SOLAR RADIO EMISSION
Spectral Observations

FEBRUARY 2000

Day	OBSERVATION Start (UT)	OBSERVATION End (UT)	Sta	EVENT Start (UT)	EVENT End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	FREQUENCY Upper (MHz)	Remarks
01	0000	0745	CULG								
			LEAR	0507.0	0507.0	III		1	30	80	
	0000	0807	HIRA	0507.4	0507.6	III	B	1	50	160	
	0649	1200	IZMI	0740.6	0740.8	III	B	1	45	95	
	0743	0801	POTS								
			SVTO	0745.0	1345.0	CONT		1	35	60	
	0757	1430	ONDR								
	0810	1535	BLEN								
	0828	1430	POTS	1151.1	1151.3	III	B	1	130	170U	
	2030	2400	CULG								
	2134	2400	HIRA								
02			LEAR	0031.0	0031.0	III		1	37	57	
	0000	0745	CULG	0031.0	0031.0	III	B	1	30	70	
			CULG	0103.0	0104.0	III	G	1	20	160	
			LEAR	0103.0	0104.0	III		2	30	80	
	0000	0808	HIRA	0103.4	0103.6	III	B	1	50	180	
			LEAR	0315.0	0316.0	III		1	30	50	
			CULG	0337.0	0340.0	III	G	1	50	250	
			LEAR	0337.0	0338.0	III		2	30	80	
			HIRA	0339.4	0340.0	III	B	2	150	240	
			CULG	0620.0	0630.0	UNCLF		1	100	140	
			LEAR	0718.0	0718.0	III		1	30	55	
	0756	1432	ONDR								
	0740	1431	POTS	0805	1431 U	I	S,W	1	70	170U	
	0810	1535	BLEN								
	0732	1200	IZMI	0836.0U	0900.0	I	N	1	60	95	
			IZMI	0917.0	0917.3	III	G	1	55	90	
			LEAR	0944.0	0947.0	III		2	30	55	
			SVTO	0944.0	0959.0	III	N	1	35	85	
			POTS	0944.3	0945.1	III	G	2	40X	125	
			IZMI	0944.8	0944.9	III	G	2	30	95	
			IZMI	0944.9	0945.1	III	G	1	190	270	
			POTS	0946.8	0947.3	III	G	3	40X	170U	
			IZMI	0946.9	0947.2	III	G	2	25	255	
			POTS	1155.1	1155.2	III	B	1	110U	170U	
			POTS	1157.3	1158.0	III	G	2	40X	170U	
			IZMI	1157.4	1157.9	III	G	1	50	65	
			POTS	1327.0	1327.8	III	G	2	40X	170U	
			POTS	1329.3	1329.5	III	B	2	40X	70	
			POTS	1333.5	1333.8	III	G	1	110U	170U	
			POTS	1350.3	1351.3	III	G	2	40X	170U	
	2134	2400	HIRA								
	2030	2400	CULG	2257.0	2257.0	III	B	1	30	90	
03			LEAR	0120.0	0120.0	III		1	30	58	
	0000	0745	CULG	0120.0	0120.0	III	B	1	25	90	
			CULG	0315.0	0315.0	III	B	1	23	90	
			LEAR	0315.0	0315.0	III		1	30	50	
			LEAR	0501.0	0501.0	III		1	30	40	
			LEAR	0555.0	0623.0	III	N	2	30	55	
			CULG	0621.0	0621.0	III	B	1	55	180	
			CULG	0714.0	0717.0	III	G	3	18	420	
			LEAR	0714.0	0717.0	III		3	30	80	
	0706	1200	IZMI	0714.3	0714.5	III	B	2	45	115	
			IZMI	0715.0	0715.3	III	G	2	30	255	
			SVTO	0715.0	0717.0	III		2	35	78	
	0000	0809	HIRA	0715.2	0717.2	III	G	2	25X	300	
			IZMI	0715.4	0716.2	III	G	1	50	230	
			IZMI	0716.9	0717.6	III	G,C	2	30	270X	
	0754	1436	ONDR								
	0737	1433	POTS	1001.0	1001.1	III	B	1	110U	145	
			POTS	1010.5	1011.0	III	G	1	110U	170U	
			POTS	1027.9	1029.2	III	G	2	40X	170U	
			IZMI	1028.0	1029.1	III	G	1	45	245	
			POTS	1111.0	1112.0	III	G,RS	2	40X	225U	
			IZMI	1111.3	1112.0	III	G	2	50	245	
			SVTO	1202.0	1204.0	III		1	35	70	
			POTS	1202.5	1204.9	III	GG	2	40X	375U	

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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
03			POTS	1206	1207	I	S	1	150	170U	
			POTS	1215	1216	I	S	1	155	170U	
			POTS	1351	1353	I	S	1	110U	140	
			POTS	1403.5	1403.6	III	B	1	110U	170U	
	2133	2400	HIRA								
	2030	2400	CULG	2231.0	2234.0	III	G	1	60	80	
04	0000	0745	CULG								
	0000	0810	HIRA								
	0647	1200	IZMI	0731.8	0732.0	III	B	1	60	175	
	0800	1535	BLEN								
	0735	1435	POTS	0815.8	0816.0	III	G	1	110U	170U	
			POTS	0834.5	0834.7	III	G	1	110U	135	
			POTS	0848.6	0848.7	III	B	1	110U	170U	
			IZMI	0914.0	0914.2	III	B	2	45	170	
	0752	1437	ONDR	0914.0	0916.5	DCIM	G	2	2525	4500X	
			POTS	0914.1	0914.2	III	B	2	110U	170U	
			POTS	0917.3	0917.5	III	G	1	140U	170U	
			IZMI	0949.5	0949.6	III	B,U	1	225	255	
			IZMI	1034.3	1035.3	III	G	2	30	135	
			POTS	1034.3	1035.3	III	G	2	40X	170U	
			POTS	1112.1	1112.3	III	B	1	40X	70	
			POTS	1229.9	1230.1	III	B	2	110U	170U	
	2030	2400	CULG	2126.0	2126.0	III	B	1	20	50	
	2132	2400	HIRA								
			CULG	2203.0	2206.0	III	G	1	30	90	
05	0000	0811	HIRA								
	0000	0745	CULG	0516.0	0516.0	III	B	1	60	90	
	0648	1200	IZMI	0708.0	0708.3	III	G	2	135	270X	
			IZMI	0816.1	0816.3	III	G	2	200	270	
			SVTO	0830.0	1518.0	CONT		1	38U	76U	
	0734	1437	POTS	0852.1	0852.2	III	B	1	110U	170U	
			ONDR	0855.4	0856.1	DCIM	G	1	800X	1300	
			POTS	0855.6	0856.1	DCIM		1	400U	700	
			LEAR	0915.0	1009.0	CONT		1	30	70	
			POTS	1030.3	1030.8	III	G	2	40X	170U	
			IZMI	1030.4	1030.7	III	G	1	95	160	
			IZMI	1125.2	1125.5	III	G	2	45	215	
			POTS	1125.3	1125.6	III	B	2	40X	220U	
	0750	1438	ONDR	1253.3	1253.5	DCIM		1	3005	4500X	
			POTS	1309.8	1309.9	III	B	1	110U	130	
			ONDR	1345.1	1346.4	DCIM	GG	1	1320	1725	
	0755	1535	BLEN	1345.5	1346.6	III	GG	2	1280	1720	
			PALE	1921.0	1921.0	III		2	25	75	
			PALE	1921.0	1935.0	II		3	25	180	ESS 0501
			SGMR	1921.0	1921.0	III		1	30	60	
			SGMR	1924.0	1929.0	III		3	30	80	
			PALE	1925.0	1935.0	II		3	25	75	ESS 0500
			PALE	1944.0	1949.0	III		2	25	50	
			SGMR	1944.0	1949.0	III		2	30	55	
	2030	2400	CULG	2038.0	2058.0	III	N	1	23	170	
	2131	2400	HIRA								
			CULG	2345.0	2346.0	III	G	1	18	130	
			LEAR	2345.0	2345.0	III		1	30	60	
06			LEAR	0436.0	0439.0	III		1	30	55	
			LEAR	0513.0	0513.0	III		1	30	40	
	0658	1200	IZMI	0701.0U	0718.0U	I	N	1	200	240	
			IZMI	0702.0U	0916.0U	III	N	1	45	95	
			LEAR	0715.0	0718.0	III		3	30	80	
			SVTO	0715.0	0717.0	V		3	35	85	
	0000	0745	CULG	0715.0	0718.0	III	G	3	25	180	
			IZMI	0715.5	0716.9	III	GG	2	35	270X	
	0000	0812	HIRA	0715.8	0717.2	III	G	3	30	260	
			IZMI	0716.0	0717.4	V	G	2	35	170	
	0748	1443	ONDR								
	0800	1535	BLEN								
	0734	1438	POTS	0817	0818	I	S	1	110U	120	

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06			POTS	0825	0827	I	S	1	110U	130	
			IZMI	0843.8	0843.9	III	B	1	45	95	
			IZMI	0905.7	0906.1	III	G,HARM	2	105	270X	
			POTS	0906.0	0906.2	III	G,U	3	110U	170U	
			POTS	0941	0942	UNCLF		1	110U	120	
			POTS	1007	1010	UNCLF		1	110U	170U	
			IZMI	1021.4	1021.8	III	G	1	200	270X	
			POTS	1031	1032	UNCLF		1	110U	120	
			POTS	1058	1100	I	S	1	160	300U	
			IZMI	1106.3	1106.5	III	B	1	45	65	
			POTS	1116	1117	UNCLF		2	110U	120	
			IZMI	1116.4	1116.8	III	B	1	45	95	
			POTS	1123	1124	UNCLF		1	110U	120	
			IZMI	1123.7	1157.6	III	G	1	45	95	
			POTS	1125	1126	UNCLF		1	110U	120	
			POTS	1153	1154	I	S	1	160	300U	
			POTS	1157	1158	I		1	110U	120	
			IZMI	1157.5	1157.6	III	B	1	45	70	
			POTS	1158.8	1159.1	III	G	1	140U	375U	
			POTS	1200	1201	I		1	110U	120	
			POTS	1215.2	1215.3	III	B	1	40X	70	
			POTS	1226	1227	I		1	110U	120	
			POTS	1231.9	1232.1	III	B	1	40X	130	
			POTS	1232	1234	I	S	1	110U	120	
			POTS	1251	1253	I	S	1	110U	120	
			POTS	1357.2	1357.3	III	B	1	110U	150	
			POTS	1400	1401	I	S	1	110U	170U	
			POTS	1411	1412	I		1	150	160	
			SVTO	1529.0	1530.0	III		2	36U	81U	
	2030	2400	CULG								
	2130	2400	HIRA								
			PALE	2330.0	2330.0	III		1	25	45	
			PALE	2345.0	2345.0	III		1	25	45	
07	0000	0745	CULG	0427.0	0428.0	III	G	1	95	180	
	0000	0813	HIRA	0427.6	0433.4	III	G	2	90	200	
			LEAR	0450.0	0722.0	CONT		1	30	80	
	0659	1200	IZMI	0700.0U	1200.0D	I	N	1	120	245	
	0746	1443	ONDR								
	0750	1535	BLEN								
	0734	1349	POTS	0804	1449 U	I	S	1	110U	300U	
			POTS	0853.9	0854.9	III	G	2	110U	170U	
			LEAR	0854.0	0855.0	III		1	30	54	
			IZMI	0854.5	0855.3	III	G	1	50	125	
			POTS	1054.9	1055.5	III	G	2	110U	170U	
			SVTO	1528.0	1529.0	III		2	36	55	
	2030	2400	CULG	2106.0	2400.0D	I	S	1	70	170	
			CULG	2126.0	2126.0	III	G	1	20	90	
	2129	2400	HIRA								
			CULG	2233.0	2302.0	III	N	1	18	100	
08	0000	0814	HIRA								
	0000	0745	CULG	0000.0E	0644.0	I	S	1	70	170	
			CULG	0121.0	0125.0	III	G	1	18	180	
			LEAR	0122.0	0124.0	III		2	30	80	
			PALE	0122.0	0124.0	III		1	30	45	
	0657	1200	IZMI	0715.6	0716.5	I	GG	2	145	200	
			IZMI	0843.3	0844.3	III	G	2	200	270X	
	0744	1445	ONDR	0844.0	0910.0	DCIM	GG	2	2000X	4500X	
			ONDR	0844.4	0912.3	DCIM	GG,FS	2	800X	2000X	
	0750	1535	BLEN	0844.7	0903.7	III	GG,RS	3	1000X	2650	
	0734	1449	POTS	0846.0	0912 U	DCIM		2	400U	800X	
			IZMI	0847.4	0853.6	III	GG	2	30	270X	
			BLEN	0847.8	0907.0	DCIM	P	2	1300	2800X	
			POTS	0848.8	0900.4	III	GG	3	40X	145	
			LEAR	0849.0	0914.0	III	N	3	30	80	
			SVTO	0849.0	0853.0	III		3	35	85	
			IZMI	0849.4	1150.0U	I	N	2	40	270	
			IZMI	0852.6	0919.8	II	HARM	2	25	245	

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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
08			POTS	0853 U	0900.4	II	F	2	40X	90U	
			SVTO	0853.0	0902.0	V		3	35	85	
			POTS	0853.2	0916 U	II	SH	3	40X	170U	
			IZMI	0855.0	0857.6	III	GG	3	25X	270X	
			SVTO	0857.0	0916.0	II		3	35	85	ESS 0600
			IZMI	0857.2	0906.3	III	N	2	30	270X	
			LEAR	0858.0	0920.0	II		3	40	80	ESS 0700
			SVTO	0949.0	0953.0	III		3	35	85	
			POTS	1231.2	1232.3	III	G	2	40X	170U	
	2030	2400	CULG								
09	0011	0815	HIRA								
			LEAR	0047.0	0050.0	V		2	30	80	
			PALE	0047.0	0050.0	III		2	25	60	
	0000	0745	CULG	0047.0	0051.0	III	G	2	23	180	
			CULG	0055.0	0055.0	III	B	1	70	180	
			LEAR	0120.0	0210.0	CONT		1	30	80	
			CULG	0526.0	0745.0D	I	S	1	110	170	
			SVTO	0637.0	0923.0	CONT		1	37	56	
			IZMI	0648.0E	0921.0U	III	N	1	45X	95	
	0648	1200	IZMI	0648.0E	1200.0D	I	S	2	105	270X	
	0741	1449	ONDR								
	0734	0757	POTS	0749 E	0757 U	I	S,C,DC	2	110U	170U	
	0807	1453	POTS	0807 E	1453 U	I	S,C,DC	2	110U	300U	
			POTS	0946.5	0947.2	III	G	2	110U	170U	
			POTS	0950.8	0951.0	III	G	2	110U	170U	
			POTS	1023.8	1023.9	III	B	2	110U	150	
			POTS	1028.9	1029.2	III	G	2	110U	170U	
			POTS	1030.3	1030.4	III	B	2	110U	170U	
	0745	1545	BLEN	1304.1	1306.5	III	GG	1	1200	2450	
			PALE	1928.0	1942.0	V		3	25	75	
			SGMR	1931.0	1942.0	V		2	30	80	
	2128	2400	HIRA								
	2030	2400	CULG	2346.0	2346.0	III	B	1	30	80	
10			LEAR	0045.0	0148.0	CONT		1	30	80	
	0000	0745	CULG	0045.0	0052.0	III	GG	1	23	170	
			CULG	0145.0	0225.0	IV		2	50	570U	
	0000	0816	HIRA	0146.0	0210.0	IV		2	140	800	
			CULG	0148.0	0150.0	UNCLF		1	30	40	
			LEAR	0148.0	0158.0	II		2	30	80	ESS 1000
			CULG	0153.0	0158.0	II	UE	1	30	80	
			PALE	0155.0	0159.0	II		1	25	50	ESS 1200
	0701	1200	IZMI	0701.0E	1200.0D	I	S	1	200	270	
	0739	1449	ONDR								
	0745	1545	BLEN								
	0734	1453	POTS	0748	1453 U	I	S	1	110U	250U	
			IZMI	0852.4	0852.5	III	B	2	38	135	
			POTS	0852.4	0852.5	III	B	1	110U	160	
	2030	2400	CULG								
	2127	2400	HIRA								
11	0000	0817	HIRA								
			LEAR	0330.0	0331.0	III		1	30	80	
	0000	0745	CULG	0331.0	0331.0	III	B	1	55	90	
	0713	1457	POTS	0748	1457 U	I	S,C,DC	2	110U	250U	
			POTS	0833.8	0834.2	III	G	1	110U	170U	
			SVTO	0924.0	0925.0	III		1	35	70	
	0646	1200	IZMI	0924.7	0925.0	III	B	2	25	260	
			POTS	0924.8	0925.1	III	G	3	40X	150	
			IZMI	0952.5	0952.6	III	B	1	95	135	
			POTS	0952.5	0952.6	III	B	2	110U	145	
			POTS	1043.8	1044.0	III	G	2	65	170U	
			IZMI	1043.9	1043.9	III	B	1	55	140	
			IZMI	1046.6	1047.1	III	G	2	38	95	
			POTS	1046.6	1047.2	III	G	2	40X	75	
			SVTO	1048.0	1048.0	III		1	35U	85U	
			IZMI	1049.0	1049.7	III	G	2	30	245	
			POTS	1049.2	1049.8	III	G	3	40X	170U	

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11			POTS	1059.8	1101.3	III	G	2	40X	275U	
			IZMI	1103.9	1104.1	III	B,FS	2	45	130	
			POTS	1104.0	1104.1	III	G,RS	1	40X	170U	
			IZMI	1104.7	1105.4	III	G,FS	2	40	120	
			POTS	1104.7	1105.5	III	G,RS	2	40X	120	
			IZMI	1114.2	1114.4	III	B	1	60	135	
			POTS	1114.2	1114.3	III	B	2	110U	140	
			IZMI	1124.0U	1144.0U	I	N	1	200	245	
			POTS	1214.9	1215.0	III	B	1	135	170U	
			POTS	1216.8	1241.1	DCIM	P	3	350U	800X	
			POTS	1217.3	1245.8	III	GG	2	40X	170U	
			BLEN	1222.0	1239.2	III	GG,RS,U	3	1000X	2300	
	0745	1545	BLEN	1222.0	1239.2	III	GG,RS,U	3	1000X	2300	
	0737	1451	ONDR	1222.4	1240.1	DCIM	GG,FS	3	800X	1750	
			POTS	1234.1	1237.5U	II	F	2	40X	45U	
			POTS	1234.2	1238.3	II	SH,H	2	55	90U	
			POTS	1253.0	1253.3	III	B	3	40X	170U	
			POTS	1254.2	1255.1	III	G	2	40X	170U	
			POTS	1257.2	1257.5	III	B	2	40X	130	
			ONDR	1321.5	1322.2	DCIM	G	2	1170	1695	
			BLEN	1321.8	1322.5	III	GG,RS	3	1100	1950	
			POTS	1344.8	1345.6	III	G	2	40X	70	
			POTS	1355.2	1356.4	III	GG,RS	2	40X	170U	
			POTS	1357.2	1359.0	III	G	2	110U	170U	
			POTS	1432.7	1432.9	III	B	1	40X	55	
			POTS	1456.3	1456.5	III	G	2	110U	160	
	2030	2400	CULG								
	2126	2400	HIRA								
12			LEAR	0030.0	0031.0	III		2	30	80	
	0000	0745	CULG	0030.0	0034.0	III	G	1	20	150	
			LEAR	0158.0	0203.0	III		2	30	80	
			PALE	0158.0	0159.0	III		1	30	45	
			CULG	0200.0	0204.0	III	G	1	20	90	
			CULG	0403.0	0411.0	II	FN	3	35	90	
			CULG	0403.0	0412.0	II	SH	3	60	180	ESS 800
			CULG	0403.0	0435.0	IV		1	50	500	
			HIRA	0405.4	0407.8	II	SH	3	80	150	ESS 750
	0000	0818	HIRA	0405.4	0407.2	II	FN	3	50	80	ESS 750
			CULG	0406.0	0410.0	III	G	1	18	250	
			LEAR	0406.0	0407.0	III		3	30	80	
			LEAR	0406.0	0417.0	II		1	30	80	ESS 0700
			CULG	0412.0	0419.0	II	FN	3	30	70	
			CULG	0412.0	0419.0	II	SH	3	60	140	ESS 800
			LEAR	0412.0	0536.0	IV		3	30	80	
			HIRA	0412.2	0415.8	II	FN	3	40	70	ESS 750
			HIRA	0412.2	0416.6	II	SH	3	60	120	ESS 750
			CULG	0413.0	0415.0	III	G	1	18X	180	
			CULG	0419.0	0421.0	III	G	3	20	110	
			HIRA	0419.6	0421.6	IV		2	50	170	
			CULG	0422.0	0432.0	UNCLF		2	110	180	
			CULG	0423.0	0427.0	UNCLF		2	28	80	
	0649	1200	IZMI								
	0735	1455	ONDR								
	0740	1545	BLEN								
	0713	1458	POTS	0940	0941	I		1	110U	120	
			POTS	1349	1350	I	S	1	120	160	
	2030	2400	CULG								
	2125	2400	HIRA								
13	0000	0819	HIRA								
	0000	0745	CULG	0403.0	0405.0	III	G	1	60	140	
	0646	1200	IZMI								
	0733	1458	ONDR								
	0740	1545	BLEN								
	0713	1501	POTS	0803	1501 U	I	S,C,DC	2	40X	170U	
			POTS	1300.2	1308.3	III	GG	2	40X	170U	
	2030	2400	CULG	2230.0	2231.0	III	G	1	120	180	
	2124	2400	HIRA	2230.4	2230.6	III	B	1	110	220	

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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
13			CULG	2242.0	2243.0	III	G	1	18	140	
			HIRA	2242.2	2242.4	III	B	1	80	140	
14	0000	0745	CULG								
	0000	0820	HIRA								
	0702	1200	IZMI								
	0731	1458	ONDR								
	0740	1545	BLEN								
	0713	1503	POTS	0806	1503 U	I	S,W	1	110U	170U	
			POTS	1428.6	1429.2	III	G	2	110U	170U	
	2030	2400	CULG								
	2123	2400	HIRA								
15	0000	0745	CULG								
	0000	0821	HIRA								
	0729	1502	ONDR								
	0740	1545	BLEN								
	0646	1443	POTS	0937.8	0938.4	III	G	2	110U	170U	
	0705	1200	IZMI	0937.8	0939.1	III	G	2	70	270X	
			POTS	0942.9	0943.3	III	G	2	60	170U	
			IZMI	0943.0	0944.1	III	G	2	55	145	
			IZMI	1158.5	1158.8	III	G	2	150	255	
			POTS	1158.6	1158.7	III	B	2	150	250U	
			POTS	1203	1212	I	S	2	110U	130	
			POTS	1255	1257	I	S,W	1	150	170U	
			POTS	1312.6	1312.9	III	G	2	110U	160	
			POTS	1350	1352	I	S	1	150	170U	
			POTS	1420.5	1422.7	III	GG	2	40X	170U	
			POTS	1442.0	1442.3	III	G	1	110U	170U	
	2030	2400	CULG								
	2306	2400	HIRA								
16			LEAR	0040.0	0041.0	III		2	30	80	
			PALE	0040.0	0041.0	III		1	25	55	
	0000	0745	CULG	0040.0	0041.0	III	G	2	18X	150	
	0000	0822	HIRA	0040.6	0040.8	III	B	1	25X	140	
			CULG	0317.0	0320.0	III	G	1	50	130	
			LEAR	0317.0	0318.0	III		1	30	55	
			CULG	0556.0	0556.0	III	B	1	18	70	
	0700	1200	IZMI	0718.9	0719.5	III	G,U	2	40	260	
			CULG	0719.0	0720.0	III	G	2	20	220	
			IZMI	0719.0	0720.3	V	G	2	45	160U	
			LEAR	0719.0	0720.0	III		3	30	80	
			SVTO	0719.0	0719.0	V		1	35	85	
	0714	1507	POTS	0719.0	0719.7	III	G	2	40X	135	
			HIRA	0719.2	0719.6	III	B	2	40	200	
	0726	1502	ONDR								
			IZMI	0726.6	0726.9	III	G	1	160	270X	
			POTS	0833.0	0833.1	III	G	1	130	170U	
			POTS	0840	1507 U	I	S,W	1	110U	170U	
			IZMI	0845.0	0845.3	III	G	1	150	245	
			POTS	0845.2	0845.4	UNCLF		2	155	170U	
			IZMI	0848.2	0848.3	III	B,U	1	185	215	
			IZMI	1000.8	1001.8	III	G	2	50	85	
			POTS	1000.8	1001.1	III	G	1	40X	70	
			IZMI	1023.9	1024.0	III	B	2	45	175	
			POTS	1024.0	1024.1	III	B	2	40X	170U	
			IZMI	1025.7	1025.9	III	G	2	45	120	
			IZMI	1149.0	1149.3	III	G,U	2	25X	270X	
			POTS	1149.0	1149.7	III	G,RS	3	40X	300U	
			SVTO	1149.0	1149.0	III		1	35	85	
			IZMI	1149.2	1149.8	V	G	2	50	160	
			POTS	1149.4U	1149.8	V		3	40X	70	
	1255	1545	BLEN								
			POTS	1326.1	1326.3	III	G	1	110U	170U	
			POTS	1404.1	1404.4	III	G	1	110U	170U	
			POTS	1405.1	1405.2	III	G	1	110U	170U	
			POTS	1406.1	1409.3	III	G	2	40X	170U	
			PALE	1924.0	1925.0	III		2	25	75	

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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
16			SGMR	1924.0	1925.0	III		3	30	80	
	2030	2400	CULG	2128.0	2129.0	III	G	1	30	160	
			CULG	2134.0	2136.0	III	G	2	20	160	
			PALE	2134.0	2134.0	III		1	25	55	
	2121	2400	HIRA	2134.2	2134.4	III	B	1	40	130	
			CULG	2224.0	2224.0	III	B	1	45	90	
			CULG	2343.0	2346.0	III	G	1	35	160	
17	0000	0745	CULG								
	0000	0800	HIRA								
	0724	1503	ONDR								
	0713	1509	POTS	0742	1509 U	I	S	1	110U	250U	
			POTS	0843.2	0843.3	III	B	1	110U	170U	
	0930	1530	BLEN								
	0646	1200	IZMI	1024.2	1024.7	I	GG	1	225	255	
			SVTO	1057.0	1305.0	CONT		1	35	64	
			POTS	1327.3	1327.4	III	B	1	50	170U	
			POTS	1408.8	1409.3	III	G	1	135	170U	
			POTS	1423.1	1429.8	III	GG	2	40X	170U	
			SVTO	1437.0	1437.0	III		1	36	77	
			POTS	1437.7	1438.3	III	G	3	40X	170U	
			POTS	1443.2	1444.3	III	G	2	110U	170U	
			POTS	1445.2	1446.0	III	G	2	40X	150	
			PALE	1852.0	1905.0	II		2	25	75	ESS 0700
			PALE	2024.0	2040.0	III		3	25	75	
			CULG	2025.0	2040.0	II	FN	3	25U	90	
			SGMR	2025.0	2033.0	III		2	30	80	
	2020	2400	CULG	2025.0	2040.0	II	SH	3	26U	180	ESS 800
			CULG	2038.0	2049.0	II	FN	3	25U	70	
			CULG	2038.0	2049.0	II	SH	1	40	150	ESS 550
			PALE	2043.0	2047.0	III		2	25	38	
			CULG	2050.0	2400.0D	III	S	1	28	180	
	2120	2400	HIRA								
18	0000	0745	CULG	0000.0E	0319.0	III	S	1	28	170	
			CULG	0206.0	0209.0	III	G	2	18X	180	
			LEAR	0206.0	0208.0	III		3	30	80	
			PALE	0206.0	0208.0	III		1	25	75	
	0000	0823	HIRA	0206.0	0206.4	III	B	2	25X	170	
			CULG	0319.0	0745.0D	I	S	1	100	170	
			CULG	0539.0	0539.0	III	B	1	30	90	
			CULG	0645.0	0647.0	III	G	1	23	300	
			LEAR	0645.0	0647.0	III		2	30	80	
			HIRA	0645.4	0645.6	III	B	1	40	140	
	0722	1508	ONDR								
	0728	1200	IZMI	0728.0E	1200.0D	I	S	2	85	270X	
	0735	1530	BLEN								
	0713	0754	POTS	0737 E	0754 U	I	S,C,DC	2	110U	170U	
			IZMI	0748.5	0749.2	III	G	1	45	135	
			IZMI	0756.0	0756.3	III	G,HARM	2	45	150	
			LEAR	0756.0	0809.0	III	N	1	30	80	
			IZMI	0756.3	0756.5	V		2	55	65	
	0801	1457	POTS	0801 E	1457 U	I	S,C,DC	2	110U	350U	
			IZMI	0806.5	0809.2	III	GG	2	45X	150	
			POTS	0806.6	0808.6	III	GG	2	75	170U	
			IZMI	0847.6	0847.7	III	B	1	45	65	
			IZMI	0913.6	0915.7	II		1	120	180	
			POTS	0918.5	0949 U	II	SH,H	3	40X	170U	
			IZMI	0918.6	0935.9	II	HARM	2	35	175	
			LEAR	0919.0	0951.0	II		2	35	80	ESS 0800
			SVTO	0919.0	0951.0	II		2	35	85	ESS 1400
			IZMI	0919.5	0924.5	III	N	2	30	95	
			POTS	0919.5	0924.9U	II	F	2	40X	75U	
			LEAR	0923.0	0925.0	III		3	30	80	
			IZMI	0934.0U	0938.0U	I	GG	2	45	65	
			IZMI	0936.7	0947.3	II	HARM	1	40	175	
			POTS	1341.7	1341.9	III	B	1	40X	70	
			POTS	1409.0	1410.3	III	G	3	50	170U	
			PALE	1938.0	1944.0	III		2	25	75	

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Day	OBSERVATION Start (UT)	OBSERVATION End (UT)	Sta	EVENT Start (UT)	EVENT End (UT)	Spectral Class	Event Remarks	Int (1-3)	FREQUENCY Lower (MHz)	FREQUENCY Upper (MHz)	Remarks
18	2119	2400	HIRA								
	2030	2400	CULG	2126.0	2126.0	III	B	1	25	45	
			CULG	2130.0	2130.0	III	B	1	23	90	
			CULG	2228.0	2228.0	III	B	1	18	100	
19			LEAR	0426.0	0427.0	III		2	30	80	
	0000	0745	CULG	0427.0	0427.0	III	B	1	18	180	
	0000	0824	HIRA	0427.0	0427.2	III	B	1	50	160	
	0720	1509	ONDR								
	0735	1530	BLEN								
	0713	1512	POTS	0737	1512 U	I	S,C	2	110U	170U	
			POTS	0832.9	0833.6	III	G,U	2	120	170U	
	0655	1200	IZMI	0833.0	0833.5	III	G	2	120	180	
			SVTO	0835.0	0836.0	III		1	35	85	
			IZMI	0837.0	0837.3	III	G	2	185	270	
			LEAR	0840.0	0858.0	II		1	40	65	ESS 0600
			IZMI	0840.4	0847.8	II	HARM	2	38	135	
			POTS	0840.4	0857 U	II	SH	3	40X	140	
			LEAR	0844.0	0848.0	III		2	35	80	
			SVTO	0844.0	0858.0	II		1	35	85	ESS 1200
			POTS	0844.7	0845.4U	II	F	2	40X	55	
			IZMI	0852.1	0855.8	II		2	40	65	
			IZMI	0950.0U	1200.0U	I	N	1	90	180	
			IZMI	1143.7	1143.8	III	B	1	30	45	
			POTS	1317.6	1317.7	III	B	2	110U	135	
	2030	2400	CULG	2117.0	2117.0	III	B	1	20	50	
	2118	2400	HIRA								
			CULG	2302.0	2303.0	III	G	1	35	90	
			CULG	2309.0	2311.0	III	G	1	23	110	
20			LEAR	0549.0	0549.0	III		1	30	42	
			SVTO	0617.0	0618.0	III		1	35U	80U	
			LEAR	0618.0	0631.0	III	N	2	30	80	
	0000	0745	CULG	0618.0	0619.0	III	G	1	35	90	
			CULG	0625.0	0625.0	III	B	1	23	120	
			CULG	0630.0	0630.0	III	B	1	40	90	
	0000	0825	HIRA	0658.4	0658.6	III	B	2	100	260	
			CULG	0659.0	0659.0	III	B	1	80	260	
	0703	1200	IZMI	0714.2	0714.3	III	B	2	265	270X	
	0717	1511	ONDR								
			IZMI	0717.5	0717.7	III	G	2	200	255	
			IZMI	0732.0	0732.0	III	G	1	135	250	
	0713	1513	POTS	0735	1513 U	I	S,W	1	110U	300U	
	0735	1530	BLEN								
			POTS	0744.0	0744.1	III	B	1	140U	170U	
			IZMI	0753.1	0755.6	III	GG	1	45	150	
			POTS	0753.4	0754.5	III	G	2	110U	160	
			IZMI	0757.4	0759.7	III	G	1	45	135	
			POTS	0758.0	0759.6	III	GG	2	110U	140	
			LEAR	0848.0	0851.0	III		2	30	80	
			SVTO	0848.0	0852.0	III		1	35	79	
			IZMI	0848.8	0851.1	III	G	1	40	120	
			IZMI	0930.6	0931.1	III	G	1	95	140	
			POTS	0930.7	0930.8	III	B	2	110U	150	
			IZMI	1010.7	1010.8	I	G	1	240	255	
			POTS	1034.1	1037.5	III	GG	2	110U	170U	
			POTS	1049.4	1049.5	III	B	1	110U	170U	
			POTS	1137.4	1138.3	III	G	2	110U	170U	
			SVTO	1141.0	1145.0	III		1	38	83	
			IZMI	1141.8	1141.9	III	G,FS	2	38	140	
			POTS	1141.8	1142.2	III	G	2	40X	170U	
			IZMI	1141.9	1142.1	V		2	45	105	
			POTS	1145.0	1146.8	III	G	3	40X	250U	
			IZMI	1145.2	1146.6	III	GG	2	55	150	
			IZMI	1147.8	1148.4	III	G	2	45	145	
			POTS	1147.8	1148.9	III	G	2	40X	250U	
			POTS	1149.9	1150.0	III	B	1	110U	160	
			POTS	1320.4	1320.5	III	G	1	110U	140	
			POTS	1327.3	1327.7	III	G	2	110U	140	

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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			POTS	1331.3	1332.1	III	G	2	110U	170U	
			POTS	1355.4	1355.5	III	B	1	110U	170U	
			POTS	1356.3	1356.7	III	G	1	40X	170U	
			POTS	1358.6	1358.7	III	B	1	110U	150	
			POTS	1454.5	1454.6	III	B	1	110U	170U	
			PALE	1934.0	1934.0	III		1	25	50	
			PALE	2024.0	2058.0	III	N	1	25	50	
			PALE	2206.0	2206.0	III		1	30	50	
	2030	2400	CULG	2206.0	2207.0	III	G	2	20	500	
			CULG	2207.0	2216.0	II	FN	1	50	90	
	2117	2400	HIRA	2207.4	2215.8	II		2	90	180	ESS 450
			CULG	2208.0	2216.0	II	SH	2	100	180	ESS 450
			CULG	2231.0	2231.0	III	B	1	30	90	
21	0000	0745	CULG	0007.0	0007.0	III	B	1	60	150	
			CULG	0024.0	0038.0	III	N	1	30	100	
			LEAR	0024.0	0024.0	III		1	30	55	
			LEAR	0026.0	0029.0	III		1	30	55	
			CULG	0058.0	0058.0	III	B	1	30	90	
			LEAR	0142.0	0212.0	III	N	1	30	55	
			CULG	0143.0	0144.0	III	G	1	30	80	
			CULG	0208.0	0221.0	III	N	1	23	140	
			LEAR	0214.0	0220.0	III		2	30	65	
			LEAR	0322.0	0322.0	III		1	30	55	
			LEAR	0345.0	0345.0	III		1	30	55	
			CULG	0421.0	0425.0	III	G	1	28	100	
			LEAR	0421.0	0511.0	III	N	3	30	80	
			CULG	0450.0	0453.0	III	G	2	18	280	
	0000	0826	HIRA	0451.4	0451.8	III	B	2	25X	240	
			CULG	0511.0	0511.0	III	B	1	30	100	
			LEAR	0645.0	0646.0	III		1	30	51	
	0646	1200	IZMI	0645.8	0646.2	III	G,HARM	1	50	140	
			IZMI	0700.8	0701.8	III	G	1	45	90	
	0715	1513	ONDR								
			LEAR	0717.0	0718.0	III		1	30	60	
			IZMI	0717.7	0718.1	III	G	1	50	140	
			CULG	0718.0	0718.0	III	B	1	25	140	
			IZMI	0721.5	0721.7	III	B	1	50	140	
			IZMI	0725.0U	0731.7	III	N	1	45	90	
	0735	1530	BLEN								
	0652	1518	POTS	0739.8	0739.9	III	B	1	110U	145	
			POTS	0745	1518 U	I	S	1	110U	250U	
			CULG	0745.0	0745.0	III	B	1	28	120	
			POTS	0748	1518 U	III	N	1	110U	170U	
			IZMI	0803.1	0807.5	III	GG,FS	2	30	160	
			LEAR	0804.0	0808.0	III		2	30	80	
			SVTO	0804.0	0805.0	III		1	35U	45U	
			POTS	0804.7	0808.1	III	GG	2	40X	170U	
			IZMI	0807.9	0808.0	III	B	1	50	95	
			IZMI	0818.2	0818.3	III	B	1	45	65	
			IZMI	0829.3	0833.72	III	G	1	45	90	
			LEAR	0845.0	0932.0	III	N	1	30	80	
			IZMI	0845.7	0846.2	III	G	2	55	270	
			POTS	0845.7	0846.3	III	G	2	75	170U	
			IZMI	0849.7	0850.1	III	G	2	45	85	
			IZMI	0903.0	0904.4	III	G	1	50	95	
			IZMI	0912.5	0912.6	III	B	1	145	175	
			POTS	0912.5	0913.2	III	G	2	110U	170U	
			IZMI	0914.2	0914.4	III	B	2	45	95	
			POTS	0914.2	0914.3	III	B	1	75	125	
			IZMI	0918.5	0918.6	III	B	2	45	95	
			IZMI	0932.3	0933.4	III	G	2	50	160	
			POTS	0932.4	0933.4	III	G	2	55	170U	
			IZMI	0942.5	0942.7	III	B	1	55	85	
			IZMI	1006.4	1007.2	III	G	1	45	110	
			POTS	1006.4	1006.6	III	G	2	40X	145	
			IZMI	1019.6	1020.4	III	G	2	55	270X	
			POTS	1019.6	1020.4	III	G,U	2	40X	275U	
			POTS	1023.5	1027.5	III	GG	2	40X	170U	

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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
21			IZMI	1024.0	1024.1	III	B	2	55	170	
			IZMI	1025.2	1027.3	III	GG	2	45	180	
			POTS	1029.0	1029.1	III	B	2	110U	140	
			IZMI	1029.5	1037.0	III	N	1	45	95	
			IZMI	1045.8	1046.1	III	B	2	55	160	
			POTS	1045.8	1046.0	III	G,RS	2	110U	170U	
			IZMI	1048.6	1115.0	I	S	1	200	245	
			IZMI	1051.6	1056.7	III	GG	2	45	95	
			POTS	1052.8	1054.0	III	G	2	40X	170U	
			IZMI	1053.6	1053.9	III	G	2	25X	215	
			POTS	1056.1	1056.7	III	G	2	40X	170U	
			POTS	1204.4	1205.2	III	G	3	110U	375U	
			POTS	1224.2	1225.1	III	G	2	40X	170U	
			POTS	1318.1	1319.2	III	G,U	2	110U	170U	
			POTS	1325.7	1326.3	III	B	2	40X	170U	
			SVTO	1326.0	1326.0	III		1	35	42	
			POTS	1346.7	1346.9	III	B	2	40X	170U	
			POTS	1416.0	1416.3	III	G,U	3	40X	170U	
			POTS	1435.5	1436.0	III	G,U	2	110U	140	
			PALE	1741.0	1743.0	III		2	25	75	
	2030	2400	CULG	2231.0	2341.0	III	S	1	23	300	
	2116	2400	HIRA	2238.0	2238.2	III	B	1	150	460	
22			LEAR	0136.0	0201.0	III	N	2	30	80	
	0000	0745	CULG	0136.0	0201.0	III	N	1	30	170	
			CULG	0258.0	0258.0	III	B	1	60	140	
			CULG	0309.0	0605.0	I	S	1	110	170	
			CULG	0442.0	0447.0	III	G	1	18X	180	
			LEAR	0443.0	0445.0	III		2	30	80	
			LEAR	0555.0	0559.0	III		3	30	80	
			CULG	0556.0	0600.0	III	G	2	18	140	
			SVTO	0556.0	0557.0	III		1	42	85	
	0000	0827	HIRA	0556.2	0558.0	III	G	2	40	120	
			CULG	0627.0	0630.0	III	G	1	23	180	
			LEAR	0627.0	0627.0	III		2	30	80	
	0646	1200	IZMI	0648.1	0655.0	III	N	1	45	90	
			LEAR	0656.0	0657.0	III		1	33	63	
			IZMI	0656.5	0657.1	III	G	2	45	90	
			CULG	0658.0	0745.0D	III	N	1	25	90	
			IZMI	0708.0U	1200.0D	I	S	2	95	270X	
			LEAR	0710.0	0710.0	III		1	30	70	
			IZMI	0710.6	0711.0	III	G	2	45	95	
			IZMI	0718.7	0719.1	III	G	2	50	95	
			IZMI	0728.8	0728.9	III	B	2	55	110	
	0652	1520	POTS	0731	1520 U	I	S,C,DC	2	40X	350U	
			POTS	0745.9	0746.1	III	B	2	110U	130	
			IZMI	0746.0	0746.8	III	G	2	55	135	
			IZMI	0749.7	0751.3	III	GG	2	55	140	
			IZMI	0838.1	0838.2	III	B	2	240	270X	
			IZMI	0844.5	0844.8	III	G	1	50	95	
			LEAR	0901.0	0902.0	III		2	30	80	
			SVTO	0901.0	0902.0	III		1	35U	76U	
			IZMI	0901.8	0902.0	III	B	2	45	130	
			POTS	0901.8	0902.1	III	G	2	40X	150	
			IZMI	0920.0	0920.1	III	B	2	45	95	
			LEAR	0941.0	0944.0	III		2	30	80	
			IZMI	0941.3	0943.9	III	GG	2	30	160	
			POTS	0941.4	0944.0	III	GG	3	40X	170U	
			SVTO	0942.0	0944.0	III		1	35	85	
			IZMI	0951.6	0951.9	III	G,HARM	1	45	135	
			POTS	0951.6	0951.8	III	G	2	40X	170U	
			POTS	0952.6	0952.7	III	B	2	110U	150	
			POTS	0957.7	0958.1	III	G	1	110U	170U	
			POTS	1000.7	1000.8	III	G	2	110U	170U	
			POTS	1001.8	1001.9	III	G	2	110U	170U	
			IZMI	1018.1	1018.2	III	B	1	45	95	
			IZMI	1018.2	1027.3	I	G,DC	2	130	162	
			IZMI	1052.5	1053.7	III	G	1	50	90	
			POTS	1052.5	1053.7	III	G	2	40X	120U	

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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
22			POTS	1057.8	1059.0	III	B	2	40X	170U	
			IZMI	1103.5	1104.5	III	G	2	50	180	
			POTS	1103.6	1104.5	III	G	2	40X	160	
			IZMI	1111.7	1111.9	III	B	2	55	170	
			POTS	1111.7	1111.8	III	B	2	40X	145	
	0713	1515	ONDR	1134.4	1136.4	DCIM	G,W	1	800X	2000X	
			IZMI	1134.5	1137.2	III	G	2	200	270X	
			SVTO	1148.0	1150.0	III		1	35	77	
			IZMI	1148.7	1152.3	III	GG	2	25X	120	
			POTS	1148.7	1150.2	III	B	3	40X	120U	
			POTS	1148.9	1149.4	V		3	40X	55	
			POTS	1152.1	1152.5	III	G	2	40X	120	
			SVTO	1222.0	1358.0	CONT		1	35	85	
			POTS	1222.2	1224.2	III	G	1	40X	90U	
			POTS	1225.2	1230.3	III	G	2	40X	90U	
			POTS	1230	1410	III	N	1	40X	90U	
			POTS	1230	1442	III	N	2	40X	90U	
			POTS	1238.0	1238.6	III	G	3	40X	70	
			SGMR	1238.0	1251.0	III		1	30	70	
			ONDR	1300.4	1301.2	DCIM	GG,SP	2	800X	2000X	
	0735	1530	BLEN	1300.6	1302.2	DCIM	C	2	1000X	1900	
			POTS	1334.2	1334.6	III	B	3	40X	70	
			SGMR	1345.0	1346.0	III		1	30	50	
			POTS	1345.7	1346.1	III	G	3	40X	90U	
			SGMR	1444.0	1450.0	III		2	30	80	
			SVTO	1444.0	1450.0	III		1	35	85	
			POTS	1444.6	1450.3	III	G	3	40X	170U	
			POTS	1450.3	1450.8	V		2	40X	65	
			POTS	1511.5	1511.6	III	B	3	40X	170U	
			PALE	1817.0	1817.0	III		1	30	70	
			SGMR	1817.0	1817.0	III		1	30	80	
	2030	2400	CULG	2030.0E	2400.0D	I	S	1	60	180	
			CULG	2033.0	2049.0	III	N	1	23	90	
			CULG	2122.0	2400.0D	III	N	1	20	160	
			PALE	2139.0	2140.0	III		1	25	40	
			LEAR	2309.0	2314.0	III		2	35	80	
			PALE	2309.0	2309.0	III		1	25	75	
			PALE	2328.0	2332.0	III		2	25	75	
			LEAR	2329.0	2332.0	III		3	30	80	
			CULG	2330.0	2331.0	III	G	3	18X	180	
23			CULG	0000.0E	0221.0	III	N	1	20	180	
	0000	0745	CULG	0000.0E	0745.0D	I	S	1	70	180	
			LEAR	0008.0	0432.0	CONT		2	30	80	
			PALE	0008.0	0100.0	III	N	1	25	75	
			LEAR	0402.0	0410.0	III		3	30	80	
			CULG	0403.0	0410.0	III	GG	2	18X	280	
	0003	0828	HIRA	0403.2	0410.0	III	G	2	30	280	
			LEAR	0524.0	0525.0	III		2	30	57	
			CULG	0525.0	0525.0	III	B	1	30	80	
			LEAR	0536.0	0958.0	III	N	3	30	80	
			HIRA	0536.4	0536.6	III	B	2	30	220	
			CULG	0537.0	0537.0	III	B	3	18X	200	
			CULG	0550.0	0551.0	III	G	1	28	180	
	0701	1200	IZMI	0701.0E	1200.0D	I	S	2	80	270	
			IZMI	0701.5	0701.6	III	B	2	45	95	
	0711	1517	ONDR								
			IZMI	0712.5	0712.7	III	B	2	45	95	
			CULG	0713.0	0713.0	III	B	1	28	90	
			SVTO	0716.0	0720.0	III		1	35	75	
			IZMI	0716.5	0717.0	III	G	2	25X	150	
	0617	1414	POTS	0716.6	0716.9	III	B	1	40X	70	
			CULG	0717.0	0721.0	III	G	2	20	120	
			IZMI	0717.7	0717.8	III	B	1	55	110	
			IZMI	0719.0	0721.1	III	GG	2	40	135	
			POTS	0730 E	1414 U	I	S,C,DC	2	80	350U	
			IZMI	0733.1	0733.7	III	G	1	55	95	
	0735	1530	BLEN								
			IZMI	0827.6	0827.7	III	B	1	55	95	

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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
23			IZMI	0830.5	0831.5	III	G	1	45	145	
			IZMI	0836.5	0837.5	III	G	1	45	95	
			IZMI	0839.9	0841.3	III	GG	2	40	125	
			IZMI	0846.0	0847.7	III	GG	2	30	145	
			SVTO	0846.0	0847.0	III		1	35	85	
			POTS	0846.7	0847.7	III	G,C	3	40X	170U	
			IZMI	0849.7	0850.8	I	GG	2	205	270X	
			IZMI	0936.4	0940.2	III	GG	2	35	110	
			POTS	0936.6	0939.1	III	G	2	40X	140U	
			POTS	0940	1223	III	N	1	40X	90U	
			IZMI	0956.3	0956.4	III	B	1	45	85	
			IZMI	0958.0	0958.2	III	G	2	40	65	
			POTS	0958.0	0958.3	III	G	2	40X	120	
			IZMI	1023.4	1023.5	III	B	1	45	70	
			IZMI	1027.8	1028.0	III	B	2	45	65	
			IZMI	1047.5	1047.9	III	G	2	35	100	
			POTS	1047.5	1048.0	III	G	2	40X	120	
			IZMI	1110.0	1110.2	III	G	2	30	65	
			POTS	1110.0	1110.2	III	B	2	40X	80	
			IZMI	1112.6	1115.8	III	GG	2	30	130	
			POTS	1112.9	1114.5	III	G	2	40X	170U	
			POTS	1115.1	1115.5	III	G	2	40X	170U	
			IZMI	1137.6	1137.9	III	B	2	45	95	
			SGMR	1254.0	1255.0	III		1	30	80	
			SVTO	1254.0	1255.0	III		1	35	85	
			POTS	1254.7	1255.1	III	B	3	40X	250U	
			POTS	1254.9	1255.3	V		3	40X	55	
			PALE	1719.0	1720.0	III		1	25	62	
			SGMR	1719.0	1720.0	III		2	30	70	
			PALE	1900.0	1901.0	III		1	25	65	
			PALE	2004.0	2010.0	III		1	25	55	
	2030	2400	CULG	2050.0	2055.0	III	G	1	60	180	
			CULG	2103.0	2108.0	III	G	1	23	180	
			PALE	2106.0	2107.0	III		1	25	46	
			CULG	2128.0	2129.0	III	G	2	20	120	
			PALE	2128.0	2129.0	III		2	25	55	
	2114	2400	HIRA	2128.2	2128.4	III	B	1	25X	80	
			CULG	2129.0	2137.0	III	G	1	23	50	
			CULG	2141.0	2141.0	III	B	1	60	200	
			CULG	2257.0	2350.0	I	S	1	120	170	
			CULG	2303.0	2304.0	III	G	1	30	70	
			CULG	2351.0	2351.0	III	B	1	25	80	
24			LEAR	0017.0	0019.0	III		2	30	80	
			PALE	0017.0	0019.0	III		1	25	75	
	0000	0745	CULG	0018.0	0021.0	III	G	1	20	160	
			CULG	0120.0	0124.0	UNCLF		1	130	180	
			CULG	0229.0	0442.0	I	S	1	120	170	
			LEAR	0326.0	0339.0	III	N	3	30	80	
			PALE	0331.0	0332.0	III		1	35	75	
			CULG	0332.0	0333.0	III	G	2	18X	150	
	0000	0829	HIRA	0332.0	0337.6	III	G	2	25X	140	
			CULG	0336.0	0339.0	III	G	1	18	150	
			CULG	0446.0	0446.0	III	B	1	18	90	
			LEAR	0446.0	0446.0	III		2	30	70	
	0659	1200	IZMI	0659.0	1200.0D	I	S,C	2	180	270X	
			IZMI	0700.3	0700.5	III	B,HARM	2	45	165	
			IZMI	0718.0	0719.8	III	G	1	55	120	
	0652	1510	POTS	0728 E	1510 U	I	S,C	2	110U	250U	
			IZMI	0757.5	0757.6	III	B	1	45	85	
			IZMI	0807.6	0807.7	III	B	1	55	70	
			IZMI	0816.1	0816.2	III	B,HARM	1	65	145	
			IZMI	0855.9	0857.0	III	G	2	110	175	
			POTS	0855.9	0856.6	III	G,U	3	110U	170U	
			IZMI	0900.8	0900.9	III	B	1	45	65	
			IZMI	0940.8	0941.0	III	G	2	50	100	
	0709	1520	ONDR	0951.2	0953.2	DCIM	G,W	1	2070	4500X	
			IZMI	1017.7	1018.6	III	G	2	25	95	
			POTS	1018.2	1018.4	III	B	2	40X	70	

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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
24			IZMI	1026.7	1026.8	III	B	1	45	70	
			IZMI	1138.4	1138.6	III	B	2	135	250	
			IZMI	1150.1	1150.4	III	G	1	120	180	
			POTS	1150.3	1150.5	III	G	2	115	170U	
			IZMI	1155.0	1155.2	III	G	2	90	135	
			POTS	1155.0	1155.4	III	G	2	110U	170U	
			POTS	1157.4	1157.5	III	B	1	110U	170U	
			POTS	1214.3	1214.6	III	G,U	2	110U	170U	
			POTS	1244.1	1244.3	III	B	2	40X	70	
			POTS	1339.3	1339.5	III	B	2	110U	160	
			SGMR	1356.0	1357.0	III		1	30	50	
			POTS	1356.9	1357.6	III	G	3	40X	150	
			SVTO	1357.0	1357.0	III		1	35	46	
			POTS	1400.5	1400.9	III	G	1	110U	170U	
			POTS	1402.9	1403.1	III	B	2	40X	145	
			POTS	1405.8	1406.5	III	G	2	40X	170U	
			POTS	1414.9	1414.9	III	B	1	40X	70	
			ONDR	1436.5	1440.5	DCIM	G	1	835	2000X	
			ONDR	1437.0	1439.4	DCIM	G	1	2000X	4500X	
	0745	1530	BLEN	1437.1	1442.5	DCIM	C	1	1000	2800X	
			SGMR	1602.0	1602.0	III		1	30	60	
	2030	2400	CULG	2123.0	2123.0	III	B	1	75	250	
			CULG	2149.0	2149.0	III	B	1	25	150	
			CULG	2157.0	2159.0	III	G	1	60	180	
	2112	2400	HIRA	2158.2	2158.4	III	B	1	80	200	
			CULG	2334.0	2334.0	III	B	1	20	80	
25	0000	0745	CULG	0205.0	0205.0	III	B	1	55	150	
			LEAR	0250.0	0251.0	III		1	30	52	
			CULG	0258.0	0258.0	III	B	1	60	170	
			LEAR	0455.0	0458.0	III		3	30	80	
			CULG	0456.0	0501.0	III	GG	1	23	230	
	0000	0830	HIRA	0456.2	0457.4	III	G	1	50	200	
			CULG	0504.0	0511.0	UNCLF		1	65	180	
			CULG	0514.0	0515.0	III	G	1	55	140	
	0646	1200	IZMI	0651.0U	1200.0D	I	S	2	120	270X	
			IZMI	0759.4	0759.5	III	G	2	120	160	
	0730	1530	BLEN	0855.1	0900 U	DCIM	P	1	1000X	2800X	
	0706	1522	ONDR	0855.2	0918.0	DCIM	GG	2	800X	2000X	
			IZMI	0857.9	0859.7	III	GG	2	38	270X	
			LEAR	0858.0	0858.0	III		2	37	80	
			SVTO	0858.0	0859.0	III		1	35	85	
	0652	1534	POTS	0858.4	0859.0	III	G	2	40X	90U	
			IZMI	0900.7	0901.1	III	G	2	45	95	
			IZMI	0904.7	0904.9	III	G	2	50	160	
			IZMI	0920.7	0927.0	III	GG	2	45	270	
			IZMI	0943.0U	1200.0D	III	N	1	45	90	
			IZMI	1029.4	1029.5	III	B	1	140	245	
			IZMI	1103.5	1107.4	III	GG,FS	2	42	180	
			POTS	1103.6	1106.6	III	G	2	40X	90U	
			SVTO	1129.0	1129.0	III		1	35	77	
			IZMI	1129.1	1129.5	III	G	2	30	170	
			POTS	1129.2	1129.7	III	B	3	40X	90U	
			IZMI	1129.3	1134.9	V		2	30	85	
			IZMI	1132.9	1134.9	III	G	2	45	160	
			POTS	1134.6	1134.9	III	G	2	40X	90U	
			POTS	1156.5	1206.7	III	GG	2	40X	90U	
			SVTO	1203.0	1222.0	III	N	1	35	83	
			POTS	1211.3	1224.3	III	GG,RS	2	40X	250U	
			POTS	1227 E	1400 U	I	S	2	110U	170U	
			SGMR	1316.0	1317.0	III		1	30	80	
			SVTO	1316.0	1318.0	III		1	35	85	
			POTS	1316.5	1317.5	III	G,C	3	40X	170U	
			POTS	1411.0	1411.9	III	G	2	40X	150	
			SGMR	1424.0	1426.0	III		1	30	80	
			SVTO	1424.0	1427.0	III		2	35	85	
			POTS	1424.4	1430.1	III	GG	3	40X	170U	
	2030	2400	CULG	2038.0	2043.0	III	G	1	23	160	
			PALE	2039.0	2040.0	III		1	25	62	

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25			SGMR	2039.0	2040.0	III		1	30	70	
	2111	2400	HIRA								
			CULG	2240.0	2301.0	III	N	1	60	170	
26			LEAR	0012.0	0014.0	III		2	30	80	
			PALE	0012.0	0012.0	III		1	25	40	
	0000	0745	CULG	0012.0	0017.0	III	G	1	28	180	
	0000	0551	HIRA	0012.6	0015.4	III	G	1	50	240	
			CULG	0102.0	0102.0	III	B	1	55	90	
			CULG	0140.0	0142.0	III	G	1	60	180	
			CULG	0301.0	0301.0	III	B	1	60	180	
			CULG	0323.0	0402.0	III	N	1	28	240	
			LEAR	0323.0	0323.0	III		1	30	60	
			HIRA	0323.4	0326.2	III	G	1	50	240	
			HIRA	0355.0	0356.2	III	G	2	50	240	
			LEAR	0355.0	0356.0	III		2	30	80	
			CULG	0543.0	0544.0	III	G	1	28	170	
			LEAR	0543.0	1039.0	III	N	2	30	80	
			HIRA	0543.8	0544.0	III	B	2	50	170	
			CULG	0551.0	0615.0	III	N	1	25	180	
			CULG	0650.0	0745.0D	III	N	1	23	260	
			SVTO	0650.0	0650.0	III		1	35	85	
	0700	1200	IZMI	0700.0E	1200.0D	I	S	2	150	270	
	0704	1522	ONDR								
			IZMI	0705.5	0706.4	III	GG	2	45	270X	
			IZMI	0707.7	0708.5	III	G	3	40	175	
			SVTO	0708.0	0708.0	III		1	36	80	
	0652	1534	POTS	0708.3	0708.4	III	B	1	40X	90U	
			IZMI	0725.2	0727.2	III	G	2	45	160	
	0730	1605	BLEN								
			IZMI	0730.0U	1200.0D	III	N	1	45	135	
			IZMI	0740.8	0741.3	III	G	2	45	110	
			IZMI	0752.0	0752.3	III	G	2	45	115	
			LEAR	0800.0	0901.0	CONT		1	30	80	
			SVTO	0807.0	1613.0	CONT		1	35	85	
			IZMI	0826.9	0840.4	III	S	2	45	270X	
			IZMI	0835.5	0841.6	III	GG,DS	2	45	90	
			IZMI	0836.4	0836.8	III	G	2	40	170	
			POTS	0836.4	0853.2	III	GG	2	40X	90U	
			LEAR	0840.0	0850.0	II		2	30	80	ESS 0400
			IZMI	0843.3	0855.1	III	S,DS	2	40	160	
			IZMI	0848.4	0849.3	III	G	2	40	180	
			IZMI	0901.6	0902.3	III	GG	2	45	270X	
			IZMI	0934.6	0935.1	III	G	2	35	170	
			POTS	0934.7	0935.0	III	G,RS	2	40X	90U	
			IZMI	0955.5	0956.1	III	G	2	35	180	
			POTS	0955.7	0956.6	III	G	2	40X	90U	
			IZMI	0956.1	0956.5	V		2	45	70	
			IZMI	1104.7	1107.0	III	G	2	40	95	
			POTS	1105 E	1240 U	I	S	2	200U	400U	
			POTS	1107.0	1107.1	III	B	1	40X	90U	
			IZMI	1113.4	1113.7	III	G	2	55	270	
			POTS	1115.8	1117.1	III	G	2	40X	90U	
			IZMI	1116.2	1116.7	III	GG	2	45	225	
			IZMI	1128.3	1200.0D	III	S	2	25	160	
			POTS	1129.5	1139.5	III	GG	2	40X	90U	
			POTS	1140	1430	III	N	1	40X	90U	
			POTS	1146.5	1422	III	N	2	40X	90U	
			POTS	1228 E	1417 U	I	S,C	2	110U	170U	
			POTS	1244.5	1245.0	III	G	2	40X	170U	
			POTS	1246.8	1247.9	III	G	2	40X	170U	
			POTS	1317.1	1317.2	III	B	2	110U	170U	
			POTS	1326.0	1329.5	III	G	2	40X	170U	
			PALE	1819.0	1819.0	III		1	30	50	
			PALE	1937.0	1937.0	III		2	25	75	
			SGMR	1937.0	1937.0	III		1	30	55	
	2030	2400	CULG	2030.0E	2303.0	III	S	2	20	170	
			PALE	2051.0	0418.0	CONT		1	25	65	
			CULG	2336.0	2343.0	III	GG	2	18X	180	

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26			LEAR	2336.0	2342.0	III		3	30	80	
			PALE	2336.0	2339.0	III		3	25	70	
			CULG	2355.0	2400.0D	CONT		1	60	360	
			LEAR	2356.0	0420.0	CONT		1	30	80	
27	0000	0745	CULG	0000.0E	0015.0	CONT		1	40	260	
			CULG	0007.0	0007.0	III	B	1	18	90	
			CULG	0032.0	0036.0	III	G	1	20	260	
			LEAR	0032.0	0035.0	III		2	30	80	
			CULG	0103.0	0313.0	III	N	1	23	170	
			CULG	0116.0	0745.0D	I	S	1	60	160	
			CULG	0205.0	0207.0	III	G	3	20	250	
			LEAR	0205.0	0226.0	III	N	3	30	80	
			PALE	0205.0	0206.0	III		2	25	75	
			LEAR	0306.0	0313.0	III		2	30	80	
			CULG	0326.0	0330.0	III	G	3	18X	290	
			LEAR	0326.0	0332.0	III		3	30	80	
			PALE	0326.0	0328.0	III		2	30	75	
			CULG	0615.0	0648.0	III	N	1	23	220	
			LEAR	0634.0	0647.0	III	N	2	30	80	
			SVTO	0646.0	0646.0	III		1	45	77	
	0652	1532	POTS	0652 E	1504	I	S	2	40X	400U	
	0702	1200	IZMI	0702.0E	1200.0D	I	S	2	85	270X	
			IZMI	0713.9	0716.5	III	GG	2	60	270X	
			IZMI	0739.5	0744.6	III	GG,HARM	2	45	270X	
			CULG	0740.0	0743.0	III	G	1	25	150	
			LEAR	0740.0	0743.0	III		1	30	80	
			IZMI	0746.0	0747.1	III	GG	2	45	215	
			IZMI	0749.0U	0845.0	III	N	1	45	95	
			LEAR	0807.0	1039.0	III	N	2	30	80	
			IZMI	0815.8	0822.9	III	S	2	45	260	
			POTS	0816.4	0816.5	III	B	1	40X	90U	
			IZMI	0829.0	0831.7	III	G,C	3	25X	270X	
			LEAR	0829.0	0832.0	III		3	30	80	
			SVTO	0829.0	0832.0	III		2	35	85	
			POTS	0829.1	0830.8	III	G	3	40X	170U	
	0702	1526	ONDR	0829.3	0830.1	DCIM	GG	2	800X	2000X	
			POTS	0830.2	0831.8	V		3	40X	70	
			LEAR	0844.0	1002.0	CONT		1	30	80	
			IZMI	0845.0U	1118.0U	III	S	2	40	170	
			SVTO	0845.0	1354.0	CONT		1	35	85	
			ONDR	0852.3	0853.1	DCIM	G,SP	1	875	1235	
			POTS	0907.8	0909.1	III	G	2	40X	90U	
			IZMI	0907.9	0912.3	III	GG	2	30	180	
			POTS	0911	1502	III	N	1	40X	90U	
			ONDR	0937.0	0937.2	DCIM	G,SP	1	805	1130	
			IZMI	0956.5	0959.7	III	GG	2	25X	270X	
			SVTO	0958.0	0959.0	III		1	35	85	
			POTS	0958.8	0959.7	III	G	3	40X	90U	
			POTS	1003.2	1003.3	III	B	2	50	75	
			ONDR	1006.0	1009.3	DCIM	G,SP	1	805	1230	
			POTS	1050 E	1500	I	S	2	110U	400U	
			SVTO	1138.0	1139.0	III		1	35	85	
			IZMI	1138.4	1139.3	III	G,C	2	35	270X	
			POTS	1138.5	1139.4	III	G	3	40X	325U	
			IZMI	1142.6	1143.0	UNCLF		2	125	220	
			POTS	1150.6	1151.1	III	G	2	40X	90U	
			POTS	1216.7	1217.5	III	G	2	40X	170U	
			POTS	1221.1	1221.4	III	B	2	40X	90U	
			POTS	1240.0	1240.2	III	B	2	80	160	
			POTS	1250.0	1250.3	III	G	2	40X	90U	
			POTS	1300.6	1300.7	III	B	1	110U	160	
			POTS	1306.6	1307.7	III	G	3	40X	170U	
			SGMR	1421.0	1448.0	III	N	2	30	80	
			SVTO	1421.0	1426.0	III		2	35	85	
			POTS	1421.7	1425.1	III	GG	3	40X	170U	
			ONDR	1424.3	1425.3	DCIM	G	1	800X	1805	
	0730	1605	BLEN	1424.7	1425.4	III	G	2	1000X	1650	
			POTS	1425.0	1426.0	V		3	40X	65	

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27			POTS	1433.0	1433.4	III	G	2	40X	160	
			SVTO	1433.0	1433.0	III		1	65	76	
			SVTO	1433.0	1452.0	CONT		1	35	78	
			POTS	1447.1	1450.5	III	GG	3	40X	90U	
			SGMR	1911.0	1911.0	III		1	30	60	
	2030	2400	CULG	2256.0	2326.0	III	N	1	23	260	
			LEAR	2259.0	2300.0	III		1	35	70	
			LEAR	2312.0	2326.0	V		1	30	80	
28			LEAR	0252.0	0253.0	III		2	30	65	
	0000	0745	CULG	0252.0	0253.0	III	G	1	35	240	
	0039	0833	HIRA	0252.4	0252.8	III	B	1	40	260	
			CULG	0359.0	0401.0	III	G	2	20	230	
			LEAR	0359.0	0446.0	III	N	3	30	80	
			HIRA	0359.2	0359.4	III	B	1	40	220	
			CULG	0408.0	0447.0	III	N	1	28	230	
			CULG	0436.0	0438.0	III	G	2	18	230	
			HIRA	0436.2	0439.6	III	G	3	25X	600	
			CULG	0439.0	0440.0	III	G	3	18	260	
	0659	1527	ONDR								
	0700	1200	IZMI	0700.0E	1200.0D	I	S	2	120	270X	
			LEAR	0725.0	0726.0	III		1	30	51	
			IZMI	0725.5	0725.6	III	B	1	60	110	
			CULG	0726.0	0726.0	III	B	1	25	60	
	0730	1605	BLEN								
			LEAR	0756.0	0756.0	III		1	30	80	
			SVTO	0756.0	0756.0	III		1	36U	45U	
			IZMI	0756.5	0756.7	III	B	2	45	160	
			LEAR	0807.0	0807.0	III		1	30	75	
			LEAR	0845.0	0846.0	III		2	30	80	
			SVTO	0845.0	0846.0	III		1	36	77	
	0652	1534	POTS	0845.8	0846.5	III	G	1	40X	90U	
			LEAR	0922.0	0931.0	III		3	30	80	
			SVTO	0922.0	0931.0	III		3	35	85	
			IZMI	0922.5	0922.9	III	G	3	25X	270X	
			POTS	0922.6	0922.9	III	B	3	40X	275U	
			IZMI	0922.8	0923.8	V		2	25X	170	
			POTS	0922.9	0923.8	V		3	40X	75	
			IZMI	0925.3	0932.4	III	GG	2	25	215	
			POTS	0925.9	0928.7	III	G	2	40X	120	
			POTS	0929	1502	III	N	2	40X	90U	
			IZMI	0946.0	0946.2	III	B	2	45	95	
			IZMI	0947.6	0948.0	III	G	2	45	270	
			IZMI	1022.6	1045.2	II	HARM	2	50	250	
			POTS	1023.5	1024.8	UNCLF		2	40X	90U	
			IZMI	1023.6	1023.9	III	G	2	45	175	
			POTS	1026.8	1030.8	II	UE,H	3	40X	90U	
			SVTO	1027.0	1034.0	II		2	66	85	ESS 1200
			IZMI	1033.7	1034.5	III	G	2	30	145	
			SVTO	1034.0	1034.0	III		1	35	45	
			POTS	1034.1	1034.6	III	G	2	40X	90U	
			POTS	1050	1415	I	S	2	40X	400U	
			IZMI	1050.8	1052.8	III	GG	2	40	245	
			IZMI	1055.7	1056.0	III	G,FS	2	45	170	
			IZMI	1058.4	1100.2	III	GG	2	45	180	
			IZMI	1102.6	1104.4	III	G	2	45	100	
			IZMI	1121.6	1121.8	III	G	2	40	270X	
			IZMI	1131.2	1131.3	III	B,HARM	2	45	270X	
			IZMI	1152.0	1154.3	III	GG	2	25X	245	
			SGMR	1153.0	1154.0	III		1	30	55	
			SVTO	1153.0	1154.0	III		2	35	83	
			POTS	1153.5	1154.4	III	G	3	40X	160	
			SVTO	1249.0	1450.0	CONT		1	35	80	
			SGMR	1300.0	1300.0	III		1	30	60	
			POTS	1357.6	1357.7	III	B	2	110U	170U	
			POTS	1409.5	1409.7	III	G	2	40X	170U	
			POTS	1426.9	1432.4	III	GG	2	40X	170U	
			SGMR	1430.0	1507.0	CONT		1	30	60	
			POTS	1437.4	1443.8	III	GG	2	40X	160	

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28			POTS	1506.0	1506.9	III	G	2	40X	170U	
			SVTO	1506.0	1506.0	III		1	38	80	
			PALE	1748.0	1750.0	III		1	25	65	
			PALE	1834.0	1838.0	III		1	25	75	
			SGMR	1834.0	1838.0	V		2	30	80	
			PALE	2018.0	2022.0	III		2	25	75	
			SGMR	2018.0	2022.0	III		2	30	80	
			SGMR	2118.0	2122.0	III		2	30	80	
	2030	2400	CULG	2125.0	2126.0	III	G	1	30	95	
			PALE	2214.0	2215.0	III		1	25	45	
			CULG	2215.0	2227.0	III	GG	2	20	180	
			PALE	2219.0	2226.0	III		1	25	75	
	2106	2400	HIRA	2220.8	2221.6	III	G	2	25X	260	
			CULG	2354.0	2359.0	III	G	1	20	130	
			LEAR	2358.0	2359.0	III		2	30	80	
			HIRA	2358.4	2358.6	III	B	1	50	160	
29			LEAR	0027.0	0035.0	III		1	30	80	
	0000	0745	CULG	0027.0	0028.0	III	G	1	30	90	
			CULG	0035.0	0035.0	III	B	1	30	90	
			CULG	0113.0	0113.0	III	B	1	28	90	
			LEAR	0113.0	0136.0	III	N	2	30	80	
			LEAR	0127.0	0550.0	CONT		2	30	80	
			CULG	0209.0	0446.0	III	N	1	23	160	
	0700	1200	IZMI	0700.0E	1200.0D	I	S	1	135	270X	
			IZMI	0728.8	0728.9	III	G,HARM	2	45	150	
	0730	1605	BLEN								
			IZMI	0744.3	0747.8	III	G	1	45	95	
			LEAR	0752.0	0829.0	III	N	2	30	80	
			IZMI	0752.3	0753.1	III	GG,FS	2	40	270	
	0000	0834	HIRA	0752.4	0755.2	III	G	1	50	300	
	0630	1551	POTS	0754	1500	III	N	1	40X	90U	
			SVTO	0754.0	0755.0	III		1	38	71	
			IZMI	0754.6	0755.3	III	GG,FS	2	40	270X	
			IZMI	0813.9	0814.0	III	B	2	85	135	
			IZMI	0821.0U	1200.0U	III	N	1	45	95	
			SVTO	0826.0	0828.0	III		1	35	85	
			IZMI	0826.9	0828.3	III	G	2	30	260	
			POTS	0827.1	0827.8	III	G	2	40X	90U	
	0657	1528	ONDR	0837.0	0837.2	DCIM	G	1	2000X	4255	
			IZMI	0913.7	0932.2	III	G	1	45	145	
			SVTO	0931.0	0950.0	III	N	1	35	85	
			LEAR	0942.0	0944.0	III		2	30	80	
			IZMI	0942.9	0944.8	III	GG	2	35	260	
			POTS	0943.2	0944.9	III	G	2	40X	90U	
			POTS	1047.5	1047.8	III	G	2	40X	90U	
			IZMI	1050.7	1051.8	III	GG	2	35	215	
			POTS	1050.8	1055.8	III	G	2	40X	90U	
			SVTO	1051.0	1435.0	CONT		1	35	80	
			IZMI	1055.3	1059.9	III	GG	2	30	170	
			POTS	1059.1	1100.0	III	G	2	40X	90U	
			POTS	1102 E	1401 U	I	S	2	110U	375U	
			IZMI	1107.6	1110.6	III	GG	2	35	160	
			POTS	1107.6	1107.7	III	B	2	40X	70	
			POTS	1110.5	1110.6	III	G	2	40X	70	
			IZMI	1112.8	1119.6	III	GG,RS	2	30	110	
			POTS	1113.2	1113.7	III	G	2	40X	90U	
			IZMI	1114.9	1117.3	I	GG,DC	2	60	70	
			POTS	1119.3	1119.7	III	G	2	40X	90U	
			IZMI	1124.6	1124.7	III	B	2	50	160	
			IZMI	1126.9	1127.0	III	G,RS	2	35	100	
			POTS	1126.9	1127.1	III	B	2	40X	90U	
			IZMI	1131.6	1131.8	III	G,RS	2	35	65	
			POTS	1131.6	1131.8	III	G,P	2	40X	90U	
			POTS	1135.7	1135.9	III	B	2	40X	70	
			IZMI	1143.3	1143.7	III	G	2	40	90	
			IZMI	1147.6	1148.8	III	G,C	2	30	100	
			POTS	1148.6	1236.1	III	GG	2	40X	90U	
			IZMI	1151.8	1155.1	III	GG	2	30	120	

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

FEBRUARY 2000

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			IZMI	1158.6	1200.0D	III	GG	2	40	95	
			SGMR	1303.0	1846.0	III	N	1	30	80	
			POTS	1303.1	1305.5	III	G	2	40X	60	
			POTS	1307.3	1307.4	III	B	2	110U	170U	
			POTS	1318.6	1318.7	III	B	2	110U	170U	
			POTS	1319.8	1323.1	III	GG,RS	3	40X	170U	
			POTS	1332.5	1333.0	III	G	2	40X	70U	
			POTS	1337.7	1339.4	III	GG,U	3	40X	170U	
			POTS	1340.2	1340.3	III	B	2	110U	145	
			SVTO	1454.0	1458.0	III		1	36	83	
			PALE	1845.0	1846.0	III		1	25	75	
	2105	2400	HIRA								
	2125	2400	CULG	2315.0	2345.0	III	N	1	30	80	

Event Remarks:

B = Single burst
C = Underlying 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
PALE = Palehua
POTS = Potsdam
SGMR = Sagamore Hill
SVTO = San Vito
BLEN = Bleien

NOTE: The sensitivity of the Potsdam receivers in the 40-90 MHz and 200-400 MHz was reduced during the entire month.