SOLAR RADIO EMISSION
Spectral Observations

OCTOBER 2005

Day	OBSERVATION Start (UT)	End (UT)	Sta	EVENT Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	Upper (MHz)	Remarks
01	0000	0750	CULG								
	0000	0822	HIRA								
	0612	1530	ONDR								
	2033	2400	HIRA								
	2000	2400	CULG	2316.0	2317.0	III	G	1	20	57X	
02	0000	0750	CULG								
	0000	0821	HIRA								
	0614	1528	ONDR								
	2000	2400	CULG								
	2034	2400	HIRA								
03	0000	0750	CULG								
	0000	0819	HIRA								
			LEAR	0011.0	0222.0	III	N	1	84	119	
	0616	1525	ONDR								
	2000	2400	CULG								
	2034	2400	HIRA								
04			PALE	0046.0	0046.0	III		1	25	54	
	0000	0750	CULG	0046.0	0048.0	III	G	1	20	57X	
			LEAR	0047.0	0048.0	III		1	25	112	
	0000	0817	HIRA	0047.5	0048.0	III	G	1	40	120	
	0617	1523	ONDR								
	2000	2400	CULG								
	2035	2400	HIRA								
05			LEAR	0306.0	0307.0	III		2	25	180	
			PALE	0306.0	0306.0	III		1	25	180	
	0000	0750	CULG	0306.0	0307.0	III	G	3	18X	57X	
	0000	0816	HIRA	0306.0	0307.0	III	G	2	25X	200	
			LEAR	0816.0	0817.0	III		1	25	109	
			SVTO	0816.0	0817.0	III		1	25U	81U	
			ONDR	0817.1	0818.2	DCIM	G	2	800X	2000X	
	0619	1521	ONDR	0817.4	0818.2	DCIM	G	1	2000X	4500X	
			LEAR	0841.0	0843.0	III		2	25	180	
			SVTO	0841.0	0843.0	III		2	25	180	
			SVTO	1040.0	1043.0	III		1	25	116	
			SVTO	1118.0	1119.0	III		1	25	158	
			SVTO	1232.0	1320.0	III		1	25	43	
			SVTO	1232.0	1320.0	III	N	1	25	43	
			SGMR	1244.0	1245.0	III		1	30	76	
			SVTO	1244.0	1244.0	III		2	25	133	
			SGMR	1409.0	1410.0	III		1	30	54	
			SVTO	1409.0	1410.0	III		1	25	126	
	2036	2400	HIRA								
	2000	2400	CULG	2320.0	2320.0	III	B	1	23	57X	
06	0000	0750	CULG	0328.0	0342.0	III	GG	1	23	50	
			CULG	0404.0	0405.0	III	G	3	18X	57X	
			LEAR	0404.0	0405.0	III		2	25	180	
	0000	0815	HIRA	0404.0	0405.5	III	G	2	25X	420	
			LEAR	0453.0	0454.0	III		2	25	151	
			HIRA	0453.5	0454.0	III	B	1	25X	170	
			CULG	0454.0	0454.0	III	B	3	18	57	
	0621	1519	ONDR								
			SGMR	1317.0	1540.0	III	N	1	30	170	
			SVTO	1321.0	1514.0	CONT		1	25	180	
	2000	2400	CULG								
	2037	2400	HIRA								
07			LEAR	0110.0	0116.0	III		1	75	119	
			LEAR	0126.0	0127.0	III		1	25	103	
	0000	0814	HIRA	0127.0	0127.5	III	B	1	60	100	
			LEAR	0406.0	0408.0	III		1	75	99	
			LEAR	0418.0	0812.0	III	N	1	25	170	
	0000	0750	CULG	0436.0	0655.0	III	S	1	23	57X	
	0622	1516	ONDR								
			SVTO	0811.0	0811.0	III		1	25U	68U	

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

OCTOBER 2005

Day	OBSERVATION Start (UT)	End (UT)	Sta	EVENT Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	Upper (MHz)	Remarks
07			SGMR	1225.0	1225.0	III		1	30	68	
			SVTO	1225.0	1225.0	III		1	25	150	
			SGMR	1500.0	1502.0	III		1	30	180	
			SVTO	1500.0	1502.0	III		1	25	180	
	2000	2400	CULG								
	2038	2400	HIRA								
08			LEAR	0008.0	0410.0	CONT		1	75	180	
			LEAR	0031.0	0031.0	III		1	32	135	
	0000	0750	CULG	0031.0	0031.0	III	B	1	23	57	
	0000	0813	HIRA	0031.0	0031.5	III	B	1	50	180	
			CULG	0052.0	0052.0	III	B	2	18	57X	
			LEAR	0052.0	0053.0	III		2	25	180	
			HIRA	0053.0	0053.5	III	B	2	25X	200	
			PALE	0053.0	0053.0	III		1	25	180	
			CULG	0236.0	0238.0	III	G	1	20	57X	
			LEAR	0236.0	0238.0	III		1	25	169	
			HIRA	0237.5	0238.0	III	B	1	25X	210	
			LEAR	0334.0	0343.0	III		1	25	180	
			HIRA	0334.5	0343.5	III	G	1	25X	180	
			CULG	0335.0	0344.0	III	G	1	20	57	
			PALE	0336.0	0337.0	III		1	25	180	
			LEAR	0548.0	0548.0	III		1	25	57	
	0624	1514	ONDR								
			CULG	0727.0	0727.0	III	B	1	18	57X	
			HIRA	0727.0	0727.5	III	B	1	30	120	
			LEAR	0727.0	0728.0	III		1	25	180	
			SVTO	0727.0	0727.0	III		1	25	72	
			LEAR	0854.0	0855.0	III		1	25	124	
			SVTO	0854.0	0855.0	III		1	25	95	
			SVTO	1028.0	1029.0	III		2	25	125	
			SVTO	1104.0	1104.0	III		1	25	45	
			SGMR	1245.0	1245.0	III		1	30	65	
			SVTO	1245.0	1245.0	III		1	25	86	
	2000	2400	CULG								
	2039	2400	HIRA								
09			LEAR	0251.0	0252.0	III		1	25	165	
			PALE	0251.0	0252.0	III		1	25	180	
	0000	0811	HIRA	0251.5	0252.0	III	B	1	25X	160	
	0000	0750	CULG	0252.0	0252.0	III	B	2	18	57X	
	0633	1512	ONDR								
			PALE	1753.0	1756.0	III		2	25	180	
	2000	2400	CULG								
	2039	2400	HIRA								
10	0634	1509	ONDR								
			LEAR	0736.0	0737.0	III		2	25	180	
			SVTO	0736.0	0737.0	III		1	25	158	
	0000	0750	CULG	0736.0	0737.0	III	G	1	20	57X	
	0000	0810	HIRA	0736.5	0737.5	III	G	1	80	130	
			LEAR	0952.0	0953.0	III		1	25	127	
			SVTO	0952.0	0953.0	III		1	28U	126U	
	2040	2400	HIRA								
	2000	2400	CULG	2134.0	2134.0	III	B	1	30	57X	
11	0000	0750	CULG								
	0000	0808	HIRA								
	0629	1507	ONDR								
			SGMR	1713.0	1714.0	III		1	30	53	
			SGMR	1721.0	1725.0	III		1	30	180	
			PALE	1723.0	1725.0	III		1	25	180	
			PALE	1734.0	1744.0	II		1	25	65	ESS 0597
			SGMR	1735.0	1744.0	II		2	30	66	ESS 0437
			PALE	2210.0	2211.0	III		1	25	85	
	2000	2400	CULG	2210.0	2212.0	III	G	1	20	57X	
	2041	2400	HIRA	2210.5	2212.0	III	G	1	25X	110	
			CULG	2341.0	2341.0	III	B	1	20	57X	
			HIRA	2341.0	2341.5	III	B	1	25X	50	

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

OCTOBER 2005

Day	OBSERVATION Start (UT)	End (UT)	Sta	EVENT Start (UT)	End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	Upper (MHz)	Remarks
11			LEAR	2341.0	2341.0	III		1	25	110	
			LEAR	2351.0	2352.0	III		1	25	98	
			HIRA	2351.5	2352.0	III	B	1	25X	120	
			CULG	2352.0	2352.0	III	B	1	20	57X	
12			LEAR	0046.0	0047.0	III		1	25	92	
			PALE	0046.0	0047.0	III		1	30	64	
	0000	0750	CULG	0047.0	0047.0	III	B	1	23	57X	
	0000	0806	HIRA	0047.0	0047.5	III	B	1	30	80	
			CULG	0531.0	0533.0	III	G	1	20	57X	
			HIRA	0531.0	0532.5	III	G	1	25X	200	
			LEAR	0531.0	0604.0	III	N	2	25	180	
			SVTO	0531.0	0542.0	III	N	1	25	180	
			CULG	0537.0	0537.0	III	B	1	20	57X	
			HIRA	0537.0	0537.5	III	B	1	25X	110	
			HIRA	0539.5	0540.0	III	B	1	70	120	
			SVTO	0549.0	0601.0	II		1	25	61	ESS 0574
			CULG	0550.0	0555.0	II	FN	3	20	30	
			CULG	0550.0	0555.0	II	SH	1	40	57X	FLA ESS 500
			CULG	0554.0	0608.0	II	UE	2	23	35	
			LEAR	0558.0	0601.0	II		2	25	79	ESS 0486
	0633	1505	ONDR								
			SGMR	1219.0	1219.0	III		1	30	180	
			SVTO	1219.0	1219.0	III		1	25	138	
			PALE	1755.0	1810.0	III		1	25	180	
			SGMR	1755.0	1811.0	III		1	30	180	
	2000	2400	CULG								
	2042	2400	HIRA								
13	0000	0800	CULG								
			LEAR	0253.0	0253.0	III		1	25	180	
	0000	0805	HIRA	0253.5	0254.0	III	B	1	80	220	
	0640	1502	ONDR								
			HIRA	0644.0	0644.5	III	B	1	70	110	
			LEAR	0644.0	0645.0	III		1	68	116	
			SVTO	0644.0	0645.0	III		1	25	117	
			SVTO	0705.0	0722.0	III	N	1	25	117	
			LEAR	0716.0	1010.0	III	N	1	38	123	
			SVTO	0920.0	1257.0	III	N	1	25	120	
			PALE	1815.0	1815.0	III		1	25	64	
			SGMR	1815.0	1816.0	III		1	30	66	
	2000	2400	CULG								
14	0000	0800	CULG								
	0015	0803	HIRA								
	0635	1458	ONDR								
	2000	2400	CULG								
	2043	2400	HIRA								
15	0000	0800	CULG								
	0000	0802	HIRA								
	0637	1458	ONDR								
	2000	2400	CULG								
	2045	2400	HIRA								
16	0000	0800	CULG								
	0000	0800	HIRA								
	0646	1455	ONDR								
	2000	2400	CULG								
	2046	2400	HIRA								
17	0000	0759	HIRA								
	0000	0800	CULG								
	0648	1453	ONDR								
	2000	2400	CULG								
	2047	2400	HIRA								
18	0000	0758	HIRA								
	0000	0800	CULG								

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

OCTOBER 2005

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
18	0642	1451	ONDR								
	2000	2400	CULG								
	2048	2400	HIRA								
19	0000	0757	HIRA								
	0000	0800	CULG								
	0644	1449	ONDR								
	2000	2400	CULG								
	2049	2400	HIRA								
20	0000	0756	HIRA								
	0000	0800	CULG								
	0646	1446	ONDR								
	2000	2400	CULG								
	2049	2400	HIRA								
21	0000	0601	HIRA								
	0000	0800	CULG								
	0648	1444	ONDR								
	0723	0755	HIRA								
	2000	2400	CULG								
	2100	2400	HIRA								
22	0000	0754	HIRA								
	0000	0800	CULG								
	0656	1442	ONDR								
	2000	2400	CULG								
	2051	2400	HIRA								
23	0000	0753	HIRA								
	0000	0800	CULG								
	0656	1439	ONDR								
	2000	2400	CULG								
	2052	2400	HIRA								
24	0000	0751	HIRA								
	0000	0800	CULG								
	0654	1437	ONDR								
	2000	2400	CULG								
	2052	2400	HIRA								
25	0000	0750	HIRA								
	0000	0800	CULG								
	0656	1434	ONDR								
	2000	2400	CULG								
	2053	2400	HIRA								
26	0000	0749	HIRA								
	0000	0800	CULG								
	0658	1433	ONDR								
	2000	2400	CULG								
	2054	2400	HIRA								
27	0000	0748	HIRA								
	0000	0800	CULG								
	0700	1430	ONDR								
	2000	2400	CULG								
	2055	2400	HIRA								
28	0000	0747	HIRA								
	0000	0800	CULG								
	0702	1428	ONDR								
	2000	2400	CULG								
	2056	2400	HIRA								
29	0000	0745	HIRA								
	0000	0800	CULG								
	0705	1426	ONDR								
	2000	2400	CULG								

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

OCTOBER 2005

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
29	2057	2400	HIRA								
30			LEAR	0405.0	0405.0	III		2	25	129	
	0000	0744	HIRA	0405.5	0406.0	III	B	1	30	120	
	0000	0800	CULG	0406.0	0406.0	III	B	1	20	57	
	0713	1424	ONDR								
	2000	2400	CULG	2038.0	2038.0	III	B	1	20	50	
			CULG	2042.0	2042.0	III	B	1	20	50	
	2058	2400	HIRA								
31	0000	0742	HIRA								
	0000	0800	CULG								
	0709	1422	ONDR								
	2000	2400	CULG								
	2059	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).