0	3.0	89.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0303.0	0303.0	1.0	100.0			0
	200	HIRA	42	SER	0303.0	0326.0	44.0	130.0			ML
	2840	PEKG	3	S	0352.0	0356.5	10.0	39.9			
	4995	LEAR	8	S	0355.0	0356.0	2.0	54.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0355.0	0356.0	1.0	28.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0356.0	0356.0	U	24.0			QL=4 ST=2 TYP=3
	2840	PEKG	47	GB	0457.0	0459.3	20.0	1147.4			
	410	LEAR	48	C	0458.0	0459.0	8.0	5100.0			QL=4 ST=2 TYP=8
	2695	LEAR	48	C	0458.0	0459.0	9.0	2200.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0458.0	0501.0	8.0	7200.0			QL=4 ST=2 TYP=8
	1415	LEAR	48	C	0458.0	0459.0	9.0	9200.0			QL=4 ST=2 TYP=8
	15400	LEAR	48	C	0458.0	0500.0	18.0	5500.0			QL=4 ST=2 TYP=8
	4995	LEAR	48	C	0458.0	0501.0	14.0	1300.0			QL=4 ST=2 TYP=8
	610	LEAR	48	C	0458.0	0501.0	12.0	1500.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0458.0	0500.0	22.0	3500.0			QL=4 ST=2 TYP=8
	2800	HIRA	47	GB	0459.0	0459.0	11.0	1730.0			0
	500	HIRA	47	GB	0459.0	0459.0	16.0	2620.0			WL
	200	HIRA	47	GB	0459.0	0459.0	15.0	2880.0			0
	900	GORK	4	S/F	0623.2	0624.9	2.1	90.0U			
	2840	PEKG	5	S	0643.0	0645.6	5.0	15.9			
	2950	GORK	41	F	0715.0	0738.0		55.0			
	2950	GORK	41	F	0715.0	0724.2		9.7			
	2950	GORK	41	F	0715.0	0721.6	25.6	6.2			
	600	GORK	41	F	0715.7	0744.2		19.0			
	600	GORK	41	F	0715.7	0741.2		30.0			
	600	GORK	41	F	0715.7	0737.8	46.7	3.6			
	2840	PEKG	5	S	0719.0	0724.3	7.0	8.6			
	3000	IZMI	22	GRF	0719.9	0724.2	5.6	20.0	8.0		
	204	IZMI	45	C	0723.9	0724.2	0.4	405.0			
	3000	IZMI	20	GRF	0733.7	0734.6	1.9	12.0	5.0		
	2840	PEKG	5	S	0736.0	0737.8	5.0	44.1			
	15400	LEAR	8	S	0737.0	0738.0	1.0	26.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0737.0	0738.0	1.0	79.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0737.0	0738.0	1.0	83.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0737.0	0738.0	1.0	43.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0737.0	0738.0	1.0	43.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0737.0	0738.0	2.0	110.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0737.0	0737.0	2.0	100.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0737.0	0737.0	1.0	34.0			QL=4 ST=2 TYP=3
	3000	IZMI	22	GRF	0737.1	0738.1	3.4	66.0	17.0		
	600	GORK	41	F	0849.4	0850.3		6.3			
	600	GORK	41	F	0849.4	0849.9	1.3	13.0			
	2950	GORK	41	F	0849.7	0850.3		2.6			
	2950	GORK	41	F	0849.7	0849.9	0.9	2.6			
	204	IZMI	25	R	0901.0		80.0U		280.0		
	204	IZMI	41	F	0904.8	0905.1	0.7	1226.0			
	410	LEAR	48	C	0915.0	0915.0	15.0	270.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0915.0	0927.0	15.0	570.0			QL=4 ST=2 TYP=8
	900	GORK	41	F	0934.0	1007.7		48.0			
	900	GORK	41	F	0934.0	0953.7		9.4			
	900	GORK	41	F	0934.0	0934.8	71.0	200.0U			
	600	GORK	41	F	0956.4	1018.7		7.3			
	600	GORK	41	F	0956.4	0956.9	58.7	10.0			
	2950	GORK	1	S	0957.8	0959.0	1.8	3.5			
	610	SVTO	8	S	1137.0	1138.0	2.0	50.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1138.0	1138.0	1.0	600.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	1138.0	1138.0	1.0	250.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1138.2	1138.4	0.6	1144.0	9.0		
	6700	CUBA	28	PRE	1448.0	1453.5	5.5	12.0	6.0		28L
	4995	SGMR	48	C	1453.0	1508.0	76.0	2700.0			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

NOVEMBER 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	410	SGMR	48	C	1453.0	1509.0	79.0	6200.0			QL=2 ST=2 TYP=8
	245	SGMR	48	C	1453.0	1507.0	79.0	3800.0			QL=2 ST=2 TYP=8
	9500	CUBA	47	GB	1453.4	1509.2	22.6	3252.0	1626.0		
	6700	CUBA	47	GB	1453.5	1509.2	22.5	3724.0	1862.0		12L
	1415	SGMR	48	C	1454.0	1508.0	31.0	3600.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1454.0	1509.0	78.0	7300.0			QL=4 ST=2 TYP=8
	610	SGMR	48	C	1454.0	1508.0	78.0	35000.0			QL=4 ST=2 TYP=8
	2695	SGMR	48	C	1455.0	1508.0	77.0	1400.0			QL=4 ST=2 TYP=8
	410	SVTO	49	GB	1456.0	1457.0	1.0	1100.0			QL=4 ST=3 TYP=6
	245	SVTO	49	GB	1456.0	1501.0	5.0	690.0			QL=4 ST=3 TYP=6
	15400	SGMR	48	C	1500.0	1508.0	72.0	14000.0			QL=4 ST=2 TYP=8
	6700	CUBA	29	PBI	1516.0		49.0	457.0	228.0		00L
	9500	CUBA	29	PBI	1516.0		51.0	364.0	182.0		
	6700	CUBA	47	GB	2143.8	2153.0	21.2	610.0	305.0		5L
	610	PALE	4	S/F	2144.0	2148.0	46.0	340.0			QL=4 ST=2 TYP=3
	9500	CUBA	47	GB	2145.0	2153.0	20.0D	797.0	398.0		
	8800	PALE	49	GB	2146.0	2153.0	44.0	610.0			QL=4 ST=2 TYP=6
	4995	PALE	48	C	2148.0	2153.0	30.0	280.0			QL=4 ST=2 TYP=8
	1415	PALE	4	S/F	2152.0	2153.0	3.0	82.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2152.0	2153.0	3.0	110.0			QL=4 ST=2 TYP=3
	15400	PALE	49	GB	2152.0	2153.0	34.0	560.0			QL=4 ST=2 TYP=6
	245	PALE	48	C	2154.0	2206.0	36.0	1100.0			QL=4 ST=2 TYP=8
	2695	LEAR	8	S	2154.0E	2154.0U	U	35.0			QL=4 ST=2 TYP=3
	4995	LEAR	48	C	2154.0E	2208.0U	29.0D	710.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	2154.0E	2209.0U	37.0D	390.0			QL=4 ST=2 TYP=8
	15400	LEAR	48	C	2157.0E	2209.0U	36.0D	540.0			QL=4 ST=2 TYP=8
	1415	LEAR	8	S	2200.0E	2200.0U	U	190.0			QL=4 ST=2 TYP=3
	245	LEAR	48	C	2201.0E	2208.0U	22.0D	720.0			QL=4 ST=2 TYP=8
	610	LEAR	4	S/F	2205.0E	2209.0U	4.0D	180.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	2205.0E	2205.0U	13.0D	490.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2239.0	2239.0	1.0	34.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	2239.0	2239.0	1.0	59.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	2239.0	2239.0	U	25.0			QL=4 ST=2 TYP=3
25	245	SVTO	43	NS	0657.0	0849.0	484.0	710.0			QL=2 ST=3 TYP=1
	204	IZMI	44	NS	0700.0E		130.0D		160.0		
	127	TORN	44	NS	0700.0E		490.0D				V=1
	410	SVTO	43	NS	0754.0	0946.0	137.0	77.0			QL=2 ST=2 TYP=1
	245	SVTO	43	NS	0757.0	0849.0	424.0	710.0			QL=2 ST=2 TYP=1
	204	IZMI	44	NS	0951.0E		69.0D		92.0		
	245	SGMR	43	NS	1213.0	1656.0	496.0	1300.0			QL=4 ST=2 TYP=1
	410	SGMR	43	NS	1419.0	1520.0	370.0	260.0			QL=4 ST=2 TYP=1
	410	SVTO	43	NS	1422.0	1429.0	39.0	120.0			QL=2 ST=2 TYP=1
	410	PALE	43	NS	1708.0	1719.0	231.0	220.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1708.0	1718.0	325.0	190.0			QL=4 ST=2 TYP=1
	610	SGMR	43	NS	1731.0	1745.0	137.0	71.0			QL=4 ST=2 TYP=1
	245	PALE	49	GB	0004.0	0004.0	U	530.0			QL=4 ST=2 TYP=6
	2840	PEKG	47	GB	0054.0	0131.6U	125.0	11290.7			
	1415	LEAR	48	C	0055.0	0142.0	110.0	8000.0			QL=4 ST=2 TYP=8
	245	PALE	49	GB	0055.0	0056.0	130.0	700.0			QL=4 ST=2 TYP=6
	2800	HIRA	47	GB	0057.0	0131.0	110.0	11340.0			SL
	2695	LEAR	48	C	0058.0	0131.0	105.0	11000.0			QL=4 ST=2 TYP=8
	4995	LEAR	48	C	0058.0	0122.0	111.0	5000.0			QL=4 ST=2 TYP=8
	2695	PALE	48	C	0058.0	0131.0	127.0	13000.0			QL=4 ST=2 TYP=8
	500	HIRA	47	GB	0059.0	0146.0	82.0	840.0			0
	1415	PALE	48	C	0059.0	0143.0	109.0	7800.0			QL=4 ST=2 TYP=8
	8800	LEAR	48	C	0100.0	0122.0	95.0	2800.0			QL=4 ST=2 TYP=8
	4995	PALE	48	C	0100.0	0122.0	101.0	4700.0			QL=4 ST=2 TYP=8
	15400	LEAR	48	C	0102.0	0122.0	89.0	1700.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	0103.0	0145.0	96.0	2000.0			QL=4 ST=2 TYP=8
	15400	PALE	48	C	0104.0	0122.0	57.0	1700.0			QL=4 ST=2 TYP=8
	8800	PALE	48	C	0104.0	0122.0	60.0	2800.0			QL=4 ST=2 TYP=8
	610	LEAR	48	C	0104.0	0145.0	87.0	1300.0			QL=4 ST=2 TYP=8
	245	LEAR	48	C	0107.0	0108.0	78.0	880.0			QL=4 ST=2 TYP=8
	200	HIRA	7	C	0108.0	0114.0	22.0	360.0			SR
	410	PALE	48	C	0113.0	0113.0	12.0	540.0			QL=4 ST=2 TYP=8
	410	LEAR	48	C	0113.0	0146.0	70.0	650.0			QL=4 ST=2 TYP=8
	200	HIRA	8	S	0212.0	0212.0	1.0	460.0			MR
	200	HIRA	7	C	0353.0	0356.0	4.0	220.0			0

S O L A R R A D I O E M I S S I O N
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NOVEMBER 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	245	LEAR	8	S	0353.0	0354.0	2.0	270.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0353.0	0354.0	1.0	70.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0452.0	0452.0	1.0	180.0			MR
	2950	GORK	22	GRF	0554.0E	0557.5	11.0D	6.3			
	600	GORK	45	C	0555.0	0557.0U	2.8	4.0			
	900	GORK	4	S/F	0556.2	0557.7	2.1	41.0			
	410	SVTO	8	S	0734.0	0734.0	U	53.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0824.7	0824.8	0.4	1014.0			
	600	GORK	46	C	0904.9	0911.8	15.5	200.0			
	2950	GORK	45	C	0905.9	0918.2		100.0			
	2950	GORK	45	C	0905.9	0912.9	14.4	120.0			
	3000	IZMI	46	C	0906.1	0918.3	39.7	141.0	33.0		
	9100	GORK	46	C	0907.7	0918.4		160.0			
	9100	GORK	46	C	0907.7	0912.7	12.7	230.0			
	4995	SVTO	48	C	0908.0	0912.0	36.0	230.0			QL=4 ST=2 TYP=8
	204	IZMI	46	C	0908.9	0925.4	42.0	699.0			
	610	SVTO	4	S/F	0909.0	0911.0	4.0	170.0			QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0909.0	0911.0	18.0	220.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0909.0	0912.0	14.0	220.0			QL=4 ST=2 TYP=3
	2695	SVTO	20	GRF	0909.0	0918.0	13.0	100.0			QL=4 ST=2 TYP=2
	8800	SVTO	48	C	0909.0	0912.0	35.0	230.0			QL=4 ST=2 TYP=8
	900	GORK	46	C	0909.0	0911.9	12.8	230.0			
	8800	LEAR	4	S/F	0910.0	0912.0	11.0	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	48	C	0910.0	0918.0	10.0	100.0			QL=4 ST=2 TYP=8
	1415	SVTO	48	C	0910.0	0918.0	10.0	500.0			QL=4 ST=2 TYP=8
	15400	SVTO	20	GRF	0910.0	0918.0	34.0	110.0			QL=4 ST=2 TYP=2
	410	SVTO	20	GRF	0910.0	0922.0	32.0	320.0			QL=4 ST=2 TYP=2
	15400	LEAR	8	S	0911.0	0912.0	2.0	55.0			QL=4 ST=2 TYP=3
	245	SVTO	48	C	0912.0	0920.0	31.0	960.0			QL=4 ST=2 TYP=8
	245	LEAR	49	GB	0915.0	0920.0	20.0	890.0			QL=4 ST=2 TYP=6
	1415	LEAR	8	S	0917.0	0918.0	2.0	480.0			QL=4 ST=2 TYP=3
	410	LEAR	20	GRF	0918.0	0922.0	22.0	230.0			QL=4 ST=2 TYP=2
	2950	GORK	29	PBI	0920.3	0920.3	42.7	7.5			
	9100	GORK	30	PBI	0920.4	0920.4	89.0	90.0			
	600	GORK	4	S/F	1006.0	1006.7	1.3	13.0			
	9100	GORK	41	F	1009.7	1011.1		110.0			
	9100	GORK	41	F	1009.7	1009.9	1.6	70.0			
	127	TORN	42	SER	1226.0	1237.5	11.5	79000.0	970.0		
	410	SGMR	8	S	1311.0	1311.0	U	52.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1418.2	1418.8	2.5	21.0	10.0		22L
	6700	CUBA	22	GRF	1516.0	1550.0	42.0	23.0	11.0		11L
	9500	CUBA	22	GRF	1526.0	1549.0	32.0	24.0	12.0		
	2800	PENT	41	F	1709.0	1714.0	23.0U	16.0			
	6700	CUBA	21	GRF	1713.0	1731.0	38.0	17.0	8.0		10L
	6700	CUBA	2	S/F	1714.0	1714.4	3.8	12.0	6.0		27L
	6700	CUBA	2	S/F	1727.2	1728.2	2.6	22.0	11.0		41L
	2800	PENT	47	GB	1829.0	1838.0	63.0U	710.0			
	15400	PALE	49	GB	1833.0	1838.0	8.0	5400.0			QL=4 ST=3 TYP=6
	8800	PALE	49	GB	1833.0	1838.0	8.0	3000.0			QL=4 ST=3 TYP=6
	1415	PALE	49	GB	1833.0	1838.0	8.0	650.0			QL=4 ST=3 TYP=6
	245	PALE	49	GB	1833.0	1838.0	8.0	1800.0			QL=4 ST=3 TYP=6
	245	SGMR	49	GB	1833.0	1838.0	8.0	17000.0			QL=4 ST=2 TYP=6
	4995	PALE	49	GB	1833.0	1842.0	10.0	2000.0			QL=4 ST=3 TYP=6
	610	PALE	49	GB	1834.0	1838.0	7.0	1600.0			QL=4 ST=3 TYP=6
	2695	PALE	49	GB	1834.0	1838.0	7.0	750.0			QL=4 ST=3 TYP=6
	410	PALE	49	GB	1835.0	1838.0	6.0	17000.0			QL=4 ST=3 TYP=6
	4995	SGMR	49	GB	1835.0	1842.0	32.0	1800.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	1835.0	1838.0	32.0	15000.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1835.0	1838.0	32.0	3800.0			QL=4 ST=2 TYP=6
	6700	CUBA	47	GB	1835.2	1839.2	20.8	3793.0	1896.0		12L
	9500	CUBA	47	GB	1835.4	1839.2	14.8	2676.0	1338.0		
	1415	SGMR	48	C	1836.0	1903.0	28.0	1200.0			QL=4 ST=2 TYP=8
	15400	SGMR	49	GB	1836.0	1838.0	31.0	4600.0			QL=4 ST=2 TYP=6
	610	SGMR	49	GB	1836.0	1838.0	31.0	1800.0			QL=4 ST=2 TYP=6
	2695	SGMR	48	C	1836.0	1904.0	31.0	1100.0			QL=4 ST=2 TYP=8
	9500	CUBA	30	PBI	1850.2		83.8	307.0	153.0		
	6700	CUBA	30	PBI	1856.0		98.5	87.0	43.0		5L
	610	PALE	49	GB	1902.0	1904.0	2.0	660.0			QL=4 ST=2 TYP=6
	1415	PALE	49	GB	1902.0	1903.0	2.0	1300.0			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

NOVEMBER 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	245	PALE	49	GB	1902.0	1902.0	3.0	1000.0			QL=4 ST=2 TYP=6
	410	PALE	49	GB	1902.0	1903.0	2.0	2900.0			QL=4 ST=2 TYP=6
	2695	PALE	49	GB	1903.0	1904.0	1.0	1200.0			QL=4 ST=2 TYP=6
	1415	SGMR	48	C	1927.0	1939.0	20.0	10000.0			QL=4 ST=2 TYP=8
	1415	PALE	8	S	1928.0	1930.0	2.0	250.0			QL=4 ST=2 TYP=3
	610	PALE	49	GB	1932.0	1932.0	1.0	1600.0			QL=4 ST=2 TYP=6
	610	SGMR	48	C	1932.0	1941.0	15.0	9600.0			QL=4 ST=2 TYP=8
	410	SGMR	49	GB	1932.0	1941.0	15.0	8600.0			QL=4 ST=2 TYP=6
	1415	PALE	48	C	1935.0	1939.0	10.0	9900.0			QL=4 ST=2 TYP=8
	610	PALE	48	C	1936.0	1941.0	11.0	10000.0			QL=4 ST=2 TYP=8
	2695	PALE	49	GB	1937.0	1941.0	7.0	2300.0			QL=4 ST=2 TYP=6
	2695	SGMR	49	GB	1937.0	1941.0	10.0	1900.0			QL=4 ST=2 TYP=6
	4995	PALE	4	S/F	1938.0	1941.0	7.0	410.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	1938.0	1941.0	7.0	9600.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	1938.0	1939.0	6.0	1300.0			QL=4 ST=2 TYP=6
	4995	SGMR	4	S/F	1938.0	1941.0	9.0	380.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1938.0	1939.0	4.0	1300.0			QL=4 ST=2 TYP=6
	8800	SGMR	4	S/F	1938.0	1941.0	9.0	230.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	1939.0	1941.0	4.0	99.0			QL=4 ST=2 TYP=3
	6700	CUBA	46	C	1939.0D	1941.1	6.8D	251.0	125.0		16L
	9500	CUBA	46	C	1939.0E	1941.2	6.0D	318.0	159.0		
	8800	PALE	8	S	1942.0	1942.0	1.0	140.0			QL=4 ST=2 TYP=3
	2800	PENT	1	S	1956.0	1957.0	3.0	20.0			
26	245	LEAR	43	NS	0113.0	0146.0	57.0	180.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	0135.0	0153.0	21.0	110.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0600.0E		300.0D		15.0		
	127	TORN	44	NS	0700.0E		490.0D		100.0		V=1
	410	PALE	43	NS	1708.0	1715.0	45.0	260.0			QL=4 ST=2 TYP=1
	610	PALE	43	NS	1708.0	1728.0	44.0	320.0			QL=4 ST=2 TYP=1
	245	PALE	43	NS	1708.0	1721.0	62.0	64.0			QL=4 ST=2 TYP=1
	610	SGMR	43	NS	1721.0	1729.0	62.0	340.0			QL=4 ST=2 TYP=1
	245	SGMR	43	NS	1721.0	1726.0	62.0	51.0			QL=4 ST=2 TYP=1
	410	SGMR	43	NS	1721.0	1737.0	62.0	88.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0111.0	0111.0	2.0	57.0			QL=4 ST=2 TYP=3
	2840	PEKG	45	C	0246.0	0304.3	28.0	75.2			
	2800	HIRA	3	S	0247.0	0254.0	10.0	50.0			0
	245	LEAR	8	S	0249.0	0249.0	1.0	300.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0250.0	0250.0	U	350.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0251.0	0253.0	6.0	40.0			0
	8800	LEAR	4	S/F	0252.0	0254.0	7.0	51.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0252.0	0254.0	4.0	54.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0252.0	0252.0	1.0	34.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0252.0	0252.0	1.0	85.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0252.0	0253.0	4.0	41.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	0252.0	0253.0	4.0	20.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	0252.0	0254.0	3.0	13.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	0252.0	0252.0	4.0	78.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0252.0	0254.0	4.0	55.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0253.0	0253.0	1.0	37.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0254.0	0255.0	2.0	880.0			QL=4 ST=2 TYP=6
	200	HIRA	8	S	0255.0	0258.0	3.0	70.0			0
	245	PALE	49	GB	0255.0	0255.0	U	1100.0			QL=4 ST=2 TYP=6
	200	HIRA	4	S/F	0258.0	0301.0	9.0	70.0			0
	410	LEAR	4	S/F	0259.0	0302.0	3.0	42.0			QL=4 ST=2 TYP=3
	500	HIRA	4	S/F	0300.0	0307.0	14.0	30.0			0
	245	LEAR	8	S	0301.0	0301.0	U	68.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0301.0	0301.0	1.0	120.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0301.0	0302.0	6.0	61.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0302.0	0304.0	7.0	100.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0302.0	0304.0	3.0	57.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0302.0	0304.0	5.0	87.0			QL=4 ST=2 TYP=3
	2800	HIRA	3	S	0303.0	0304.0	5.0	50.0			0
	2695	LEAR	8	S	0303.0	0304.0	2.0	60.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0303.0	0304.0	9.0	99.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0304.0	0304.0	U	34.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0304.0	0304.0	U	31.0			QL=4 ST=2 TYP=3
	200	HIRA	7	C	0442.0	0445.0	3.0	40.0			0
	245	LEAR	8	S	0442.0	0442.0	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
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NOVEMBER 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
26	500	HIRA	8	S	0445.0	0445.0	1.0	30.0			0
	245	LEAR	8	S	0445.0	0445.0	U	200.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0448.0	0449.0	1.0	180.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0612.0	0612.0	1.0	140.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0612.0E	0612.0U	3.0D	110.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0613.0	0613.0	1.0	70.0			0
	410	LEAR	4	S/F	0625.0	0625.0	3.0	290.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0625.0	0625.0	1.0	190.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0626.0	0626.0	1.0	30.0			0
	410	SVTO	8	S	0627.0	0628.0	1.0	130.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0631.0	0631.0	1.0	55.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0631.0	0634.0	6.0	27.0			QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0631.0	0633.0	3.0	71.0			QL=4 ST=2 TYP=3
	600	GORK	22	GRF	0648.6	0652.8	11.4	10.0			
	2950	GORK	23	GRF	0651.0	0656.3	7.0	4.8			
	2950	GORK	1	S	0652.6	0653.2	1.0	4.8			
	410	SVTO	8	S	0729.0	0729.0	U	77.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0738.0	0739.0	2.0	100.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0753.0	0753.0	1.0	160.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	1023.0		97.0D		35.0		
	245	SVTO	8	S	1120.0	1120.0	U	92.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1138.0	1138.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1348.0	1348.0	U	98.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1456.0	1456.0	1.0	160.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	1523.0	1656.0	294.0	201.0	100.0		10L
	245	SGMR	8	S	1539.0	1540.0	1.0	65.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1612.0	1612.0	1.0	55.0			QL=4 ST=2 TYP=3
	2800	PENT	47	GB	1630.0	1639.0	33.0	701.0			
	6700	CUBA	47	GB	1635.3	1644.0	20.2	4978.0	2489.0		8L
	4995	SGMR	48	C	1636.0	1643.0	45.0	1900.0			QL=4 ST=2 TYP=8
	610	SGMR	48	C	1637.0	1639.0	44.0	2700.0			QL=4 ST=2 TYP=8
	15400	SGMR	49	GB	1637.0	1643.0	41.0	3900.0			QL=4 ST=2 TYP=6
	245	SGMR	48	C	1637.0	1647.0	44.0	3200.0			QL=4 ST=2 TYP=8
	8800	SGMR	48	C	1637.0	1643.0	44.0	4500.0			QL=4 ST=2 TYP=8
	2695	SGMR	49	GB	1637.0	1639.0	44.0	700.0			QL=4 ST=2 TYP=6
	1415	SGMR	49	GB	1637.0	1639.0	44.0	1100.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	1637.0	1643.0	44.0	6300.0			QL=4 ST=2 TYP=6
	9500	CUBA	47	GB	1637.0	1643.8	11.3	2969.0	1484.0		
	9500	CUBA	29	PBI	1648.3		91.7	815.0	407.0		
	2800	PENT	3	S	1709.0	1716.0	12.0	21.0			
	9500	CUBA	1	S	1742.0	1743.2	2.8	23.0	11.0		
	245	PALE	49	GB	2032.0	2033.0	1.0	1000.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	2032.0	2032.0	1.0	500.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2322.0	2323.0	3.0	100.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	2323.0	2323.0	1.0	220.0			0
27	127	TORN	44	NS	0700.0E		500.0D		230.0		V=1,DISTURBED
	204	IZMI	43	NS	0844.0		196.0D		25.0		
	410	PALE	43	NS	1742.0	1818.0	55.0	110.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	2356.0	0041.0	519.0	130.0			QL=4 ST=2 TYP=1
	127	TORN	4	S/F	0655.1	0656.3	1.7	4200.0	850.0		
	245	SVTO	8	S	0828.0	0828.0	1.0	180.0			QL=4 ST=2 TYP=3
	204	IZMI	42	SER	1101.9	1103.0	3.0	528.0			
	245	SGMR	8	S	1614.0	1614.0	U	62.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1642.0	1643.0	1.0	52.0			QL=4 ST=2 TYP=3
	245	SGMR	48	C	1650.0	1653.0	5.0	66.0			QL=4 ST=2 TYP=8
	245	PALE	8	S	1733.0	1733.0	U	150.0			QL=4 ST=2 TYP=3
	6700	CUBA	1	S	1742.0	1743.0	2.8	8.0	4.0		19L
	15400	SGMR	8	S	1742.0	1743.0	2.0	64.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	1743.0	1743.0	U	70.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1818.0	1818.0	U	120.0			QL=4 ST=2 TYP=3
	2800	PENT	29	PBI	2036.0	2047.0	56.0U	14.0			
	200	HIRA	8	S	2331.0	2331.0	1.0	290.0			ML
	200	HIRA	4	S/F	2341.0	2352.0	16.0	190.0			SR
	245	LEAR	8	S	2348.0	2348.0	U	100.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2348.0	2348.0	U	130.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	2349.0	2352.0	6.0	10.6			
	245	LEAR	8	S	2351.0	2351.0	1.0	430.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2351.0	2352.0	1.0	180.0			QL=4 ST=2 TYP=3

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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
27	245	PALE	49	GB	2351.0	2351.0	1.0	640.0			QL=4 ST=3 TYP=6
	500	HIRA	8	S	2352.0	2352.0	1.0	50.0			WL
	410	PALE	8	S	2352.0	2352.0	U	110.0			QL=4 ST=3 TYP=3
	245	LEAR	4	S/F	2353.0	2354.0	8.0	82.0			QL=4 ST=3 TYP=3
28	204	IZMI	44	NS	0700.0E		300.0D		27.0		
	127	TORN	44	NS	0700.0E		490.0D		30.0		V=1
	245	SGMR	43	NS	1218.0	1226.0U	20.0	83.0			QL=4 ST=2 TYP=1
	200	HIRA	7	C	0153.0	0155.0	4.0	80.0			WR
	410	LEAR	8	S	0154.0	0155.0	1.0	150.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0245.0	0246.0	1.0	60.0			0
	2840	PEKG	1	S	0458.0	0500.4	5.0	5.8			
	2840	PEKG	1	S	0532.0	0535.2	5.0	7.0			
	9100	GORK	42	SER	0633.3E	0635.1		12.0			
	9100	GORK	42	SER	0633.3E	0637.3		14.0			
	9100	GORK	42	SER	0633.3E	0633.9	4.5D	12.0			
	600	GORK	42	SER	0634.7	0637.0		14.0			
	600	GORK	42	SER	0634.7	0634.8	2.6	4.0			
	9100	GORK	8	S	0644.6	0644.7	0.3	30.0			
	600	GORK	2	S/F	0644.8	0645.0	0.4	4.0			
	15400	SVTO	4	S/F	0655.0	0700.0	6.0	74.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	0818.1	0818.2	0.2	125.0			
	204	IZMI	41	F	0919.6	0919.7	0.3	56.0			
	204	IZMI	41	F	1033.1	1033.3	0.3	162.0			
	204	IZMI	7	C	1123.7	1123.8	0.6	149.0			
	127	TORN	42	SER	1229.8	1232.6	18.0	130.0	80.0		
29	245	LEAR	43	NS	0243.0	0428.0	137.0	87.0			QL=4 ST=2 TYP=1
	410	LEAR	43	NS	0405.0	0405.0	33.0	97.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0632.0	0655.0	77.0	200.0			QL=2 ST=2 TYP=1
	245	LEAR	43	NS	0641.0	0654.0	233.0	190.0			QL=4 ST=2 TYP=1
	204	IZMI	44	NS	0700.0E		300.0D		20.0		
	127	TORN	44	NS	0700.0E		490.0D		24.0		V=1,DISTURBED
	410	LEAR	8	S	0137.0	0137.0	1.0	56.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0236.0	0238.0	3.0	57.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0355.0	0357.0	2.0	52.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0428.0	0429.0	1.0	240.0			0
	2840	PEKG	45	C	0620.0	0624.7	8.0	12.6			
	2950	GORK	45	C	0621.0	0626.3		16.5			
	2950	GORK	45	C	0621.0	0621.5	7.2	8.7			
	2950	GORK	45	C	0621.0	0624.5		25.0			
	600	GORK	46	C	0621.1	0637.3		7.0			
	600	GORK	46	C	0621.1	0625.4		13.0			
	600	GORK	46	C	0621.1	0628.5		13.0			
	600	GORK	46	C	0621.1	0622.5	16.7	24.0			
	600	GORK	46	C	0621.1	0630.7		9.0			
	900	GORK	46	C	0621.2	0626.3		75.0			
	900	GORK	46	C	0621.2	0621.4	8.2	47.0			
	900	GORK	46	C	0621.2	0622.4		129.0			
	900	GORK	46	C	0621.2	0623.8		138.0			
	245	LEAR	8	S	0623.0	0624.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0623.0	0624.0	1.0	120.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0623.0	0623.0	4.0	76.0			QL=4 ST=2 TYP=3
	9100	GORK	4	S/F	0623.2	0624.2	1.8	50.0			
	200	HIRA	8	S	0624.0	0624.0	1.0	80.0			0
	245	LEAR	48	C	0633.0	0635.0	2.0	130.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0635.0	0635.0	U	100.0			QL=4 ST=3 TYP=3
	245	LEAR	8	S	0637.0	0637.0	U	100.0			QL=4 ST=2 TYP=3
	204	IZMI	25	R	0700.0E		34.0D		45.0		
	600	GORK	8	S	0747.9	0748.0	0.2	9.0			
	204	IZMI	42	SER	0810.3	0810.9	0.9	60.0			
	3000	IZMI	22	GRF	0811.1	0833.7	31.3	10.0	5.0		
	245	SVTO	8	S	0837.0	0837.0	2.0	140.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0841.0	0842.0	2.0	1500.0			QL=4 ST=2 TYP=6
	245	SVTO	8	S	0845.0	0847.0	2.0	68.0			QL=4 ST=3 TYP=3
	410	SVTO	8	S	0845.0	0846.0	1.0	170.0			QL=4 ST=3 TYP=3
	204	IZMI	42	SER	0850.4	0851.5	1.7	68.0			
	245	SVTO	4	S/F	0853.0	0854.0	7.0	88.0			QL=4 ST=3 TYP=3
	610	SVTO	8	S	0856.0	0856.0	U	42.0			QL=4 ST=3 TYP=3

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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	204	IZMI	42	SER	0943.3	0943.6	1.2	113.0			
	2695	LEAR	8	S	0952.0	0952.0	U	78.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0955.0	0956.0	1.0	48.0			QL=4 ST=2 TYP=3
	2950	GORK	45	C	0957.0	0958.1	2.7	7.1			
	9100	GORK	4	S/F	0957.2	0957.8	1.3	18.5			
	600	GORK	1	S	0957.7	0958.0	0.6	2.0			
	204	IZMI	45	C	1009.0	1009.1	0.3	277.0			
	204	IZMI	41	F	1014.2	1014.4	0.3	100.0			
	204	IZMI	42	SER	1039.7	1040.7	1.7	64.0			
	245	SVTO	4	S/F	1123.0	1125.0	4.0	170.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1149.0	1152.0	3.0	9200.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	1153.0	1153.0	U	410.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1357.0	1357.0	U	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1357.0	1358.0	2.0	490.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1401.0	1401.0	U	400.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	1905.0	1910.0	12.0	33.0			
	6700	CUBA	2	S/F	1908.2	1909.4	4.0	45.0	22.0		10L
	610	SGMR	4	S/F	1909.0	1912.0	4.0	350.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1909.0	1910.0	4.0	320.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1909.0	1912.0	8.0	100.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1909.6	1910.4	3.4	22.0	11.0		
	610	PALE	8	S	1910.0	1912.0	2.0	400.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1910.0	1910.0	2.0	380.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	2200.0	2201.0	8.0	52.0			QL=4 ST=2 TYP=3
30	410	LEAR	43	NS	0243.0	0244.0	433.0	250.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0243.0	0505.0	433.0	400.0			QL=4 ST=2 TYP=1
	245	SVTO	43	NS	0615.0	0631.0U	300.0	640.0			QL=2 ST=2 TYP=1
	410	SVTO	43	NS	0646.0	0918.0U	219.0	150.0			QL=2 ST=2 TYP=1
	204	IZMI	44	NS	0700.0E		300.0D		60.0		
	127	TORN	44	NS	0700.0E		490.0D		45.0		V=2
	245	SGMR	43	NS	1406.0	1428.0	104.0	73.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0231.0	0231.0	U	110.0			QL=4 ST=2 TYP=3
	2840	PEKG	45	C	0242.0	0244.8	6.0	27.5			
	500	HIRA	8	S	0243.0	0243.0	1.0	200.0			0
	200	HIRA	8	S	0244.0	0244.0	1.0	180.0			0
	2840	PEKG	5	S	0520.0	0522.3	5.0	10.3			
	200	HIRA	8	S	0521.0	0522.0	1.0	230.0			MR
	245	LEAR	49	GB	0521.0	0522.0	1.0	730.0			QL=4 ST=3 TYP=6
	610	LEAR	8	S	0657.0	0658.0	1.0	24.0			QL=4 ST=2 TYP=3
	33	UPIC	46	C	0713.0	0714.0	2.0				
	3000	IZMI	22	GRF	0858.4	0917.4	26.9	22.0			
	2950	GORK	22	GRF	0907.0	0917.7		14.1			
	2950	GORK	22	GRF	0907.0	0912.7	17.0	11.1			
	9100	GORK	21	GRF	0907.6	0917.1	15.4	11.7			
	1415	SVTO	4	S/F	0909.0	0912.0	4.0	49.0			QL=4 ST=2 TYP=3
	600	GORK	45	C	0911.5	0912.4	3.2	4.0			
	600	GORK	45	C	0911.5	0913.5		3.0			
	900	GORK	2	S/F	0911.8	0912.4	1.5	12.0			
	15400	SVTO	8	S	0912.0	0912.0	1.0	29.0			QL=4 ST=2 TYP=3
	9100	GORK	45	C	0912.2	0912.4	1.2	13.4			
	9100	GORK	45	C	0912.2	0912.9		10.1			
	410	SGMR	4	S/F	1242.0	1244.0	3.0	54.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1352.0	1354.0	3.0	53.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1451.0	1451.0	U	100.0			QL=4 ST=2 TYP=3
	2800	PENT	3	S	1640.0	1649.0	20.0	14.0			
	8800	SGMR	4	S/F	1648.0	1649.0	3.0	62.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1649.0	1649.0	2.0	29.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1841.0	1843.0	4.0	55.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1921.0	1922.0	1.0	55.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	2029.0	2036.0	20.0	31.0			
	6700	CUBA	46	C	2032.0	2035.2	11.5	67.0	33.0		24L
	9500	CUBA	2	S/F	2033.8	2035.0	4.2	32.0	16.0		
	200	HIRA	47	GB	2213.0	2214.0	1.0	790.0			0
	245	PALE	8	S	2213.0	2213.0	1.0	250.0			QL=4 ST=2 TYP=3