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

Spectral Observations

MARCH 2008

OBSERVATION			EVENT				FREQUENCY			
Day	Start (UT)	End (UT)	Sta	Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	Lower (MHz)	Upper (MHz)	Remarks
01	0000	0735	CULG								
	0000	0837	HIRA								
	0705	0900	ONDR								
	2000	2400	CULG								
	2101	2400	HIRA								
02	0000	0800	CULG								
	0000	0838	HIRA								
	2000	2400	CULG								
	2100	2400	HIRA								
03	0000	0800	CULG								
	0000	0839	HIRA								
	0801	1536	ONDR								
	1400	1605	BLEN								
	2000	2400	CULG								
	2059	2400	HIRA								
04	0000	0800	CULG								
	0000	0840	HIRA								
	0650	1538	ONDR								
	0700	1605	BLEN								
	2000	2400	CULG								
	2057	2400	HIRA								
05	0000	0243	HIRA								
	0000	0800	CULG								
	0648	1540	ONDR								
	0700	1605	BLEN								
	0746	0841	HIRA								
	2000	2400	CULG								
	2056	2400	HIRA								
06	0000	0800	CULG								
	0000	0842	HIRA								
	0645	1542	ONDR								
	0700	1605	BLEN								
	2000	2400	CULG								
	2055	2400	HIRA								
07	0000	0800	CULG								
	0000	0843	HIRA								
	0643	1531	ONDR								
	0700	1615	BLEN								
	2000	2400	CULG								
	2053	2400	HIRA								
08	0000	0800	CULG								
	0000	0844	HIRA								
	0641	1545	ONDR								
	0700	1615	BLEN								
	2052	2400	HIRA								
	2000	2400	CULG	2132.0	2132.0	III	B	1	20	90	
			CULG	2205.0	2205.0	III	B	1	18	100	
			CULG	2213.0	2215.0	III	G	1	18X	100	
09	0000	0800	CULG								
	0000	0845	HIRA								
			LEAR	0029.0	0030.0	III		1	25	34	
	0639	1547	ONDR								
	0700	1620	BLEN								
	2000	2400	CULG								
	2050	2400	HIRA								
			LEAR	2350.0	0021.0	III		1	25	41	
10	0000	0800	CULG								
	0000	0846	HIRA								
	0636	1549	ONDR								
	0700	1620	BLEN								

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OBSERVATION				EVENT				FREQUENCY			
Day	Start (UT)	End (UT)	Sta	Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	Lower (MHz)	Upper (MHz)	Remarks
10	2000	2400	CULG								
	2048	2400	HIRA								
11	0000	0800	CULG								
	0000	0847	HIRA								
	0634	1551	ONDR								
	0700	1620	BLEN								
	2000	2400	CULG								
	2047	2400	HIRA								
12	0000	0800	CULG								
	0000	0848	HIRA								
	0632	1552	ONDR								
	0645	1620	BLEN								
	2000	2400	CULG								
	2046	2400	HIRA								
13	0000	0800	CULG								
	0000	0848	HIRA								
	0630	1554	ONDR								
	0640	1625	BLEN								
	2010	2400	CULG								
	2045	2400	HIRA								
14	0000	0800	CULG								
	0000	0849	HIRA								
	0627	1556	ONDR								
	0640	1625	BLEN								
	2010	2400	CULG								
	2044	2400	HIRA								
15	0000	0800	CULG								
	0000	0850	HIRA								
	0625	1558	ONDR								
	0630	1630	BLEN								
	2010	2400	CULG								
	2042	2400	HIRA								
16	0000	0800	CULG								
	0000	0851	HIRA								
	0623	1559	ONDR								
	0630	1630	BLEN								
			LEAR	0843.0	0843.0	III		1	25	86	
			SVTO	0843.0	0843.0	III		1	25	78	
	2010	2400	CULG								
	2041	2400	HIRA								
17	0000	0800	CULG								
	0000	0852	HIRA								
	0620	1601	ONDR								
	0630	1630	BLEN								
	2010	2400	CULG								
	2039	2400	HIRA								
18	0000	0800	CULG								
	0000	0853	HIRA								
	0618	1603	ONDR								
	0625	1635	BLEN								
	2010	2400	CULG								
	2037	2400	HIRA								
19	0000	0800	CULG								
	0000	0854	HIRA								
	0616	1604	ONDR								
	0625	1635	BLEN								
	2010	2400	CULG								
	2035	2400	HIRA								
20	0000	0800	CULG								

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MARCH 2008

OBSERVATION Day	Start (UT)	End (UT)	Sta	EVENT Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	Upper (MHz)	Remarks
20	0000	0855	HIRA								
	0614	1606	ONDR								
	0620	1640	BLEN								
	2010	2400	CULG								
	2034	2400	HIRA								
21	0000	0800	CULG								
	0000	0856	HIRA								
	0611	1608	ONDR								
	0620	1640	BLEN								
	2010	2400	CULG								
	2033	2400	HIRA								
22	0000	0800	CULG								
	0000	0857	HIRA								
	0609	1609	ONDR								
	0615	1640	BLEN								
	2010	2400	CULG								
	2032	2400	HIRA								
23	0000	0800	CULG								
	0000	0858	HIRA								
	0607	1611	ONDR								
	0615	1640	BLEN								
	2010	2400	CULG								
	2030	2400	HIRA								
24	0000	0800	CULG								
	0000	0859	HIRA								
	0605	1613	ONDR								
	0610	1645	BLEN								
	2010	2400	CULG	2251.0	2254.0	III	G	1	18	85	
			LEAR	2351.0	2354.0	III		1	25	149	
	2029	2400	HIRA	2351.0	2354.5	III	G	1	50	130	
25	0000	0800	CULG								
	0000	0900	HIRA								
	0610	1645	BLEN								
	0650	1614	ONDR								
			PALE	1848.0	1850.0	V		1	28	55	
			PALE	1852.0	1900.0	II		3	25U	60U	ESS 1278
	2010	2400	CULG	2136.0	2136.0	III	B	1	50	110	
	2028	2400	HIRA	2136.0	2136.5	III	B	1	60	220	
			CULG	2138.0	2138.0	III	B	1	18	40	
26			LEAR	0013.0	0013.0	III		1	70	166	
	0000	0800	CULG	0013.0	0013.0	III	B	1	60	100	
	0000	0900	HIRA	0013.0	0013.5	III	B	1	60	320	
			HIRA	0018.0	0018.5	III	B	1	25X	80	
			LEAR	0225.0	0227.0	III		1	25	180	
			PALE	0225.0	0227.0	III		1	25	169	
			CULG	0226.0	0228.0	III	G	1	18	100	
	0601	1616	ONDR								
			SVTO	1209.0	1219.0	III		1	25	157	
			SVTO	1209.0	1219.0	III	N	1	25	157	
	0610	1645	BLEN	1624.8	1625.3	III	GG,RS	1	100X	600	
			SGMR	1625.0	1625.0	III		1	110	180	
			SVTO	1625.0	1625.0	III		1	56	176	
	2010	2400	CULG								
	2026	2400	HIRA								
27	0000	0800	CULG								
			LEAR	0226.0	0227.0	III		1	64	180	
			PALE	0226.0	0227.0	III		1	82	175	
	0000	0901	HIRA	0226.0	0227.0	III	G	2	60	220	
	0558	1617	ONDR								
			HIRA	0843.0	0847.0	III	G	1	90	210	
			LEAR	0843.0	0846.0	III		1	81	180	
			SVTO	0843.0	0846.0	III		1	109	180	

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Spectral Observations

MARCH 2008

OBSERVATION Day	Start (UT)	End (UT)	Sta	EVENT Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	Upper (MHz)	Remarks
27	0610	1645	BLEN	0843.0	0843.7	III	GG	1	100X	260	
	2010	2400	CULG								
	2024	2400	HIRA								
28	0000	0800	CULG								
	0000	0902	HIRA								
	0556	1619	ONDR								
	0610	1650	BLEN								
			SVTO	1109.0	1109.0	III		1	25	40	
	2010	2400	CULG								
	2022	2400	HIRA								
29	0000	0800	CULG								
	0000	0902	HIRA								
	0554	1621	ONDR								
	0605	1650	BLEN								
	2010	2400	CULG								
	2020	2400	HIRA								
30	0000	0800	CULG								
	0000	0903	HIRA								
	0552	1622	ONDR								
	0605	1650	BLEN								
			PALE	2033.0	2033.0	III		1	25	58	
			SGMR	2033.0	2033.0	III		1	30	54	
	2010	2400	CULG	2033.0	2033.0	III	B	1	20	90	
	2019	2400	HIRA	2033.0	2033.5	III	B	1	50	310	
			CULG	2324.0	2325.0	III	G	1	20	45	
31			LEAR	0110.0	0111.0	V		1	25U	157U	
			PALE	0111.0	0112.0	V		1	25U	153U	
	0000	0800	CULG	0111.0	0112.0	III	G	1	20	130	
	0000	0904	HIRA	0111.0	0111.5	III	G	1	50	130	
			LEAR	0210.0	0215.0	III		1	25	147	
			PALE	0210.0	0210.0	III		1	25U	108U	
			CULG	0211.0	0211.0	III	B	1	23	75	
			CULG	0215.0	0215.0	III	B	1	18	85	
			HIRA	0215.0	0215.5	III	B	1	25X	130	
			PALE	0215.0	0216.0	III		1	25U	160U	
	0550	1624	ONDR								
	0600	1700	BLEN								
	2010	2400	CULG								
	2018	2400	HIRA								

Event Remarks:

B = Single burst
C = Underlyling continuum (particularly with Type I)
DC = Drifting chains
DP = Drifting pairs
F = Fundamental emission (Type II)
FS = Fine structures (Type IV)
G = Small group of bursts (<10)
GG = Large group of bursts (>10)
H = Herringbone
HARM = Harmonic
N = Intermittent activity in this period
MOV = Moving (Type IV)
MWB = Meter wave burst
RS = Reverse slope burst
S = Storm in the sense of intermittent but apparently connected actively
SH = Secondary harmonic emission
STA = Stationary (Type IV)
U = U-shaped burst of Type III
UE = Uncertain emission (Type II)
W = Weak

Frequency qualifiers:

X = Extends beyond instrument range
U = Uncertain frequency

Remarks:

SWF = Associated short wave fade observed
ESS = Estimated shock speed in km/s (Type II)
FLA = Associated flare observed (class optional)

Stations Reporting:

CULG = Culgoora IZMI = Izmiran LEAR = Learmonth ONDR = Ondrejov BLEN = Bleien
PALE = Palehua POTS = Potsdam SGMR = Sagamore Hill SVTO = San Vito

NOTE 1: Beginning June 26, 2001, the Bleien observatory changed to higher frequencies (1-4Ghz).
NOTE 2: Potsdam has reduced sensitivity in the 400-800 MHz range.