SOLAR RADIO EMISSION
Spectral Observations

AUGUST 2000

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			LEAR	0340.0	0342.0	V		1	25	180	
			LEAR	0340.0	0343.0	V		1	25	180	
			LEAR	0340.0	0351.0	III	N	1	25	180	
			PALE	0340.0	0343.0	III		1	25	175	
	0000	0710	CULG	0340.0	0343.0	III	G	2	23	170	
	0000	0944	HIRA	0340.0	0343.0	III	B	3	25X	330	
			CULG	0347.0	0353.0	II	SH	1	45	90	ESS 750
			LEAR	0347.0	0352.0	II		1	52	98	ESS 0588
			CULG	0348.0	0351.0	II	FN	1	35	50	
			CULG	0403.0	0403.0	III	B	1	40	90	
	0450	1755	BLEN	0455.5	0455.6	III	B	2	270	350	
	0625	1729	ONDR								
	0600	1200	IZMI	1030.7	1036.1	III	G	1	45	90	
			SVTO	1032.0	1032.0	III		1	37	50	
			BLEN	1323.8	1323.9	III	B,U	1	320	340	
			HOLL	1719.0	1719.0	III		1	25	86	
			SGMR	1719.0	1720.0	III		1	30	60	
			HOLL	1730.0	1733.0	III		1	25	138	
			SGMR	1730.0	1733.0	III		1	30	65	
	1943	2400	HIRA	2015.0	2016.0	III	B	2	80	330	
			HOLL	2116.0	2118.0	III		1	25	53	
			PALE	2116.0	2118.0	III		1	25	65	
			SGMR	2116.0	2118.0	III		1	30	50	
	2100	2400	CULG	2116.0	2119.0	III	G	1	30	90	
			CULG	2132.0	2133.0	III	G	1	100	150	
02	0000	0943	HIRA								
			LEAR	0105.0	0105.0	III		1	25	162	
	0000	0715	CULG	0105.0	0106.0	III	G	1	30	150	
			CULG	0404.0	0404.0	III	B	1	40	90	
			LEAR	0404.0	0406.0	III		1	56	98	
	0450	1755	BLEN								
			IZMI	0721.5	0721.6	III	G	2	145	270	
	0622	1728	ONDR	0809.2	0813.4	DCIM	G,W	1	2000X	4500X	
			IZMI	0857.3	0857.7	III	G	1	45	95	
			IZMI	1101.3	1101.4	III	B	1	50	90	
			HOLL	2220.0	2220.0	III		1	25	87	
			SGMR	2220.0	2220.0	III		1	30	65	
	1943	2400	HIRA	2220.0	2221.0	III	B	1	25X	200	
	2155	2400	CULG	2220.0	2220.0	III	B	1	30	80	
			HOLL	2251.0	2258.0	III		1	25	167	
			CULG	2252.0	2255.0	III	G	1	30	80	
			HIRA	2254.0	2258.0	III	G	1	30	320	
03	0000	0255	HIRA								
	0000	0715	CULG								
			LEAR	0356.0	0357.0	III		1	25	101	
			PALE	0356.0	0538.0	III		1	25	80	
	0450	1755	BLEN								
			SVTO	0515.0	0520.0	III		1	38	60	
			SVTO	0556.0	0557.0	III		1	68	74	
	0634	1726	ONDR								
			SVTO	0730.0	0730.0	III		1	37	55	
	0550	1200	IZMI	0730.1	0730.3	III	B	1	45	100	
			IZMI	0802.3	0803.6	III	G	1	45	95	
			SVTO	0803.0	0809.0	III		1	36	57	
			LEAR	0843.0	0858.0	UNCLF		1	71	180	
			IZMI	0843.2	0849.0	II	HARM,FS	2	50	160	
			IZMI	0844.5	0844.9	III	G	2	80	95	
			IZMI	0851.9	0852.9	UNCLF		1	55	65	
			IZMI	0853.9	0855.9	II	HARM	1	55	170	
			IZMI	0858.0	0858.3	UNCLF		1	55	62	
			IZMI	0907.7	0908.8	I	GG,DS	1	50	60	
			IZMI	1109.3	1109.7	III	GG	2	135	270X	
			IZMI	1132.3	1132.8	III	GG	2	60	270X	
			SVTO	1330.0	1331.0	III		1	35	62	
			SVTO	1440.0	1441.0	III		1	36	48	
			SVTO	1531.0	1531.0	III		1	70	80	
			HOLL	1719.0	1722.0	III		1	25	138	

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03			SGMR	1719.0	1726.0	III		1	30	80	
			PALE	1721.0	1723.0	III		1	25	93	
			SVTO	1721.0	1722.0	III		1	35	83	
			HOLL	1917.0	1920.0	III		1	25	162	
			PALE	1917.0	1920.0	III		1	25	88	
			SGMR	1917.0	1919.0	III		1	30	80	
			PALE	2031.0	2035.0	III		1	25	79	
			HOLL	2034.0	2035.0	III		1	25	59	
	2100	2400	CULG	2358.0	2359.0	III	G	1	60	150	
04	0000	0715	CULG	0012.0	0012.0	III	G	1	30	90	
			CULG	0153.0	0153.0	III	B	1	23	45	
			CULG	0255.0	0255.0	III	B	1	28	50	
			LEAR	0255.0	0343.0	III	N	1	25	128	
			CULG	0312.0	0401.0	III	N	1	28	120	
	0450	1755	BLEN								
			SVTO	0511.0	0512.0	III		1	35	48	
			CULG	0512.0	0512.0	III	B	2	23	60	
	0600	0941	HIRA								
	0620	1725	ONDR								
	0600	1200	IZMI	0945.8	0946.3	III	G	2	115	250	
			IZMI	1105.4	1105.5	III	B	1	45	70	
	1945	2400	HIRA								
	2100	2400	CULG								
05	0000	0715	CULG								
	0000	0940	HIRA								
	0450	1750	BLEN								
	0600	1200	IZMI	0624.4	0624.5	III	B	1	160	215	
	0642	1612	ONDR								
			IZMI	0940.0	0940.9	III	G	2	45	90	
			SVTO	0941.0	0941.0	III		1	35	78	
			IZMI	0941.1	0941.7	III	G	2	25X	180	
			IZMI	0941.2	0942.1	V	G	2	50	90	
			IZMI	1023.1	1023.8	III	G,C	2	120	265	
	1946	2400	HIRA								
	2100	2400	CULG	2156.0	2157.0	III	G	1	100	180	
			CULG	2247.0	2249.0	III	G	1	40	170	
06			LEAR	0035.0	0037.0	III		1	75	180	
	0000	0715	CULG	0036.0	0036.0	III	B	1	35	180	
			CULG	0141.0	0142.0	III	G	1	60	180	
			LEAR	0141.0	0142.0	III		1	87	180	
			LEAR	0208.0	0210.0	III		2	25	180	
			CULG	0209.0	0212.0	III	G	2	23	700	
	0000	0940	HIRA	0210.0	0211.0	III	B	3	25X	680	
			PALE	0249.0	0334.0	III	N	2	25	180	
			CULG	0305.0	0305.0	III	B	3	35	600	
			HIRA	0305.0	0306.0	III	B	3	40	620	
			LEAR	0305.0	0306.0	III		2	32	180	
			CULG	0310.0	0312.0	III	G	2	18	180	
			HIRA	0310.0	0312.0	III	G	2	25X	380	
			LEAR	0310.0	0312.0	III		3	25	180	
			LEAR	0320.0	0334.0	III	N	2	25	180	
			CULG	0321.0	0321.0	III	B	1	28	170	
			HIRA	0331.0	0335.0	III	G	3	25X	340	
			CULG	0333.0	0335.0	III	G	2	25	180	
			CULG	0423.0	0425.0	III	G	1	35	170	
			LEAR	0423.0	0424.0	III		1	38	159	
			CULG	0500.0	0715.0D	I	S	1	130	180	
			SVTO	0518.0	0527.0	III		1	35	60	
			CULG	0519.0	0521.0	III	GG	1	23	180	
			LEAR	0520.0	0546.0	III	N	1	31	178	
	0505	1750	BLEN	0547.5	0550.2	III	GG,S	3	220X	550X	
			LEAR	0548.0	0550.0	III		3	25	179	
			SVTO	0548.0	0550.0	III		2	35	85	
			CULG	0549.0	0551.0	III	G	1	23	300	
	0559	1200	IZMI	0559.0E	1200.0D	I	S	2	110	270X	
			CULG	0610.0	0612.0	III	G	1	28	170	

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06			LEAR	0610.0	0614.0	III		1	34	155	
			SVTO	0610.0	1736.0	III	N	2	35	85	
			IZMI	0610.1	0611.2	III	GG	2	45	170	
			IZMI	0617.9	0618.5	III	G	2	30	215	
			CULG	0618.0	0623.0	III	G	2	28	180	
			LEAR	0618.0	0622.0	III		2	25	180	
			IZMI	0620.0	0621.0	III	GG	2	25X	215	
			IZMI	0621.7	0622.5	III	GG,C	2	25	190	
			IZMI	0626.9	0629.8	III	N	1	30	95	
			CULG	0627.0	0630.0	III	B	1	28	80	
	0646	1612	ONDR								
			CULG	0657.0	0657.0	III	B	1	28	180	
			LEAR	0657.0	0702.0	III		1	25	180	
			IZMI	0700.9	0702.9	III	GG	2	25	180	
			CULG	0701.0	0701.0	III	G	1	28	180	
			CULG	0709.0	0709.0	III	B	1	40	140	
			LEAR	0709.0	0727.0	III	N	1	25	175	
			IZMI	0709.3	0709.5	III	G	1	45	270	
			IZMI	0717.9	0719.6	III	G	2	25X	170	
			LEAR	0730.0	0735.0	III		2	28	180	
			IZMI	0731.1	0734.6	III	GG,C	2	25	270X	
			LEAR	0753.0	0807.0	III	N	1	67	135	
			IZMI	0753.2	0753.6	III	G	2	45	100	
			LEAR	0807.0	0808.0	III		2	25	180	
			SVTO	0807.0	0809.0	III		2	35	85	
			IZMI	0807.1	0909.1	III	GG,C	2	25X	270X	
			BLEN	0807.3	0808.1	III	GG,RS	3	220X	390	
			HIRA	0807.5	0809.0	III	B	3	50	280	
			LEAR	0819.0	0921.0	III	N	1	73	180	
			IZMI	0840.5	0847.7	III	N	1	40	95	
			LEAR	0857.0	0859.0	III		2	32	180	
			IZMI	0857.8	0859.4	III	GG,C	2	25X	270X	
			HIRA	0858.0	0859.0	III	G	2	50	200	
			HIRA	0903.0	0905.0	III	G	2	60	220	
			LEAR	0903.0	0905.0	III		2	37	180	
			IZMI	0903.2	0904.0	III	GG	2	25X	245	
			BLEN	0903.3	0905.2	III	G,RS	3	220X	290	
			IZMI	0904.8	0905.2	III	GG	2	25	270	
			IZMI	0921.4	0921.7	III	G	2	85	160	
			IZMI	0924.0	0924.6	III	G	2	25X	230	
			IZMI	0926.0	0926.9	III	G	1	30	240	
			IZMI	0932.6	0932.9	III	G	2	25	170	
			IZMI	1048.7	1049.1	III	G	2	25X	240	
			IZMI	1054.0	1054.3	III	B	1	30	60	
			IZMI	1102.6	1102.7	III	B	1	105	270X	
			IZMI	1135.3	1137.2	III	GG	2	25X	240	
			SGMR	1137.0	2334.0	III	N	2	30	80	
			IZMI	1150.4	1152.1	III	GG	2	25	220	
			IZMI	1157.1	1157.1D	III	B	2	50	110	
			SVTO	1220.0	1224.0	III		2	35	85	
			BLEN	1222.4	1222.9	III	GG	3	220X	300	
			HOLL	1331.0	1332.0	III		1	25	86	
			HOLL	1350.0	1353.0	III		1	25	180	
			BLEN	1350.1	1355.7	III	GG,RS,S	3	220X	450	
			SVTO	1405.0	1604.0	CONT		1	73	85	
			HOLL	1540.0	0108.0	III	N	2	25	180	
			HOLL	1647.0	1652.0	V		2	25	180	
			PALE	1647.0	1652.0	V		2	25	180	
			SGMR	1647.0	1650.0	V		3	30	80	
			SVTO	1647.0	1649.0	V		2	35	85	
			PALE	1659.0	2219.0	CONT		1	60	180	
			PALE	1709.0	1710.0	III		1	25	180	
			SGMR	1709.0	1711.0	III		2	30	75	
			HOLL	1730.0	1733.0	V		1	25	165	
			PALE	1730.0	0413.0	III	N	1	25	130	
	1947	2400	HIRA	2021.0	2021.5	III	B	3	25X	180	
	2100	2400	CULG	2100.0E	2400.0D	III	N	1	23	180	
			CULG	2123.0	2131.0	III	GG	2	28	180	
			HIRA	2123.0	2137.0	III	G	3	25X	230	

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06			CULG	2132.0	2137.0	III	GG	2	28	500	
			CULG	2153.0	2153.0	III	B	2	28	160	
			HIRA	2217.0	2218.0	III	B	2	50	100	
			CULG	2233.0	2234.0	III	G	2	23	180	
			HIRA	2233.0	2236.0	III	G	2	50	140	
			HIRA	2311.5	2327.5	III	G	3	25X	220	
			CULG	2312.0	2328.0	III	GG	2	23	180	
			CULG	2324.0	2324.0	III	B	3	23	180	
07	0000	0715	CULG	0000.0E	0715.0D	III	N	1	20	180	
			CULG	0022.0	0023.0	III	G	2	18	180	
	0000	0939	HIRA	0022.5	0023.0	III	B	1	25X	120	
			CULG	0032.0	0033.0	III	G	2	20	170	
			CULG	0131.0	0135.0	III	GG	2	18	140	
			HIRA	0131.0	0142.0	III	G	2	25X	190	
			CULG	0140.0	0142.0	III	GG	3	18	180	
			CULG	0258.0	0715.0D	I	S	1	70	170	
			CULG	0351.0	0352.0	III	G	3	18	140	
			HIRA	0351.5	0352.0	III	B	2	25X	120	
			CULG	0354.0	0402.0	III	GG	2	18	180	
			SVTO	0420.0	0420.0	III		1	35	66	
			CULG	0451.0	0451.0	III	B	2	20	120	
			CULG	0539.0	0715.0D	III	N	1	28	90	
			SVTO	0539.0	0622.0	III	N	1	35	85	
	0552	1200	IZMI	0552.0E	1200.0D	I	S	2	50	270X	
			IZMI	0552.8	0553.1	III	G	1	45	120	
			IZMI	0609.2	0610.0	III	G,FS	2	45	100	
			IZMI	0611.4	0611.6	III	G	2	45	95	
			IZMI	0612.0U	1200.0D	III	N	1	45	100	
	0618	1712	ONDR								
			CULG	0621.0	0628.0	III	GG	2	25	150	
			IZMI	0621.0	0628.5	III	GG	2	25X	270	
			CULG	0624.0	0624.0	III	B	3	23	140	
			HIRA	0624.0	0624.5	III	B	3	25X	110	
			IZMI	0705.4	0707.1	III	GG	2	25X	160	
			CULG	0706.0	0707.0	III	G	3	30	180	
			IZMI	0709.3	0709.8	III	G	2	30	120	
			IZMI	0730.0	0730.8	III	G	2	30	145	
			IZMI	0735.6	0740.7	III	GG	2	25X	145	
	0510	1750	BLEN	0747.9	0749.0	III	GG	2	270	380	
			IZMI	0748.0	0749.0	III	GG	2	25X	170	
			IZMI	0754.2	0755.5	III	G	2	25	100	
			IZMI	0818.3	0819.6	III	G	2	25	135	
			IZMI	0830.4	0831.4	III	G	2	30	100	
			IZMI	0835.3	0852.0	III	N	2	25	120	
			IZMI	0900.8	0908.0	III	GG,C	2	25X	260	
			BLEN	0901.0	0903.0	III	GG,RS	3	220X	550X	
			HIRA	0901.0	0907.0	III	G	1	25X	140	
			IZMI	0908.1	0909.5	III	G	1	25	120	
			IZMI	0911.8	0913.1	III	GG	2	25X	270X	
			BLEN	0912.2	0913.3	III	GG,RS	3	220X	550X	
			HIRA	0912.5	0913.0	III	B	3	25X	300	
			IZMI	0943.6	0948.5	III	N,FS	2	25	100	
			IZMI	0957.7	0958.0	III	G	2	40	100	
			BLEN	1012.2	1012.3	III	GG,RS	2	300	350	
			IZMI	1047.9	1048.2	III	G,FS	2	25	120	
			IZMI	1105.3	1105.4	III	B	2	30	100	
			IZMI	1108.2	1108.5	III	G	2	45	100	
			IZMI	1131.7	1131.8	III	G	2	190	270X	
			IZMI	1137.8	1138.1	III	G	2	50	100	
			SGMR	1209.0	1211.0	III		2	30	80	
			SGMR	1247.0	1248.0	III		2	30	80	
			SGMR	1332.0	1332.0	III		1	30	60	
			HOLL	1548.0	2203.0	III	N	1	25	113	
			SGMR	1550.0	2332.0	CONT		1	30	70	
			PALE	1728.0	1730.0	III		1	25	70	
			PALE	1814.0	0351.0	III	N	1	25	180	
			PALE	2025.0	0226.0	CONT		1	25	180	
			CULG	2100.0E	2400.0D	III	N	1	25	180	

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07	2100	2400	CULG	2100.0E	2400.0D	I	S	2	60	180	
	1948	2400	HIRA	2138.0	2138.5	III	B	1	60	270	
			LEAR	2310.0	0948.0	CONT		1	25	180	
			LEAR	2311.0	0947.0	III		2	25	180	
			LEAR	2311.0	0947.0	III	N	2	25	180	
08			CULG	0000.0E	0245.0	III	S	1	30	90	
	0000	0715	CULG	0000.0E	0227.0	I	S	2	60	170	
			CULG	0227.0	0715.0D	I	S	1	60	170	
			CULG	0245.0	0715.0D	III	N	1	30	90	
			CULG	0525.0	0525.0	III	B	1	20	260	
	0600	1200	IZMI	0600.0E	1200.0D	I	S,C	2	100	270X	
			IZMI	0602.0U	1200.0D	III	N	1	45	100	
			IZMI	0614.5	0615.7	III	G	2	45	140	
			IZMI	0620.4	0621.1	III	GG	2	45	270X	
	0510	1750	BLEN	0620.5	0621.3	III	GG,S	3	220X	550X	
			CULG	0621.0	0621.0	III	B	1	30	460	
	0622	1719	ONDR								
			IZMI	0636.2	0639.7	III	GG	2	45	215	
			IZMI	0649.6	0651.0	III	G	2	25X	170	
			CULG	0650.0	0650.0	III	G	2	28	140	
			IZMI	0658.5	0659.0	III	G	2	45	100	
			IZMI	0718.5	0719.2	III	G,FS,C	2	25	180	
			IZMI	0729.5	0730.4	III	G,FS	2	45	160	
			IZMI	0749.8	0750.0	III	B	2	45	240	
			IZMI	0751.8	0753.4	III	G,FS	2	45	180	
			IZMI	0804.0U	0925.0U	I	S	2	45	100	
			LEAR	0834.0	0842.0	III		3	25	180	
			IZMI	0834.3	0843.0	III	GG	2	25X	270X	
	0000	0938	HIRA	0839.0	0840.5	III	G	3	25X	250	
			IZMI	0925.1	0928.0D	III	GG	2	45	190	
			IZMI	0942.0	1200.0D	I	S	2	45	100	
			BLEN	1003.0	1530 X	I	DC	3	220X	450	
			IZMI	1005.0	1010.0	I	GG,DS	2	200	270X	
			IZMI	1009.2	1009.4	III	GG	2	25	160	
			IZMI	1016.1	1017.4	III	GG	2	25X	270X	
			IZMI	1043.4	1049.1	III	N	2	45	270X	
			IZMI	1108.0U	1200.0D	III	N	2	25X	100	
			SGMR	1143.0	1930.0	CONT		2	30	80	
			BLEN	1230.0	1230.9	III	GG	3	220X	550X	
			HOLL	1259.0	1301.0	III		1	25	156	
			HOLL	1344.0	1344.0	III		1	25	140	
			PALE	1948.0	2219.0	III	N	1	25	55	
	1949	2400	HIRA								
	2100	2400	CULG	2100.0E	2355.0U	I	S	1	60	180	
			CULG	2121.0	2136.0	III	N	1	23	90	
			HOLL	2309.0	0124.0	CONT		1	25U	86U	
			LEAR	2309.0	0948.0	CONT		1	25	180	
			CULG	2355.0	2400.0D	III	S	1	25	130	
09	0000	0715	CULG	0000.0E	0715.0D	III	S	2	28	180	
			PALE	0033.0	0450.0	CONT		1	35	155	
			CULG	0051.0	0051.0	III	B	2	18X	150	
	0000	0937	HIRA	0051.0	0051.5	III	B	1	25X	160	
			SVTO	0429.0	1733.0	CONT		1	25	180	
			IZMI	0559.0E	0752.0U	III	N	2	45	100	
	0559	1200	IZMI	0559.0E	1200.0D	I	S,C	2	45U	270X	
			IZMI	0602.2	0602.3	III	B	2	45	90	
			IZMI	0751.0U	1200.0D	III	N	2	25X	120	
			IZMI	0904.1	0905.0	III	GG	2	25X	180	
			IZMI	0926.5	0926.8	III	B	2	25	135	
			IZMI	0949.0	0950.6	III	GG	2	25X	270X	
			IZMI	0951.3	0952.8D	II	HARM	2	45	125	
			SGMR	1225.0	2017.0	CONT		2	30	80	
			HOLL	1255.0	2007.0	CONT		2	25	180	
	0515	1745	BLEN	1315.9	1316.5	III	G	2	220X	350	
			BLEN	1429.0	1530 X	I	DC	3	220X	450	
	0454	1717	ONDR	1524.4	1715.1	DCIM	GG,SP,FS	2	800X	2000X	
			BLEN	1541.9	1703.0	DCIM	F,S,Z	3	1000X	2500	

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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
09			PALE	1635.0	1958.0	CONT		2	25	180	
	1950	2400	HIRA								
			PALE	2001.0	2239.0	III	N	1	25	180	
			HOLL	2027.0	2029.0	III		1	25	148	
			SGMR	2027.0	2046.0	III	N	2	30	80	
	2100	2400	CULG	2100.0E	2212.0	III	N	1	30	150	
			CULG	2134.0	2134.0	III	B	2	28	70	
			CULG	2254.0	2257.0	III	G	1	23	90	
10	0000	0715	CULG	0446.0	0558.0	I	S	1	70	170	
	0455	1716	ONDR								
			LEAR	0456.0	0949.0	CONT		1	76	180	
	0556	1200	IZMI	0556.0E	1200.0U	I	N	1	50	270	
			CULG	0610.0	0610.0	III	B	1	30	70	
			CULG	0701.0	0715.0D	I	S	1	75	160	
	0520	1745	BLEN	0826.0	1250.0	I	DC,N	2	220X	350	
			IZMI	0830.8	0831.8	III	GG	1	50	100	
			LEAR	0832.0	0834.0	III		1	25	180	
			SVTO	0832.0	0834.0	III		1	25	168	
			IZMI	0832.4	0833.3	III	GG	2	25	270X	
	0000	0935	HIRA	0832.5	0833.0	III	B	1	40	260	
			BLEN	0832.6	0833.1	III	P	/	220X	350	
			IZMI	0833.7	0834.1	III	G	2	30	170	
			IZMI	0905.1	0905.4	III	G	1	45	135	
			SGMR	1049.0	1230.0	III	N	1	30	80	
			IZMI	1103.5	1103.5	III	B,FS	2	50	66	
			IZMI	1151.7	1151.7	III	B	1	50	95	
			SVTO	1234.0	1234.0	III		1	53	175	
			SGMR	1405.0	1405.0	III		1	30	80	
			SVTO	1405.0	1405.0	III		1	25	81	
			SGMR	1652.0	1653.0	III		1	30	50	
			SGMR	1756.0	1757.0	III		1	30	55	
	1950	2400	HIRA								
			LEAR	2313.0	2316.0	III		1	62	180	
	2100	2400	CULG	2313.0	2315.0	III	G	1	40	180	
11	0000	0934	HIRA								
	0457	1715	ONDR								
	0520	1750	BLEN	0520 X	1410.0	I	DC	3	220X	450	
	0556	1200	IZMI	0556.0E	1200.0D	I	N	1	50	270X	
			IZMI	0636.2	0643.5	III	GG	2	200	270X	
			IZMI	0641.4	0643.7	III	GG,FS	2	45	120	
	0000	0720	CULG	0643.0	0644.0	III	G	1	50	170	
			IZMI	0747.7	0748.8	I	GG,DS	2	45	65	
			LEAR	0748.0	0751.0	III		1	25	37	
			SVTO	0748.0	0755.0	III		1	25	47	
			SVTO	1354.0	1355.0	III		1	27	83	
			SGMR	1355.0	1355.0	III		1	30	70	
			BLEN	1403.3	1405.3	III	GG	2	220X	380	
	1951	2400	HIRA								
	2100	2400	CULG	2319.0	2319.0	III	B	1	25	90	
12			LEAR	0137.0	0139.0	III		1	25	180	
			PALE	0137.0	0140.0	III		1	25	150	
	0000	0720	CULG	0137.0	0140.0	III	G	1	30	370	
	0000	0933	HIRA	0137.5	0139.0	III	G	2	50	200	
			LEAR	0200.0	0205.0	III		3	25	180	
			CULG	0201.0	0205.0	III	G	3	18X	300	
			HIRA	0201.0	0203.5	III	G	3	25X	290	
			PALE	0201.0	0211.0	III		2	25	180	
			CULG	0211.0	0211.0	III	B	1	30	170	
			CULG	0313.0	0316.0	III	G	2	18	270	
			HIRA	0313.0	0314.0	III	B	2	25X	320	
			PALE	0313.0	0316.0	III		1	25	75	
			LEAR	0315.0	0316.0	III		1	25	180	
			CULG	0405.0	0406.0	III	G	1	25	150	
			LEAR	0405.0	0406.0	III		1	25	160	
			HIRA	0405.5	0406.5	III	B	2	60	100	
			CULG	0458.0	0458.0	III	B	1	30	90	

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12	0520	1750	BLEN	0550.0	1240.0	I	DC	/	220X	550	
	0602	1200	IZMI	0602.0E	1200.0D	I	N	1	135	270X	
			IZMI	0608.7	0609.7	III	GG	2	25X	245	
			CULG	0609.0	0610.0	III	G	1	23	180	
			HIRA	0609.0	0609.5	III	B	2	50	160	
			LEAR	0609.0	0609.0	III		1	25	180	
			SVTO	0609.0	0609.0	III		1	25	83	
			SVTO	0808.0	0814.0	III		1	25	83	
			IZMI	0808.1	0808.4	III	G	1	45	90	
			IZMI	0813.9	0814.7	III	G	2	25X	250	
			HIRA	0814.0	0814.5	III	B	1	40	200	
			LEAR	0814.0	0814.0	III		1	25	180	
			SVTO	0830.0	0830.0	III		1	25	180	
	0458	1713	ONDR	0948.4	0955.0	DCIM	G,W	1	2000X	4500X	
			ONDR	0949.4	0953.5	DCIM		2	800X	1672	
			BLEN	0956.1	0956.5	III	GG	2	220X	500	
			ONDR	1001.3	1006.0	DCIM	G	1	2000X	4500X	
			ONDR	1001.3	1006.3	DCIM		1	800X	2000X	
			IZMI	1004.0	1004.7	III	G	1	30	100	
			IZMI	1044.7	1046.0	III	G	2	200	270X	
			IZMI	1108.9	1109.0	II	B	2	85	215	
			SVTO	1119.0	1120.0	III		1	31	164	
			IZMI	1119.2	1119.8	III	G,C,FS	2	25	270X	
			ONDR	1150.2	1150.2	DCIM	G,SP	2	800X	1100	
			IZMI	1159.4	1159.7	III	G	2	130	270X	
			SGMR	1227.0	1230.0	III		1	30	60	
			SVTO	1227.0	1240.0	III	N	1	25	81	
			BLEN	1227.4	1230.8	III	GG,S	3	220X	550X	
			BLEN	1238.2	1243.8	III	GG	3	220X	550X	
			ONDR	1238.2	1243.1	DCIM	G	2	2000X	4500X	
			ONDR	1239.0	1241.5	DCIM	GG,SP	2	800X	2000X	
			SGMR	1310.0	1748.0	CONT		1	30	80	
			HOLL	1327.0	1650.0	CONT		1	25	172	
			ONDR	1327.0	1404.2	DCIM	GG	2	800X	2000X	
			BLEN	1332.3	1350.0	DCIM	P	2	220X	550X	
			ONDR	1333.1	1342.3	DCIM	G	1	2000X	4500X	
			BLEN	1350.0	1350 X	I	DC	2	220X	300	
			SVTO	1352.0	1716.0	CONT		1	25	150	
			ONDR	1356.2	1444.0	DCIM	GG	1	2000X	3533	
			ONDR	1408.3	1452.2	DCIM	GG,FS	2	800X	2000X	
			BLEN	1430.4	1530 X	DCIM	P,F	3	220X	550X	
			ONDR	1457.3	1519.2	DCIM	GG,FS	1	800X	2000X	
			ONDR	1521.5	1610.3	DCIM		1	800X	2000X	
	1952	2400	HIRA								
	2100	2400	CULG								
13			HOLL	0008.0	0010.0	III		1	25	180	
			PALE	0008.0	0010.0	III		2	25	180	
			LEAR	0009.0	0009.0	III		2	28	180	
	0000	0720	CULG	0009.0	0010.0	III	G	2	18	240	
	0000	0932	HIRA	0009.5	0010.0	III	B	2	25X	210	
			LEAR	0231.0	0231.0	III		1	54	148	
			CULG	0232.0	0232.0	III	B	1	30	140	
	0459	1711	ONDR								
	0520	1740	BLEN	0520 X	1530 X	I	DC,N	2	220X	350	
			CULG	0714.0	0714.0	III	B	1	60	160	
	0601	1200	IZMI	0758.3	0758.8	I	G	2	120	145	
			LEAR	0813.0	0813.0	III		1	75	142	
			IZMI	0813.6	0813.7	III	B	2	90	160	
			IZMI	1044.4	1046.3	I	GG	2	120	160	
			IZMI	1045.5	1045.7	III	B	1	45	95	
			IZMI	1059.0U	1139.0	I	N	1	200	270X	
			SVTO	1325.0	1327.0	III		1	28	56	
			BLEN	1339.2	1339.8	DCIM	P	2	350	550X	
			HOLL	1552.0	1553.0	III		1	25	86	
			SGMR	1552.0	1553.0	III		1	30	80	
			SVTO	1552.0	1553.0	III		1	28	82	
	1953	2400	HIRA								
			HOLL	2014.0	2015.0	III		1	25	180	

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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			SGMR	2014.0	2014.0	III		1	40	80	
	2100	2400	CULG	2346.0	2347.0	III	G	1	25	90	
14	0000	0720	CULG	0213.0	0252.0	III	N	1	30	150	
			CULG	0711.0	0716.0	III	GG	1	28	180	
			LEAR	0711.0	0715.0	III		2	25	180	
			SVTO	0711.0	0715.0	III		1	25	148	
	0000	0931	HIRA	0711.0	0713.0	III	G	2	50	200	
	0550	0900	IZMI	0711.6	0713.1	III	GG	2	25X	250	
			IZMI	0714.4	0715.7	III	GG	2	45	240	
			IZMI	0820.4	0820.6	III	B	2	30	85	
	0935	1200	IZMI	1002.0U	1152.0U	I	N	1	120	270X	
			IZMI	1130.8	1131.0	III	G	1	50	100	
			SVTO	1204.0	1205.0	III		1	25	44	
	0500	1709	ONDR	1252.4	1253.3	DCIM	GG	2	800X	917	
	0520	1740	BLEN	1331.9	1332.9	III	GG	2	300	550X	
			HOLL	1546.0	1553.0	III		1	25	62	
			HOLL	1633.0	1633.0	III		1	25	68	
			HOLL	1659.0	1700.0	III		1	25	79	
	1954	2400	HIRA								
	2100	2400	CULG	2120.0	2321.0	I	S	1	110	170	
			LEAR	2333.0	2338.0	III		1	32	94	
			CULG	2335.0	2338.0	III	G	1	30	90	
15	0000	0720	CULG	0004.0	0159.0	I	S	1	110	170	
			HOLL	0010.0	0016.0	III		1	25	171	
			LEAR	0010.0	0016.0	III		1	25	180	
			PALE	0010.0	0016.0	III		1	25	180	
			CULG	0011.0	0016.0	III	G	2	18	180	
	0000	0931	HIRA	0011.0	0013.0	III	G	1	25X	190	
			CULG	0032.0	0032.0	III	B	1	35	80	
			CULG	0105.0	0129.0	III	N	1	28	180	
			LEAR	0105.0	0128.0	III	N	1	25	180	
			PALE	0105.0	0128.0	III	N	1	25	145	
			LEAR	0210.0	0321.0	III	N	2	25	180	
			CULG	0211.0	0211.0	III	G	1	18	160	
			CULG	0216.0	0217.0	III	G	1	30	90	
			CULG	0219.0	0226.0	III	GG	3	18X	170	
			PALE	0243.0	0302.0	III	N	1	25	180	
			CULG	0244.0	0304.0	III	GG	2	18	170	
			HIRA	0252.5	0253.5	III	G	2	50	150	
			CULG	0320.0	0720.0D	III	S	1	30	170	
			LEAR	0328.0	0950.0	CONT		1	56	180	
			SVTO	0519.0	0524.0	III		1	25	168	
			CULG	0520.0	0526.0	III	GG	2	25	180	
			LEAR	0521.0	0526.0	III		2	25	180	
			HIRA	0521.5	0526.5	III	G	1	50	190	
	0520	1740	BLEN	0524.0	0526.0	III	GG,S	2	220X	400	
			IZMI	0550.0E	1200.0D	III	N	1	45	95	
	0550	1200	IZMI	0550.0E	1200.0D	I	N	2	50	245	
	0625	1708	ONDR								
			IZMI	0655.9	0656.7	III	GG	1	45	95	
			CULG	0707.0	0710.0	III	G	2	28	150	
			LEAR	0707.0	0710.0	III		2	25	180	
			SVTO	0707.0	0710.0	III		1	26	85	
			IZMI	0707.3	0710.6	III	GG	2	30	160	
			IZMI	0839.0	0839.4	UNCLF	RS	2	45	65	
			IZMI	0840.5	0842.9	III	GG	1	45	120	
			SVTO	0901.0	0905.0	III		1	28	82	
			IZMI	0901.2	0904.8	III	GG	2	30	135	
			IZMI	0922.0	0927.3	III	GG,C,FS	3	25X	270X	
			SVTO	0922.0	0926.0	III		2	25	180	
			LEAR	0923.0	0926.0	III		3	25	180	
			BLEN	0924.0	0924.9	III	GG	3	220X	550X	
			LEAR	0933.0	0935.0	III		3	25	180	
			IZMI	0933.4	0935.7	III	GG	2	25X	270X	
			SVTO	0934.0	0935.0	III		1	28	153	
			IZMI	0941.3	0942.8	III	GG	2	35	90	
			SVTO	0945.0	1015.0	III	N	1	25	83	

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15			IZMI	1013.6	1016.8	III	GG	2	25X	170	
			IZMI	1056.5	1057.1	III	G	1	40	90	
			SVTO	1057.0	1057.0	III		1	28	59	
			IZMI	1124.6	1126.8	III	GG	2	60	135	
			HOLL	1352.0	1359.0	III		1	25	180	
			HOLL	1352.0	1436.0	III	N	1	25	180	
			SGMR	1352.0	1418.0	III	N	2	30	80	
			SVTO	1352.0	1458.0	III	N	1	25	172	
			BLEN	1416.8	1419.1	DCIM	P	3	220X	450	
	1955	2400	HIRA								
	2100	2400	CULG	2312.0	2400.0D	I	S	1	110	170	
			CULG	2316.0	2316.0	III	B	1	35	90	
			CULG	2328.0	2332.0	III	G	1	23	100	
16	0000	0720	CULG	0000.0E	0510.0	I	S	1	110	170	
			CULG	0008.0	0009.0	III	G	1	20	180	
			CULG	0129.0	0129.0	III	B	1	20	120	
			PALE	0129.0	0129.0	III		1	35	55	
			CULG	0304.0	0305.0	III	G	1	30	90	
			CULG	0310.0	0310.0	III	B	1	30	45	
			CULG	0333.0	0336.0	III	G	1	30	80	
			CULG	0358.0	0358.0	III	B	1	35	90	
			CULG	0445.0	0455.0	III	G	1	18	170	
			LEAR	0446.0	0447.0	III		3	25	180	
			SVTO	0446.0	0447.0	III		2	25	167	
			CULG	0447.0	0447.0	III	G	3	18X	180	
	0000	0928	HIRA	0447.0	0447.5	III	B	3	25X	230	
	0503	1706	ONDR								
	0520	0720	BLEN								
			SVTO	0522.0	0530.0	III		1	28	83	
			CULG	0523.0	0523.0	III	B	2	28	120	
	0601	1200	IZMI	0601.0E	0800.0U	I	N	1	160	230	
			IZMI	0615.1	0615.8	III	G	1	60	100	
			SVTO	0913.0	0913.0	III		1	28	68	
			IZMI	0913.1	0913.3	III	B,C	2	25	65	
			IZMI	1115.2	1116.7	III	G	2	80	270	
			IZMI	1135.6	1136.0	I	GG	2	200	210	
			IZMI	1140.3	1140.9	I	GG	2	200	220	
			IZMI	1144.0	1144.4	III	G	1	205	270X	
			SVTO	1211.0	1217.0	III		1	26	63	
			SGMR	1216.0	1217.0	III		1	30	80	
			HOLL	1456.0	1457.0	III		1	25	95	
			SGMR	1456.0	1457.0	III		1	30	55	
			SVTO	1456.0	1457.0	III		1	25	66	
			HOLL	1851.0	1854.0	III		1	25	90	
			PALE	1851.0	1854.0	III		1	25	65	
			SGMR	1851.0	1854.0	III		1	30	75	
			HOLL	2141.0	2146.0	III		1	25	135	
			SGMR	2141.0	2144.0	III		1	30	80	
	1956	2400	HIRA	2141.0	2146.0	III	G	1	50	400	
	2055	2400	CULG	2141.0	2146.0	III	G	1	28	200	
			CULG	2330.0	2331.0	III	G	2	20	120	
			HOLL	2330.0	2336.0	III		1	25	87	
			LEAR	2330.0	2336.0	III		1	29	110	
			PALE	2330.0	2336.0	III		1	25	90	
			CULG	2336.0	2337.0	III	G	1	28	80	
17	0000	0720	CULG	0100.0	0104.0	III	G	1	30	100	
			CULG	0130.0	0130.0	III	B	1	30	90	
			CULG	0155.0	0157.0	III	G	1	30	150	
			LEAR	0155.0	0156.0	III		1	25	180	
			PALE	0155.0	0156.0	III		1	25	65	
			LEAR	0156.0	0156.0	III		1	25	180	
			CULG	0416.0	0420.0	III	G	1	25	130	
			LEAR	0826.0	0840.0	III	N	2	25	180	
			SVTO	0826.0	0837.0	III	N	2	25	178	
	0601	1200	IZMI	0826.4	0827.2	III	G,FS	2	25X	270X	
			IZMI	0827.4	0840.0	III	N	2	25	160	
			IZMI	0831.1	0834.4	III	GG,C,FS	2	25X	270X	

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17	0000	0927	HIRA	0833.0	0836.5	III	G	2	50	170	
			IZMI	0835.9	0837.8	III	GG	2	25	270X	
			ONDR	0840.0	0842.5	DCIM		1	805	2000X	
	0504	1704	ONDR	0840.0	0842.0	DCIM		1	2000X	4500X	
			IZMI	0847.3	0851.8	II		2	50	70	
	1000	1735	BLEN	1000 X	1530 X	I	N	2	220X	300	
			SGMR	1209.0	1211.0	III		1	30	80	
			SVTO	1209.0	1211.0	III		2	25	164	
			SVTO	1343.0	1343.0	III		1	28	58	
			BLEN	1416.8	1419.1	DCIM	P	3	220X	450	
			HOLL	1511.0	1515.0	III		2	25	180	
			SGMR	1511.0	1514.0	III		2	30	75	
			SVTO	1511.0	1514.0	III		2	25	163	
			BLEN	1511.9	1514.8	III	GG	2	220X	420	
			HOLL	1523.0	1533.0	III		1	25	85	
			SVTO	1526.0	1532.0	III		1	25	82	
			SGMR	1532.0	1532.0	III		1	30	55	
			HOLL	1753.0	1754.0	III		1	25	59	
	1957	2400	HIRA								
	2055	2400	CULG	2103.0	2231.0	III	N	1	30	130	
18	0000	0720	CULG	0132.0	0132.0	III	B	1	28	70	
			LEAR	0321.0	0321.0	III		1	74	111	
			CULG	0355.0	0356.0	III	G	1	35	90	
	0506	1603	ONDR								
			LEAR	0538.0	0539.0	III		1	42	153	
			SVTO	0538.0	0539.0	III		1	38	82	
	0000	0926	HIRA	0538.5	0539.0	III	B	1	50	140	
			CULG	0539.0	0539.0	III	B	2	30	120	
	0550	1200	IZMI	0603.7	0603.8	III	B	1	50	95	
			CULG	0604.0	0604.0	III	B	1	30	90	
			CULG	0609.0	0609.0	III	B	1	28	70	
			SVTO	0722.0	0722.0	III		1	31U	56U	
			IZMI	0744.0	0746.9	III	G	1	45	90	
			SVTO	0744.0	0753.0	III		1	28	81	
			IZMI	0751.1	0753.8	III	G	1	25	95	
			LEAR	0753.0	0753.0	III		1	25	54	
			IZMI	0801.1	0801.5	III	G	2	190	270X	
	0525	1000	BLEN	0801.2	0806.5	III	G	2	200X	550X	
			IZMI	0806.4	0806.5	III	G	2	110	215	
			IZMI	0816.4	0816.5	III	B	1	200	225	
			IZMI	0942.0	0942.2	UNCLF		2	55	120	
			SVTO	1156.0	1156.0	III		1	28	80	
			IZMI	1156.1	1156.9	III	G	2	30	100	
			SVTO	1307.0	1307.0	III		1	28	55	
			SVTO	1323.0	1323.0	III		1	59	177	
			SVTO	1416.0	1427.0	III	N	1	27	82	
			HOLL	1554.0	1555.0	III		1	50	180	
			SGMR	1554.0	1555.0	III		2	60	80	
			SVTO	1554.0	1555.0	III		2	49	180	
			HOLL	1809.0	1810.0	III		1	25	180	
			PALE	1809.0	1810.0	III		2	25	180	
			SGMR	1809.0	1811.0	III		1	30	75	
	1958	2400	HIRA								
	2050	2400	CULG	2123.0	2123.0	III	B	1	330	530	
			CULG	2357.0	2358.0	III	G	1	35	90	
19	0000	0720	CULG	0148.0	0148.0	III	B	1	30	70	
			CULG	0208.0	0454.0	III	N	1	30	120	
	0507	1701	ONDR								
	0525	1730	BLEN								
			CULG	0545.0	0546.0	III	G	2	23	180	
			SVTO	0545.0	0548.0	III		1	26	83	
			CULG	0548.0	0720.0D	III	N	1	25	90	
	0550	1200	IZMI	0550.0E	1035.0U	III	N	1	25	120	
			IZMI	0555.8	0845.0U	I	S	2	110	160	
	0000	0925	HIRA	0841.5	0842.0	III	B	1	50	120	
			IZMI	0841.7	0842.3	III	G	2	25	105	
			IZMI	1012.6	1013.0	III	G	2	30	70	

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19			SGMR	1413.0	1427.0	III	N	1	30	70	
			SVTO	1413.0	1429.0	III		1	36	53	
			SGMR	1506.0	1506.0	III		1	30	48	
			SVTO	1506.0	1510.0	III		1	42	51	
			SGMR	1543.0	1548.0	III		1	30	50	
			PALE	1739.0	0418.0	III	N	2	25	180	
			SGMR	1739.0	1739.0	III		1	30	70	
	1958	2400	HIRA								
	2050	2400	CULG	2118.0	2158.0	III	N	1	30	90	
			CULG	2255.0	2400.0D	III	N	1	35	90	
20	0000	0924	HIRA								
	0000	0720	CULG	0000.0E	0315.0	III	N	1	28	80	
			LEAR	0041.0	0103.0	III	N	1	25	58	
			LEAR	0114.0	0115.0	III		1	25	64	
			LEAR	0143.0	0157.0	III	N	1	25	51	
			LEAR	0207.0	0223.0	III	N	1	25	62	
			LEAR	0313.0	0320.0	III		1	26	56	
	0508	1659	ONDR								
			CULG	0532.0	0649.0	III	N	1	28	75	
			SVTO	0607.0	0632.0	III	N	1	32	59	
	0600	1200	IZMI	0607.7	0608.5	III	G,FS,RS	2	45	65	
			IZMI	0621.0	0625.2	III	N	1	45	95	
			IZMI	0915.8	0916.1	III	B	1	40	100	
			SVTO	1052.0	1052.0	III		1	28	81	
	0530	1725	BLEN	1434.9	1435.3	III	G,RS	1	370	470	
			HOLL	1723.0	1728.0	III		1	25	79	
			HOLL	1748.0	1751.0	III		1	25	57	
			SGMR	1748.0	1802.0	III	N	1	30	80	
			HOLL	1801.0	1802.0	III		1	25	126	
			HOLL	1826.0	1827.0	III		1	25	83	
	1959	2400	HIRA								
	2050	2400	CULG								
21	0000	0922	HIRA								
	0000	0725	CULG	0225.0	0225.0	III	B	1	28	90	
	0510	1657	ONDR								
	0530	1725	BLEN								
	0601	1200	IZMI	0701.4	0704.0	I	N	1	225	270X	
			IZMI	1118.8U	1200.0D	III	N	1	45	100	
			SVTO	1156.0	1207.0	III	N	1	28	82	
			IZMI	1156.8	1200.0D	III	GG	2	45	150	
			HOLL	1605.0	1606.0	III		1	25	80	
			SVTO	1605.0	1606.0	III		1	35	120	
			HOLL	2023.0	2025.0	III		1	25	63	
			PALE	2023.0	2128.0	III	N	1	25	70	
	2050	2400	CULG	2237.0	2237.0	III	B	1	20	90	
			HOLL	2302.0	2312.0	III		1	25	180	
			LEAR	2302.0	2312.0	III		1	25	180	
			PALE	2302.0	2312.0	III		1	25	180	
	2000	2400	HIRA	2302.5	2306.5	III	G	1	25X	290	
			CULG	2312.0	2312.0	III	B	2	18	150	
22	0000	0725	CULG	0008.0	0024.0	III	N	1	35	90	
			CULG	0021.0	0027.0	II	UE	1	50	90	
			CULG	0202.0	0202.0	III	B	1	25	180	
			LEAR	0202.0	0202.0	III		1	25	180	
			PALE	0202.0	0202.0	III		1	25	112	
			CULG	0227.0	0229.0	III	G	1	28	90	
			LEAR	0227.0	0235.0	III		1	25	180	
			PALE	0227.0	0233.0	III		1	25	87	
			CULG	0232.0	0235.0	III	G	2	28	90	
			CULG	0241.0	0241.0	III	B	1	28	90	
			CULG	0342.0	0344.0	III	G	3	18X	130	
			LEAR	0342.0	0344.0	III		3	25	142	
			PALE	0342.0	0343.0	III		1	25	88	
	0000	0920	HIRA	0342.5	0344.0	III	B	3	25X	140	
	0511	1655	ONDR								
			CULG	0513.0	0517.0	III	G	3	18X	180	

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22			HIRA	0513.0	0517.0	III	G	3	25X	200	
			LEAR	0513.0	0517.0	III		3	25	180	
			SVTO	0513.0	0516.0	V		1	25	175	
	0530	1725	BLEN								
	0559	1200	IZMI	0912.0	0915.4	III	GG	2	25X	270X	
			LEAR	0913.0	0915.0	III		1	25	180	
			SVTO	0913.0	0915.0	III		1	25	151	
			IZMI	0918.7	0920.9	III	G	1	50	160	
			SVTO	0939.0	0945.0	III		1	25	180	
			IZMI	0939.6	0943.7	III	GG,C	2	25X	270X	
			LEAR	0940.0	0942.0	III		1	25	180	
			IZMI	0944.2	0945.0	III	GG,FS	2	50	270	
			IZMI	0945.6	0953.9	III	N	1	45	180	
			IZMI	1046.3	1136.0U	I	S	2	200	270X	
			IZMI	1107.2	1107.6	III	G	2	50	165	
			SVTO	1428.0	1434.0	III		1	28	82	
			SGMR	1434.0	1434.0	III		1	30	70	
			SVTO	1523.0	1528.0	III		1	30	156	
	2045	2400	CULG	2151.0	2152.0	III	G	1	35	180	
			CULG	2332.0	2335.0	III	G	1	20	120	
			HOLL	2332.0	2332.0	III		1	25	87	
			LEAR	2332.0	2334.0	III		1	25	138	
			PALE	2332.0	2332.0	III		1	25	85	
	2001	2400	HIRA	2332.0	2332.5	III	B	1	25X	150	
23			LEAR	0104.0	0115.0	III	N	2	25	180	
	0000	0725	CULG	0104.0	0125.0	III	N	1	28	160	
	0000	0918	HIRA	0114.0	0115.0	III	B	1	25X	200	
			SVTO	0441.0	0446.0	III		1	27	73	
			LEAR	0458.0	0458.0	III		1	25	104	
			CULG	0459.0	0459.0	III	B	1	25	90	
	0512	1653	ONDR								
	0530	1725	BLEN								
			CULG	0548.0	0548.0	III	B	1	25	90	
			SVTO	0548.0	0548.0	III		1	28	82	
	0557	1200	IZMI	0627.3	0630.5	I	N	1	200	250	
			IZMI	0645.8	0646.5	III	G	1	45	145	
			CULG	0646.0	0646.0	III	G	1	30	90	
			SVTO	0646.0	0646.0	III		1	25	82	
			SVTO	0719.0	0722.0	III		1	28	66	
			CULG	0720.0	0723.0	III	G	1	28	140	
			IZMI	0720.0	0722.7	III	G	2	25X	140	
			IZMI	0742.0	0742.1	I	GG	2	240	270X	
			SVTO	0832.0	0832.0	III		1	28	36	
			IZMI	0935.3	1000.3	I	N	2	215	270X	
			IZMI	1000.0	1002.3	III	GG	2	25X	170	
			SVTO	1000.0	1000.0	III		1	25	82	
			SVTO	1000.0	1000.0	III		2	25	82	
			SVTO	1001.0	1002.0	III		1	27	49	
			SVTO	1051.0	1100.0	III		2	25	82	
			IZMI	1051.3	1051.5	III	B	1	50	95	
			IZMI	1055.4	1055.8	III	G	2	25X	165	
			IZMI	1059.3	1101.3	III	G	2	50	160	
			IZMI	1127.0	1127.1	III	B	1	45	95	
			SVTO	1217.0	1234.0	III	N	1	28	49	
	2001	2400	HIRA								
	2045	2400	CULG	2127.0	2348.0	III	N	1	28	130	
			LEAR	2258.0	0711.0	CONT		1	67	180	
			HOLL	2308.0	2308.0	III		1	25	113	
24	0000	0917	HIRA								
			PALE	0114.0	0114.0	III		1	25	120	
	0000	0725	CULG	0337.0	0337.0	III	B	1	35	90	
			CULG	0454.0	0454.0	III	B	1	30	85	
	0540	1720	BLEN								
	0558	1200	IZMI	0558.0E	1121.0U	I	N	2	105	260	
			IZMI	0624.8	0626.3	III	GG	2	50	160	
	0627	1652	ONDR								
			IZMI	0634.5	0634.6	III	B	1	45	95	

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24			IZMI	0640.2	0640.9	III	G	1	45	95	
			IZMI	0720.1	0720.2	III	B	1	45	85	
			IZMI	0846.8	0847.6	III	G	2	55	215	
			IZMI	0849.7	0849.8	III	B	1	50	90	
			IZMI	0912.7	0912.9	III	B	1	45	95	
			IZMI	0944.7	0944.8	III	B	1	45	70	
			IZMI	1054.5	1055.1	III	G	1	190	270X	
			SVTO	1255.0	1255.0	III		1	28	56	
			SVTO	1309.0	1255.0	III		1	28	56	
			HOLL	1521.0	1521.0	III		1	25	64	
	2002	2400	HIRA								
	2045	2400	CULG								
25	0000	0725	CULG	0411.0	0411.0	III	B	1	35	140	
			CULG	0456.0	0456.0	III	B	1	45	140	
			CULG	0503.0	0504.0	III	G	2	55	150	
			SVTO	0527.0	1614.0	CONT		1	25	153	
	0550	1200	IZMI	0638.7	0639.3	III	G	1	45	100	
			CULG	0639.0	0640.0	III	G	1	35	90	
			IZMI	0640.0U	1200.0D	I	N	2	110	260	
			IZMI	0733.0	0733.4	III	G	1	45	95	
			LEAR	0734.0	0736.0	III		1	39	115	
			SVTO	0734.0	0736.0	III		1	25	83	
	0630	1649	ONDR	0734.2	0738.0	DCIM	G	1	2000X	4500X	
			IZMI	0734.8	0737.2	III	GG,FS	2	40	100	
	0545	1720	BLEN	0735.0	1530 X	I	N	1	220X	420	
			IZMI	0739.1	0739.5	III	GG,FS	2	45	95	
			LEAR	0750.0	0757.0	II		1	41	83	ESS 0702
			SVTO	0750.0	0757.0	II		1	25	80	ESS 0767
			IZMI	0750.4	0757.3	II	HARM	2	25X	70	
			LEAR	0758.0	0758.0	III		1	58	180	
			SVTO	0758.0	0758.0	III		1	62	149	
			IZMI	0758.3	0758.8	III	GG	2	55	175	
	0000	0916	HIRA	0758.5	0759.0	III	B	1	60	200	
			LEAR	0832.0	0904.0	CONT		1	89	180	
			IZMI	0917.1	0923.6	III	N,FS	1	45	160	
			IZMI	0944.8	0945.0	III	G,U	2	110	270	
			IZMI	0956.0U	1027.0U	III	N	1	45	90	
			IZMI	1123.5	1125.7	III	G	1	45	100	
			IZMI	1153.3	1154.3	III	G	2	85	180	
			SVTO	1411.0	1411.0	III		1	34	142	
			ONDR	1425.5	1436.4	DCIM	G	2	2000X	4500X	
			HOLL	1427.0	1433.0	III		2	25	180	
			SGMR	1427.0	1435.0	V		2	30	80	
			SVTO	1427.0	1433.0	III		2	25	180	
			BLEN	1427.3	1432.6	DCIM	P	3	220X	550X	
			SGMR	1435.0	1452.0	II		3	30	80	ESS 1600
			SVTO	1435.0	1451.0	II		3	25	164	ESS 1489
			SVTO	1452.0	1456.0	III		1	30	82	
	2003	2400	HIRA	2229.0	2229.5	III	B	1	50	200	
	2045	2400	CULG	2229.0	2230.0	III	G	1	20	180	
			CULG	2348.0	2349.0	III	G	1	20	130	
			CULG	2352.0	2354.0	III	G	2	28	160	
			HIRA	2352.0	2354.0	III	G	2	50	180	
26	0000	0730	CULG	0002.0	0002.0	III	B	1	30	90	
	0000	0915	HIRA	0003.5	0004.0	III	B	2	50	200	
			CULG	0004.0	0005.0	III	G	2	20	170	
			CULG	0104.0	0106.0	III	G	1	40	90	
			CULG	0139.0	0140.0	III	G	1	35	140	
			CULG	0201.0	0201.0	III	B	1	30	75	
			HIRA	0228.5	0229.5	III	B	2	120	260	
			CULG	0229.0	0230.0	III	G	1	120	300	
			CULG	0309.0	0309.0	III	B	1	40	90	
			CULG	0412.0	0412.0	III	B	1	30	170	
			HIRA	0416.5	0417.0	III	B	1	50	210	
			CULG	0431.0	0432.0	III	G	1	35	90	
			CULG	0439.0	0440.0	III	G	1	30	130	
	0545	1720	BLEN								

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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
26			CULG	0620.0	0620.0	III	B	1	40	150	
	0555	1200	IZMI	0620.2	0621.1	III	G,C	2	45	250	
	0630	1647	ONDR								
			IZMI	0707.6	0711.2	III	G	1	130	270X	
			IZMI	0908.6	0909.4	III	G	1	25	130	
			IZMI	1010.6	1011.3	III	G	1	180	240	
			IZMI	1020.4	1020.6	III	G	1	125	215X	
			IZMI	1136.0U	1152.0U	I	N	1	85	160	
	2004	2400	HIRA								
	2045	2400	CULG	2357.0	2357.0	III	B	1	30	80	
27	0000	0913	HIRA	0312.5	0313.0	III	B	1	50	200	
	0000	0730	CULG	0321.0	0321.0	III	B	1	30	130	
			CULG	0454.0	0454.0	III	B	1	40	140	
	0545	1715	BLEN	0545 X	1415.0	I	N	1	220X	300	
	0552	1200	IZMI	0552.0E	1200.0D	I	S,C	2	150	270X	
	0630	1646	ONDR								
			IZMI	0630.5	0630.6	III	B,U	1	120	160	
			IZMI	0654.0U	1031.0U	III	N	1	45	90	
			IZMI	0712.8E	0713.1	III	B,HARM	2	30	100	
			CULG	0713.0	0715.0	III	G	1	28	90	
			IZMI	0715.4	0715.5	III	B	2	45	90	
			CULG	0725.0	0725.0	III	B	1	50	150	
			IZMI	0725.4	0725.8	III	G	2	25	160	
			IZMI	0754.2	0757.2	III	GG	2	25X	135	
			HIRA	0756.5	0757.0	III	B	2	50	130	
			SGMR	1317.0	1317.0	III		1	30	75	
			SVTO	1317.0	1317.0	III		1	25	81	
			HOLL	1550.0	1550.0	III		1	34	84	
	2005	2400	HIRA								
	2045	2400	CULG								
			LEAR	2254.0	0057.0	CONT		1	75	180	
28			LEAR	0057.0	0103.0	III		1	25	128	
	0000	0730	CULG	0057.0	0103.0	III	G	1	30	100	
			CULG	0218.0	0220.0	III	G	1	28	70	
			LEAR	0218.0	0219.0	III		1	25	59	
			PALE	0218.0	0219.0	III		1	25	55	
			SVTO	0511.0	0511.0	III		1	31	58	
	0601	1200	IZMI	0601.0E	1200.0D	I	S	1	135	260	
			LEAR	0630.0	0633.0	III		2	25	180	
			IZMI	0630.9	0631.1	III	G,C,FS	2	45	180	
			CULG	0631.0	0631.0	III	B	1	20	150	
			SVTO	0631.0	0633.0	III		2	25	82	
			IZMI	0632.9	0633.9	III	GG,C,FS	2	25X	260	
	0633	1643	ONDR								
			CULG	0633.0	0634.0	III	G	2	23	140	
	0000	0912	HIRA	0633.0	0634.0	III	B	2	30	160	
			IZMI	0633.1	0634.4	V	G	2	25	160	
			IZMI	0642.7	0643.1	III	G	2	105	240	
			IZMI	0648.9	0649.1	III	B	1	45	65	
			SVTO	0803.0	0804.0	III		1	28	46	
			IZMI	0803.6	0804.0	III	G	1	45	95	
			SVTO	0827.0	0854.0	III		1	29	59	
			IZMI	1140.5	1140.7	III	G	1	190	240	
			HOLL	1252.0	1301.0	III		1	25	180	
			SVTO	1311.0	1311.0	III		1	29	69	
	0545	1715	BLEN	1323.8	1324.3	III	N	1	220X	550X	
			BLEN	1701.0	1709.2	DCIM	P	3	1000X	2650	
			HOLL	1713.0	1718.0	II		2	25U	86U	ESS 0911
			PALE	1840.0	2255.0	CONT		1	25	180	
			PALE	1913.0	2124.0	III	N	1	25	180	
			HOLL	1914.0	2114.0	III	N	1	25	180	
			SGMR	1914.0	2337.0	CONT		2	30	80	
	2006	2400	HIRA								
	2045	2400	CULG	2100.0	2316.0	III	N	1	20	90	
29	0000	0730	CULG	0051.0	0051.0	III	B	1	30	90	
			CULG	0327.0	0328.0	III	G	1	23	90	

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29			CULG	0338.0	0338.0	III	B	1	30	80	
			LEAR	0423.0	0424.0	III		1	25	114	
			CULG	0424.0	0425.0	III	G	1	28	90	
			CULG	0537.0	0541.0	III	GG	1	28U	90	
			LEAR	0537.0	0541.0	III		1	25	111	
			SVTO	0537.0	0541.0	III		1	25	83	
	0545	1715	BLEN	0611.1	0612.4	III	GG,U,RS	2	300	470	
			CULG	0646.0	0646.0	III	B	1	28	90	
			LEAR	0646.0	0657.0	V		2	25	110	
			SVTO	0646.0	0752.0	III	N	2	25U	180U	
	0600	1200	IZMI	0646.1	0646.5	III	G	2	30	100	
			CULG	0654.0	0655.0	III	G	2	25	90	
			IZMI	0654.2	0655.2	III	GG	2	25X	120	
			CULG	0657.0	0659.0	III	G	1	50	90	
			IZMI	0657.7	0658.3	III	G	2	45	105	
			IZMI	0659.2	0659.5	III	G	1	45	100	
			IZMI	0711.8	0711.9	III	B	1	45	95	
			IZMI	0715.6	0715.7	III	B	1	45	95	
			LEAR	0732.0	0752.0	III	N	2	25	180	
			IZMI	0732.6	0733.2U	III	G,FS	2	30	130	
			IZMI	0734.7	0737.0	III	GG	2	35	100	
			IZMI	0745.1	0753.3	III	GG,C,FS	2	25X	270X	
	0000	0911	HIRA	0746.0	0751.0	III	G	2	30	900	
	0520	1641	ONDR	0748.3	0750.3	DCIM	G,SP	1	800X	1236	
			BLEN	0748.5	0750.6	III	GG	3	220X	550X	
			IZMI	0803.6	0804.1	III	G	1	45	120	
			ONDR	0809.3	0809.5	DCIM	GG,SP	2	955	1212	
			IZMI	0811.4	0811.5	III	B	2	230	270X	
			IZMI	0817.1	0818.1	III	G	1	45	90	
			IZMI	0832.9	0833.5	III	G	1	120	230	
			IZMI	0847.2	0847.5	III	G	2	125	270X	
			SVTO	0859.0	0949.0	III	N	2	25	145	
			IZMI	0859.8	0900.0	III	B	2	40	120	
			IZMI	0912.2	0912.4	III	B	2	25	120	
			IZMI	0923.4	0924.8	III	GG	2	25X	165	
			IZMI	0928.1	0929.0	III	G	1	45	135	
			IZMI	0932.0	0932.3	III	G	2	35	100	
			IZMI	0936.2	0936.5	III	G	2	25X	95	
			IZMI	0948.8	0949.6	III	G	2	25X	160	
			SVTO	1026.0	1031.0	III		2	25	81	
			IZMI	1026.3	1026.9	III	G	2	25X	100	
			IZMI	1028.5	1029.4	III	G	2	30	100	
			IZMI	1031.0	1031.3	III	G	2	30	95	
			IZMI	1040.6	1041.0	UNCLF		2	180	215	
			IZMI	1041.3	1042.6	I	GG	1	215	250	
			IZMI	1043.9	1044.5	III	GG	2	110	225	
			IZMI	1052.2	1058.7	III	N	1	45	95	
			IZMI	1113.0	1115.6	III	GG	2	45	165	
			SGMR	1117.0	1126.0	III		1	30	60	
			SVTO	1117.0	1126.0	III		2	25U	82U	
			IZMI	1117.7	1118.5	III	GG,C	2	25X	100	
			IZMI	1123.2	1123.4	III	B	2	45	90	
			IZMI	1125.9	1126.7	III	G	2	25X	95	
			IZMI	1129.0U	1200.0D	I	S	2	95	220	
			SGMR	1208.0	1214.0	III		1	30	80	
			SVTO	1208.0	1214.0	V		3	25	144	
			SVTO	1307.0	1357.0	III	N	1	25U	83U	
			SGMR	1328.0	1328.0	III		1	30	60	
			ONDR	1510.5	1516.4	DCIM	G,W	1	2000X	4500X	
			BLEN	1516.4	1517.6	III	GG,U	3	230	420	
	2007	2400	HIRA								
	2045	2400	CULG	2327.0	2327.0	III	B	1	60	160	
			PALE	2347.0	0216.0	III	N	1	25	180	
30			LEAR	0001.0	0002.0	III		1	25	180	
	0000	0730	CULG	0002.0	0002.0	III	B	1	60	180	
			CULG	0031.0	0605.0	III	S,C	1	30	180	
			LEAR	0053.0	0753.0	III	N	2	25	180	
			CULG	0102.0	0105.0	III	G	2	18	180	

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30	0000	0910	HIRA	0106.0	0108.0	III	G	2	25X	300	
			SVTO	0452.0	0625.0	CONT		1	36U	163U	
	0602	1201	IZMI	0602.0E	0720.0U	I	N	1	45	240	
			IZMI	0611.1	0611.3	III	G	1	205	270X	
			BLEN	0611.3	0612.4	III	GG,U	2	300	480	
			IZMI	0632.5	0632.6	III	B	1	45	145	
			CULG	0637.0	0640.0	III	G	2	23	180	
			IZMI	0637.1	0641.5	III	GG	2	25X	250	
			HIRA	0637.5	0639.0	III	G	2	50	180	
			SVTO	0726.0	0737.0	III	N	1	25	81	
			IZMI	0726.6	0726.8	III	B	2	30	145	
			IZMI	0737.2	0737.6	III	B,U	2	30	95	
			IZMI	0742.4	0742.7U	III	G	2	50	270	
	0522	1640	ONDR	0757.0	0757.3	DCIM	GG	2	1086	1925	
			IZMI	0807.5	0807.5	III	B	1	50	95	
			IZMI	0834.3	0834.3	III	B,FS	2	45	85	
			IZMI	0856.0U	1056.0U	III	N	1	200	250	
			IZMI	0953.8	0953.9	III	B	1	45	70	
			IZMI	1004.5	1006.8	III	G,RS	1	45	70	
			SVTO	1006.0	1241.0	III	N	1	28U	82U	
			IZMI	1042.0	1042.5	III	G	2	45	100	
			IZMI	1057.8	1058.1	III	G	2	45	160	
			IZMI	1110.4	1110.7	III	B,C	2	45	145	
			IZMI	1112.2	1112.4	III	B	1	45	65	
			IZMI	1119.6	1119.8	III	B	1	45	95	
			IZMI	1122.0U	1133.3	I	N	1	200	270	
			IZMI	1127.4	1127.6	III	G	1	45	145	
			IZMI	1133.3	1133.8	III	G	2	45	270X	
			IZMI	1133.9	1201.0D	I	S	2	70	270	
			SVTO	1148.0	1149.0	III		2	25	180	
			IZMI	1148.7	1150.1	III	G	2	25X	255	
			IZMI	1155.4	1156.1	III	G	1	50	270X	
			IZMI	1159.2	1201.0D	III	N	1	45	90	
	0545	1715	BLEN	1306.5	1306.7	III		3	360	440	
			SGMR	1320.0	1321.0	III		1	30	75	
			SVTO	1320.0	1320.0	III		1	25	160	
			SVTO	1505.0	1506.0	III		1	40U	82U	
			ONDR	1525.5	1527.0	DCIM	G	2	800X	1362	
			ONDR	1600.3	1608.1	DCIM	G	1	800X	1231	
			BLEN	1600.8	1601.7	DCIM	C	1	1000X	1800	
			PALE	1929.0	2043.0	III	N	1	25	95	
			HOLL	2030.0	2033.0	III		1	25	167	
	2045	2400	CULG	2208.0	2208.0	III	B	1	23	130	
			CULG	2224.0	2225.0	III	G	1	28	180	
	2007	2400	HIRA	2224.0	2224.5	III	B	1	50	210	
			CULG	2235.0	2235.0	III	B	1	28	170	
			CULG	2251.0	2334.0	III	S	1	40	170	
			LEAR	2252.0	2357.0	CONT		1	50	158	
31			LEAR	0038.0	0039.0	III		1	25	102	
	0000	0730	CULG	0038.0	0040.0	III	G	1	30	100	
			CULG	0150.0	0150.0	III	B	1	30	150	
			CULG	0443.0	0448.0	III	G	1	30	180	
	0523	1637	ONDR								
			CULG	0540.0	0542.0	III	G	1	23	180	
			SVTO	0540.0	0541.0	III		1	25	82	
	0000	0910	HIRA	0541.0	0541.5	III	B	2	50	150	
	0551	1200	IZMI	0551.0E	1200.0D	I	N	1	105	240	
			CULG	0602.0	0603.0	III	G	1	25	180	
			LEAR	0602.0	0654.0	III	N	1	25	180	
			SVTO	0602.0	0654.0	III	N	1	25	84	
			IZMI	0602.2	0603.7	III	GG	2	30	270X	
			IZMI	0610.9	0611.2	III	G	2	25	135	
			CULG	0611.0	0611.0	III	B	2	23	130	
			IZMI	0614.0	0614.0	III	B	1	45	60	
			IZMI	0615.9	0617.5	III	GG	2	45	160	
			CULG	0616.0	0617.0	III	G	1	23	160	
			IZMI	0627.6	0627.8	III	G	1	45	100	
			CULG	0636.0	0655.0	III	N	1	25	180	

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31			IZMI	0636.2	0636.6	III	G	1	45	90	
			IZMI	0643.3	0643.8	III	G	2	45	270X	
			IZMI	0653.1	0655.0	III	GG	2	30	160	
			LEAR	0734.0	0735.0	III		2	25	180	
			SVTO	0734.0	0735.0	III		2	25U	122U	
			IZMI	0734.2	0735.1	III	GG	2	25X	185	
			HIRA	0734.5	0735.0	III	B	2	30	190	
			IZMI	0745.8	0748.6	I	GG,DS	2	120	160	
			LEAR	0746.0	0748.0	III		1	25	180	
			SVTO	0746.0	0747.0	III		1	25	82	
			IZMI	0746.2	0746.4	III	B	2	25X	180	
			IZMI	0746.7	0749.1	III	GG,C	2	30	100	
			IZMI	0750.2	0750.6	III	G	1	45	90	
			IZMI	0828.1	0828.7	III	G	2	45	90	
			IZMI	0853.1	0853.2	III	G	1	45	215	
			SVTO	0904.0	0904.0	III		1	26U	81U	
			IZMI	0904.2	0904.8	III	G	2	25	170	
			SVTO	0913.0	0913.0	III		1	27U	48U	
			IZMI	0913.5	0913.9	III	G	2	25	180	
			IZMI	0940.6	0941.1	III	GG,C	2	180	270X	
	0545	1715	BLEN	0940.7	0941.2	III	GG	2	220X	550X	
			IZMI	0956.7	0957.1	III	G	1	45	95	
			IZMI	1003.9	1007.4	III	GG	1	45	95	
			IZMI	1048.0	1048.3	III	G	1	45U	240	
			IZMI	1049.6	1050.8	III	GG	1	25X	270X	
			BLEN	1236.3	1520.3	I	DC	2	240	320	
			SVTO	1238.0	1702.0	CONT		1	25	180	
			SGMR	1323.0	2257.0	III	N	1	30	80	
			SVTO	1403.0	1409.0	III		2	25	80	
			HOLL	1404.0	1406.0	III		1	25	153	
			HOLL	1416.0	1416.0	III		1	25	85	
			HOLL	1452.0	1453.0	III		1	25	84	
			HOLL	1533.0	1535.0	III		1	25	170	
			SVTO	1535.0	1538.0	III		2	28U	131U	
			HOLL	1537.0	1538.0	III		1	25	180	
			HOLL	1725.0	1726.0	III		1	25	135	
			PALE	1725.0	1905.0	III	N	1	25	180	
			PALE	1809.0	1926.0	CONT		1	25	180	
			HOLL	1818.0	1820.0	III		1	25	180	
	2008	2400	HIRA								
	2045	2400	CULG	2051.0	2309.0	I	S	1	110	170	
			CULG	2101.0	2102.0	III	G	1	30	160	
			CULG	2105.0	2110.0	III	G	1	40	140	

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
PALE = Palehua POTS = Potsdam SGMR = Sagamore Hill SVTO = San Vito
BLEN = Bleien