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

JANUARY 2007

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	245	LEAR	8	S	0134.0	0134.0	U	120.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0134.0	0134.0	U	150.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0715.0	0715.0	U	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0754.0	0754.0	U	340.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0754.0	0754.0	U	280.0			QL=4 ST=2 TYP=3
03	245	SGMR	8	S	1303.0	1303.0	1.0	170.0			QL=4 ST=2 TYP=3
05	245	LEAR	8	S	0610.0	0610.0	U	190.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0610.0	0610.0	U	140.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0645.0	0645.0	U	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0645.0	0645.0	U	89.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0656.0	0657.0	1.0	92.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0657.0	0657.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0727.0	0727.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0749.0	0749.0	1.0	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0749.0	0749.0	U	140.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0752.0	0752.0	U	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0752.0	0752.0	U	120.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0809.0	0809.0	U	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0809.0	0809.0	U	140.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0825.0	0825.0	U	380.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0825.0	0825.0	U	340.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0859.0	0859.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0942.0	0942.0	U	940.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0942.0	0942.0	U	730.0			QL=4 ST=2 TYP=6
	245	SVTO	48	C	1128.0	1132.0	4.0	380.0			QL=4 ST=2 TYP=8
06	33	UPIC	2	S/F	1315.2	1315.8	0.8U				
07	245	SGMR	8	S	1524.0	1524.0	1.0	120.0			QL=4 ST=2 TYP=3
08	127	TORN	44	NS	0730.0E		390.0D		6.0		V=1
	235	CUBA	44	NS	1300.0E		530.0D	15.0	8.0		
	410	PALE	43	NS	2127.0	2127.0	153.0	100.0			QL=4 ST=1 TYP=1
	245	LEAR	8	S	0108.0	0108.0	U	190.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0108.0	0108.0	U	140.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0207.0	0207.0	U	170.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0207.0	0207.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0248.0	0248.0	U	120.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0424.0	0424.0	U	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0854.0	0854.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0858.0	0858.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0931.0	0931.0	U	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0931.0	0931.0	U	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	1000.0	1000.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	1010.0	1012.0	2.0	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1025.0	1025.0	U	130.0			QL=4 ST=2 TYP=3
09	245	SVTO	43	NS	0658.0	0713.0	81.0	240.0			QL=4 ST=2 TYP=1
	245	LEAR	43	NS	0723.0	0755.0U	60.0	190.0			QL=2 ST=2 TYP=1
	127	TORN	44	NS	0730.0E		390.0D		3.0		V=2,DISTURBED
	235	CUBA	44	NS	1330.0E		500.0D	11.0	5.0		
	245	PALE	43	NS	2124.0	2124.0	321.0	140.0			QL=4 ST=2 TYP=1
	410	PALE	43	NS	2127.0	2127.0	318.0	100.0			QL=4 ST=2 TYP=1
	245	SVTO	8	S	1117.0	1117.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1143.0	1143.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1211.0	1211.0	U	110.0			QL=4 ST=2 TYP=3
10	610	LEAR	8	S	0950.0	0950.0	U	140.0			QL=2 ST=2 TYP=3
11	127	TORN	44	NS	0850.0E		310.0D		1.0		V=1
	2804	VORO	1	S	0051.1	0100.2	9.1	4.8			
12	2804	VORO	20	GRF	0120.3	0130.5	20.4	4.6			
	33	UPIC	42	SER	1234.0	1241.0	23.0U				
14	33	UPIC	2	S/F	1135.0	1135.5	1.5				

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15	410	PALE	8	S	0327.0	0327.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0659.0	0659.0	1.0	420.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0700.0	0700.0	U	550.0			QL=4 ST=2 TYP=6
16	2804	VORO	1	S	0225.0	0232.0	8.8	24.2			
	2800	HIRA	3	S	0225.0	0233.0	11.0	20.0			
	2804	VORO	29	PBI	0233.8	0240.2	64.4	12.4			
20	127	TORN	43	NS	1125.0		155.0		2.0		V=2
22	245	LEAR	49	GB	0907.0	0907.0	U	1700.0			QL=2 ST=3 TYP=6
	410	LEAR	8	S	0907.0	0907.0	U	350.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0907.0	0907.0	2.0	1200.0			QL=4 ST=2 TYP=6
	410	SVTO	49	GB	0907.0	0907.0	U	540.0			QL=4 ST=2 TYP=6
23	127	TORN	43	NS	0800.0		110.0		1.0		V-1,DISTURBED
	245	LEAR	49	GB	0712.0	0712.0	U	2600.0			QL=4 ST=2 TYP=6
	245	SGMR	8	S	1826.0	1826.0	U	480.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1827.0	1827.0	U	370.0			QL=4 ST=3 TYP=3
	245	PALE	49	GB	1847.0	1847.0	U	770.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	1847.0	1847.0	U	770.0			QL=4 ST=3 TYP=6
	245	SGMR	49	GB	1847.0	1847.0	U	830.0			QL=4 ST=2 TYP=6
24	127	TORN	43	NS	1340.0		20.0D		7.0		V=1
	245	PALE	8	S	0001.0	0001.0	U	62.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0001.0	0001.0	1.0	130.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0001.0	0002.0	1.0	26.0			QL=4 ST=2 TYP=3
	245	PALE	48	C	0029.0	0031.0	2.0	170.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	0031.0	0031.0	U	230.0			QL=4 ST=2 TYP=3
	2800	HIRA	8	S	0032.0	0032.0	1.0	10.0			
	245	LEAR	8	S	0516.0	0516.0	U	100.0			QL=4 ST=2 TYP=3
	33	UPIC	2	S/F	1336.0	1336.7	1.0				
25	127	TORN	44	NS	0730.0E		430.0D		9.0		V=1
	245	LEAR	20	GRF	0642.0	0649.0	1038.0	66.0			QL=4 ST=3 TYP=2
	2800	HIRA	1	S	0643.0	0653.0	29.0	15.0			
	2840	PEKG	20	GRF	0645.0	0652.5	25.0	16.4			
	410	LEAR	20	GRF	0649.0	0652.0	6.0	27.0			QL=4 ST=3 TYP=2
	33	UPIC	3	S	1337.0	1337.5	1.0				
26	127	TORN	44	NS	0730.0E		430.0D		12.0		V=1
	127	TORN	4	S/F	0731.9	0732.3	1.8	670.0	340.0		
	245	LEAR	8	S	0928.0	0928.0	U	130.0			QL=4 ST=2 TYP=3
28	2840	PEKG	1	S	0557.0	0600.8	6.0	3.0			
29	235	CUBA	7	C	1641.9	1644.1	42.0	11.0	5.0		
	9500	CUBA	1	S	1642.5	1644.9	5.4	26.0	13.0		
	6700	CUBA	1	S	1642.7	1644.9	5.6	20.0	10.0		
	2800	PENT	8	S	1643.1	1646.2	3.1				
	245	SGMR	8	S	1644.0	1644.0	U	55.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1645.0	1645.0	2.0	32.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1645.0	1646.0	2.0	27.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1645.0	1645.0	2.0	23.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1645.0	1646.0	4.0	69.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1645.0	1646.0	3.0	37.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1645.0	1646.0	6.0	32.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1651.0	1651.0	U	23.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2205.0	2217.0	U	300.0			QL=4 ST=2 TYP=3
	245	PALE	48	C	2237.0	2240.0	4.0	180.0			QL=4 ST=2 TYP=8
	245	LEAR	8	S	2240.0	2240.0	U	260.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2243.0	2243.0	U	190.0			QL=4 ST=2 TYP=3
30	245	PALE	8	S	0113.0	0114.0	1.0	130.0			QL=4 ST=2 TYP=3
	235	CUBA	7	C	2109.7	2111.9	10.0	8.0	4.0		
31	245	LEAR	8	S	0612.0	0612.0	U	120.0			QL=4 ST=2 TYP=3