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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
01	0000	0742	HIRA								
	0050	0800	CULG								
	0720	1510	BLEN								
	0700	1200	IZMI	0724.6	0724.8	III	G	2	110	190	
			IZMI	0905.4	0906.5	III	GG,C	2	40	180	
			IZMI	0911.2	0912.5	III	B	2	45	160	
			IZMI	0937.0	0937.3	III	B	1	45	90	
	0709	1420	ONDR	1012.2	1016.0	DCIM	G	1	800X	1742	
			IZMI	1108.2	1108.7	III	GG	2	65	250	
			SVTO	1139.0	1139.0	III		2	75	159	
			IZMI	1139.4	1139.8	III	G,C	2	40	270X	
			SGMR	1724.0	1900.0	CONT		1	30	80	
	2000	2400	CULG	2000.0E	2100.0	III	N	1	20	120	
	2101	2338	HIRA								
			CULG	2314.0	2316.0	III	G	1	30	90	
02	0000	0800	CULG								
	0334	0741	HIRA								
	0711	1417	ONDR								
	0720	1510	BLEN								
	0700	1200	IZMI	0753.0	0753.1	III	B	1	40	95	
			IZMI	0835.1	0835.3	III	G	1	45	70	
			IZMI	0956.7	0956.9	III	B	1	40	65	
			SVTO	1038.0	1039.0	III		1	49U	75U	
	2000	2400	CULG	2221.0	2221.0	III	B	1	30	70	
			CULG	2243.0	2244.0	III	G	1	130	180U	
			LEAR	2243.0	2243.0	III		1	80	180	
	2102	2400	HIRA	2243.0	2244.0	III	B	2	120	220	
03			LEAR	0030.0	0032.0	III		1	35	180	
	0000	0800	CULG	0031.0	0033.0	III	G	1	35	260	
	0000	0740	HIRA	0031.5	0032.0	III	B	2	80	210	
			CULG	0135.0	0135.0	III	B	1	50	180	
			HIRA	0135.0	0135.5	III	B	2	50	160	
			LEAR	0135.0	0135.0	III		1	54	167	
			CULG	0259.0	0301.0	III	G	3	20	180	
			LEAR	0259.0	0307.0	III		2	25	180	
			CULG	0330.0	0333.0	III	G	3	18X	170	
			LEAR	0330.0	0332.0	III		2	25	180	
			HIRA	0330.5	0332.5	III	G	3	25X	160	
			CULG	0353.0	0353.0	III	B	2	23	100	
			LEAR	0353.0	0356.0	III		1	25	135	
	0713	1415	ONDR								
	0720	1500	BLEN	0720.0X	1500.0X	I		1	220X	340	
			BLEN	0946.1	0950.0	III		2	220X	410	
	0650	1200	IZMI	1043.3	1043.8	III	G	2	30	95	
			IZMI	1100.4	1100.7	III	G,HARM	2	45	170	
			SVTO	1237.0	1240.0	III		2	25	180	
			SVTO	1305.0	1306.0	III		1	30U	148U	
			SVTO	1323.0	1327.0	III		2	30U	180U	
			HOLL	1359.0	1359.0	III		1	25	180	
			SVTO	1359.0	1359.0	III		2	34U	180U	
			SVTO	1404.0	1521.0	CONT		1	35U	154U	
			HOLL	1522.0	1522.0	III		1	25	150	
			HOLL	1547.0	1550.0	III		1	25	180	
			HOLL	1744.0	1745.0	III		1	25	180	
			HOLL	1748.0	1749.0	III		1	25	172	
			HOLL	1824.0	1826.0	III		1	25	135	
			HOLL	1840.0	1841.0	III		1	25	87	
			HOLL	1854.0	1858.0	III		1	25	180	
	2000	2400	CULG	2000.0E	2253.0	I	S,C	1	40	150	
			CULG	2004.0	2031.0	III	N	1	25	100	
	2103	2400	HIRA								
			CULG	2125.0	2125.0	III	B	2	23	160	
			HOLL	2125.0	2125.0	III		1	25	130	
			LEAR	2155.0	0305.0	CONT		1	25	180	
04	0000	0739	HIRA	0008.0	0009.0	III	G	2	50	120	
	0000	0800	CULG	0008.0	0009.0	III	G	2	23	130	

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04			CULG	0013.0	0013.0	III	B	2	18	110	
			CULG	0455.0	0456.0	III	G	1	20	160	
			LEAR	0455.0	0455.0	III		1	25	148	
			LEAR	0526.0	0528.0	III		1	32	133	
			CULG	0527.0	0528.0	III	G	1	28	130	
			LEAR	0559.0	0600.0	III		1	25	139	
			CULG	0600.0	0600.0	III	B	2	20	130	
			CULG	0635.0	0635.0	III	B	1	28	70	
	0659	1200	IZMI	0659.1	0704.0	III	N,FS	1	45	90	
	0715	1413	ONDR								
			LEAR	0721.0	0850.0	III	N	1	25	180	
			IZMI	0721.2	0721.8	III	G,FS	2	40	160	
			CULG	0722.0	0722.0	III	B	1	23	140	
			CULG	0730.0	0732.0	III	G	1	23	150	
			IZMI	0730.3	0732.6	III	GG	2	35	140	
	0725	1500	BLEN	0737.5	0738.9	III	GG	3	400	550X	
			BLEN	0738.5	0802.0	I	DC,C	2	220X	440	
			IZMI	0753.7	0756.1	III	GG	1	40	60	
			IZMI	0803.6	0804.7	III	G	2	30	270X	
			LEAR	0804.0	0804.0	III		3	25	180	
			SVTO	0804.0	0804.0	III		2	25U	170U	
			IZMI	0804.1	0804.4	V		2	45	90	
			IZMI	0823.2	0823.6	III	G	2	50	160	
			IZMI	0850.1	0850.4	III	G	1	90	180	
			IZMI	0904.4	0904.6	III	B	1	45	95	
			IZMI	0911.5	0911.6	III	B	1	45	95	
			BLEN	0920.0	1500.0X	I	DC,C	1	220X	440	
			IZMI	0959.4	1000.7	III	G,FS	2	45	90	
			SVTO	1018.0	1029.0	CONT		2	50	159	
			IZMI	1018.1	1019.0	III	GG	2	35	260	
			BLEN	1020.3	1021.5	III	GG	3	220X	400	
			IZMI	1020.3	1021.9	III	GG,FS	2	45	270X	
			IZMI	1024.5	1029.8	III	GG	2	30	270X	
			IZMI	1030.0U	1111.0U	I	N	1	80	270X	
			IZMI	1038.7	1039.4	III	G	2	70	170	
			IZMI	1126.6	1126.8	III	G	1	110	180	
	2000	2400	CULG	2004.0	2005.0	III	G	1	25	95	
			CULG	2039.0	2043.0	III	GG	2	20	150	
			CULG	2049.0	2052.0	III	G	1	23	180	
			CULG	2105.0	2106.0	III	G	1	60	100	
			CULG	2202.0	2203.0	III	G	2	18X	160	
			HOLL	2202.0	2203.0	III		1	25	87	
			LEAR	2202.0	2202.0	III		1	25	118	
	2104	2400	HIRA	2202.5	2203.0	III	B	2	50	100	
			CULG	2215.0	2216.0	III	G	1	40	90	
			CULG	2234.0	2236.0	III	G	1	40	150	
			CULG	2325.0	2325.0	III	G	1	60	150	
			LEAR	2334.0	2341.0	III		1	25	87	
			CULG	2335.0	2335.0	III	B	1	18	150	
			CULG	2342.0	2342.0	III	B	1	28	130	
			LEAR	2355.0	2357.0	III		2	25	180	
			CULG	2356.0	2357.0	III	G	3	18X	180	
			HIRA	2356.0	2357.0	III	B	3	30	190	
05	0000	0800	CULG	0044.0	0047.0	UNCLF		1	500	700	
			LEAR	0055.0	0055.0	III		2	25	149	
			CULG	0056.0	0056.0	III	B	1	23	160	
	0000	0738	HIRA	0120.0	0120.5	III	B	2	30	130	
			LEAR	0122.0	0122.0	III		2	25	146	
			CULG	0127.0	0132.0	UNCLF		1	270	420	
			CULG	0131.0	0134.0	III	G	2	20	300	
			LEAR	0131.0	0133.0	III		2	25	178	
			HIRA	0133.0	0133.5	III	B	2	50	300	
			CULG	0139.0	0141.0	III	G	1	110	420	
			LEAR	0230.0	0231.0	III		1	32	175	
			CULG	0231.0	0232.0	III	G	1	30	240	
			CULG	0251.0	0251.0	III	B	1	30	150	
			LEAR	0251.0	0257.0	III		1	30	138	
			CULG	0257.0	0257.0	III	B	1	30	90	

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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
05			CULG	0329.0	0330.0	III	G	1	23	180	
			LEAR	0329.0	0330.0	III		1	26	180	
			CULG	0357.0	0357.0	III	G	1	30	60	
			LEAR	0357.0	0357.0	III		1	38	58	
			CULG	0409.0	0412.0	III	G	1	30	90	
			LEAR	0642.0	0742.0	III	N	1	39	136	
			CULG	0700.0	0701.0	III	G	1	23	80	
	0657	1200	IZMI	0700.0	0701.2	III	G	1	45	95	
			IZMI	0708.0	0709.4	III	G,FS	1	45	240	
			CULG	0709.0	0709.0	III	B	1	30	50	
			IZMI	0711.1	0711.5	III	G	1	75	95	
	0717	1411	ONDR								
			IZMI	0724.0	1200.0D	I	N	1	120	270	
	0725	1500	BLEN	0725.0X	1500.0X	I		2	220X	350	
			CULG	0735.0	0738.0	III	G	1	40	90	
			IZMI	0736.0	0738.3	III	N	1	45	100	
			IZMI	0811.5	0812.8	I	GG,DS	2	190	230	
			IZMI	0814.1	0817.2	I	GG,DS	2	145	230	
			IZMI	1014.3	1014.3	III	B	2	190	220	
			IZMI	1152.8	1153.7	I	GG,DS	2	120	160	
	2000	2400	CULG	2027.0	2028.0	III	G	1	30	90	
			LEAR	2231.0	2232.0	III		1	25	140	
			CULG	2232.0	2233.0	III	G	2	23	160	
	2105	2400	HIRA	2232.0	2232.5	III	B	1	40	150	
			LEAR	2317.0	2323.0	III		1	25	63	
			CULG	2324.0	2324.0	III	B	1	20	60	
06			LEAR	0152.0	0155.0	III		2	25	180	
	0000	0800	CULG	0152.0	0156.0	III	G	2	18	180	
			PALE	0153.0	0154.0	III		1	25	180	
	0000	0738	HIRA	0154.0	0154.5	III	B	2	50	130	
			HIRA	0318.0	0318.5	III	B	2	120	400	
			LEAR	0732.0	0733.0	III		1	40	180	
			SVTO	0732.0	0733.0	III		1	61	180	
	0650	1200	IZMI	0732.8	0733.1	III	GG,FS	3	45	270X	
	0725	1500	BLEN	0732.8	0735.3	III	GG	3	220X	500	
			CULG	0733.0	0733.0	III	B	2	40	180	
			IZMI	0734.9	0735.3	III	G	2	255	270X	
			BLEN	0826.8	0827.9	III	GG,U	3	290	400	
			IZMI	0932.7	0936.2	III	GG,C	2	30	270X	
			LEAR	0933.0	0936.0	III		1	25	180	
			ONDR	0934.0	0935.3	DCIM	G	1	800X	2000X	
			SVTO	0934.0	0935.0	III		1	25U	180U	
	0719	1409	ONDR	0934.1	0935.4	CONT		1	2000X	4500X	
			BLEN	0934.3	0935.9	DCIM	P,S	3	220X	550X	
			IZMI	1123.4	1123.7	III	G	1	45	95	
			SVTO	1234.0	1237.0	III		1	55	180	
			BLEN	1234.6	1235.5	III	GG,U,V	3	220X	390	
			HOLL	1633.0	1634.0	III		1	25U	63U	
			HOLL	2217.0	2219.0	III		1	25	166	
			LEAR	2217.0	2222.0	III		1	25	180	
			PALE	2217.0	2237.0	III	N	1	25U	65U	
	2000	2400	CULG	2218.0	2219.0	III	G	2	18X	180	
	2105	2400	HIRA	2218.0	2218.5	III	B	2	50	120	
			CULG	2221.0	2223.0	III	G	1	40	150	
			LEAR	2235.0	2237.0	V		1	25	175	
			CULG	2236.0	2238.0	III	G	2	18X	180	
			HIRA	2236.0	2237.0	III	B	2	40	170	
			HOLL	2236.0	2237.0	III		1	25	169	
			CULG	2339.0	2339.0	III	B	1	30	130	
			LEAR	2339.0	2339.0	III		1	26	150	
			CULG	2343.0	2344.0	III	G	2	20	130	
			HIRA	2343.0	2343.5	III	B	2	40	110	
			CULG	2350.0	2350.0	III	B	1	20	140	
07	0000	0800	CULG	0007.0	0010.0	III	G	2	18	180	
	0000	0322	HIRA	0008.5	0010.0	III	G	2	50	180	
			CULG	0016.0	0017.0	III	G	1	40	130	
			CULG	0048.0	0051.0	III	G	2	18X	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
07			HIRA	0048.0	0048.5	III	B	2	50	120	
			PALE	0048.0	0050.0	III		1	25	155	
			HIRA	0050.5	0051.0	III	B	3	30	210	
	0400	0737	HIRA								
			SVTO	0548.0	1408.0	CONT		1	25	180	
			CULG	0628.0	0628.0	III	B	2	18	180	
			LEAR	0628.0	0629.0	III		1	25	150	
			CULG	0633.0	0633.0	III	B	1	25	40	
	0650	1207	IZMI	0720.7	0720.9	III	B	1	45	95	
			CULG	0721.0	0721.0	III	B	1	20	80	
	0740	1500	BLEN								
			IZMI	1034.5	1034.6	III	B	1	40	70	
			ONDR	1158.3	1208.0	CONT		1	988	2000X	
	0721	1407	ONDR	1158.3	1206.0	CONT		2	2000X	4500X	
	2000	2400	CULG	2013.0	2013.0	III	B	1	20	75	
			CULG	2032.0	2033.0	III	G	1	20	120	
	2106	2400	HIRA								
			CULG	2222.0	2224.0	III	G	1	18	90	
			LEAR	2342.0	2349.0	III		1	25	135	
08	0000	0800	CULG	0110.0	0110.0	III	B	1	28	80	
	0000	0223	HIRA	0133.0	0133.5	III	B	1	50	500	
	0305	0735	HIRA								
			CULG	0311.0	0311.0	III	B	1	28	60	
			SVTO	0553.0	0743.0	III	N	1	25	180	
			LEAR	0559.0	0600.0	III		1	25	127	
			CULG	0600.0	0601.0	III	G	2	18	100	
	0740	1500	BLEN	0740.0X	1145.0	I	N	1	220X	330	
			BLEN	0950.6	0953.5	III	GG	2	220X	550X	
	0659	1200	IZMI	0951.0	0951.8	III	B	2	45	215	
	0723	1405	ONDR	0951.2	0953.5	CONT		1	2000X	4500X	
			ONDR	0951.4	0953.4	CONT	W	1	800X	2000X	
			SVTO	1045.0	1053.0	III		1	53U	162U	
			BLEN	1045.8	1053.6	III	GG	3	220X	500	
			IZMI	1045.8	1046.3	III	G	2	110	270X	
			IZMI	1053.0	1053.2	III	G	2	85	270X	
	2000	2400	CULG	2246.0	2351.0	III	S,C	1	18X	180	
	2108	2400	HIRA	2249.0	2324.0	III	G	2	25X	400	
			LEAR	2250.0	2250.0	III		1	66	170	
			LEAR	2251.0	2330.0	IV		1	25	180	
			CULG	2252.0	2308.0	III	GG	2	18	140	
			HIRA	2306.0	2345.0	IV		1	500	2000	
			HOLL	2306.0	2307.0	III		1	51	142	
			CULG	2316.0	2322.0	UNCLF		2	100	200	
			HOLL	2316.0	2318.0	III		1	109U	180U	
			LEAR	2330.0	0002.0	III	N	1	25	106	
09	0000	0104	HIRA								
	0306	0735	HIRA								
	0000	0800	CULG	0317.0	0317.0	III	B	1	30	120	
			CULG	0557.0	0558.0	III	G	1	40	90	
			LEAR	0557.0	0557.0	III		1	25	144	
	0726	1403	ONDR								
	0740	1500	BLEN	1018.9	1019.2	III	GG	2	220X	480	
	0650	1200	IZMI	1019.0	1019.1	III	G	2	130	270X	
			BLEN	1229.8	1230.0	III	GG,S	2	220X	550X	
			SVTO	1230.0	1230.0	III		1	35	180	
			BLEN	1300.7	1301.2	III	GG	1	320	550X	
			BLEN	1302.0	1420.0	I	DC	2	220X	400	
			HOLL	1538.0	1600.0	III	N	2	25	180	
	2000	2400	CULG	2016.0	2123.0	III	N	1	20	180	
			HOLL	2116.0	2130.0	III	N	1	25	172	
			CULG	2123.0	2132.0	II	FN	1	18X	55	ESS 1000
			CULG	2125.0	2134.0	II	SH	1	25	90	
			CULG	2129.0	2131.0	III	G	2	18X	70	
			LEAR	2247.0	2250.0	III		1	25	180	
			CULG	2248.0	2250.0	III	G	1	18	180	
			HOLL	2248.0	2249.0	III		1	75	171	
	2109	2400	HIRA	2248.0	2249.0	III	B	1	50	260	

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09			CULG	2256.0	2257.0	II	SH	1	320	450	
			CULG	2257.0	2258.0	II	FN	1	140	200	
10	0000	0734	HIRA								
	0000	0800	CULG								
	0728	1401	ONDR								
	0750	1450	BLEN	0812.0	1450.0X	I	DC	3	220X	400	
	0726	1200	IZMI	0818.6	0818.8	III	B	1	45	95	
	2000	2400	CULG	2029.0	2029.0	III	B	1	100	180	
			HOLL	2235.0	2237.0	III		1	33	167	
			CULG	2236.0	2238.0	III	G	2	28	180	
			LEAR	2236.0	2238.0	III		2	25	180	
	2110	2400	HIRA	2236.0	2238.0	III	B	3	30	240	
			CULG	2242.0	2242.0	III	B	1	100	180	
11	0000	0733	HIRA								
	0000	0800	CULG								
	0730	1359	ONDR								
	0755	1450	BLEN	0800.0	1225.0	I	DC	2	220X	380	
	0650	1200	IZMI	0808.6	0809.0	III	G	2	45	95	
			IZMI	0829.7	0832.4	III	G	1	50	240	
	2000	2400	CULG								
	2111	2400	HIRA								
12	0000	0732	HIRA								
			LEAR	0402.0	0403.0	III		1	31	116	
	0000	0800	CULG	0402.0	0403.0	III	G	1	25	90	
			CULG	0622.0	0623.0	III	G	2	18	160	
			CULG	0622.0	0627.0	V		2	18	35	
			LEAR	0622.0	0622.0	III		1	25	107	
			SVTO	0622.0	0622.0	III		1	75	163	
	0732	1357	ONDR								
	0712	1200	IZMI	0812.0	0812.3	III	G,C	2	45	95	
			IZMI	0819.5	0819.9	III	B	1	45	95	
			LEAR	0848.0	0849.0	III		2	25	180	
			SVTO	0848.0	0849.0	III		2	25	180	
			IZMI	0848.6	0850.1	III	GG,C	2	25	270X	
	0755	1450	BLEN	0848.7	0859.1	III	GG,S	3	220X	420	
			IZMI	0851.9	0852.3	III	G	2	40	170	
			IZMI	0853.0	0853.3	III	G	2	145	270X	
			IZMI	0903.6	0910.6	III	N	1	45	95	
			SVTO	0915.0	0916.0	III		1	48	140	
			IZMI	0945.4	0946.3	III	GG,FS	2	50	245	
			IZMI	0952.2	0952.6	III	G	1	40	270	
			IZMI	0953.3	0953.7	III	B	1	45	95	
			BLEN	1016.8	1017.2	III	GG,S	3	220X	430	
			IZMI	1016.9	1017.1	III	G	2	180	270X	
			IZMI	1121.9	1122.1	III	B	2	35	90	
			BLEN	1238.9	1240.2	DCIM	S	2	250	380	
			BLEN	1406.0	1450.0X	I	DC,C	3	220X	550X	
	2000	2400	CULG	2010.0	2010.0	III	B	1	20	70	
	2112	2400	HIRA								
			CULG	2139.0	2139.0	III	B	1	25	80	
			CULG	2204.0	2204.0	III	B	1	20	80	
			CULG	2317.0	2317.0	III	B	1	20	50	
13	0000	0731	HIRA								
			LEAR	0659.0	0700.0	III		1	30	164	
			SVTO	0659.0	0659.0	III		1	75	180	
	0000	0800	CULG	0659.0	0659.0	III	B	1	28	180	
	0658	1200	IZMI	0659.1	0659.8	III	G	2	40	200U	
	0734	1355	ONDR								
	0755	1450	BLEN	0755.0X	1450.0X	I	N	1	220X	300	
			IZMI	0951.2	0951.3	III	B	2	45	55	
			IZMI	1048.0	1048.3	III	B	1	45	95	
			BLEN	1346.7	1346.9	III	G	1	480	550X	
			PALE	1840.0	1844.0	III		1	25	55	
	2000	2400	CULG	2152.0	2154.0	III	G	2	23	180	
	2113	2400	HIRA	2153.5	2154.0	III	B	1	40	180	

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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
13			LEAR	2228.0	2228.0	III		1	25	180	
			PALE	2228.0	2228.0	III		1	45U	175U	
			CULG	2229.0	2229.0	III	B	1	35	180	
			HIRA	2233.5	2334.0	III	B	1	40	200	
			LEAR	2245.0	2252.0	III		1	25	140	
			CULG	2246.0	2246.0	III	B	1	35	180	
			HIRA	2246.0	2246.5	III	B	1	50	240	
			HIRA	2250.5	2251.0	III	B	1	30	210	
			CULG	2251.0	2251.0	III	B	1	30	140	
			CULG	2306.0	2306.0	III	B	1	30	70	
			CULG	2328.0	2331.0	III	G	1	25	250	
			HIRA	2328.0	2330.5	III	G	1	50	220	
			LEAR	2328.0	2330.0	III		1	28	180	
			CULG	2348.0	2349.0	III	G	1	35	100	
14			LEAR	0040.0	0043.0	III		1	30	157	
	0000	0800	CULG	0041.0	0043.0	III	G	1	30	180	
			LEAR	0103.0	0103.0	III		1	25	152	
			CULG	0109.0	0109.0	III	B	1	30	160	
			CULG	0249.0	0251.0	III	G	1	30	180	
			LEAR	0249.0	0251.0	III		1	25	180	
	0000	0730	HIRA	0249.0	0251.5	III	G	2	50	300	
			LEAR	0339.0	0340.0	III		1	25	180	
			CULG	0340.0	0341.0	III	G	1	25	180	
			HIRA	0340.0	0340.5	III	B	2	60	230	
			CULG	0416.0	0416.0	III	B	1	28	180	
			HIRA	0416.0	0416.5	III	B	2	60	120	
			LEAR	0416.0	0421.0	III		1	25	180	
			CULG	0420.0	0421.0	III	G	2	35	250	
			HIRA	0420.0	0420.5	III	B	3	50	300	
			LEAR	0434.0	0524.0	III	N	1	25	180	
			LEAR	0434.0	0525.0	III	N	1	25	180	
			CULG	0435.0	0436.0	III	G	2	30	230	
			HIRA	0435.0	0436.0	III	B	3	50	260	
			CULG	0443.0	0443.0	III	B	1	30	180	
			CULG	0457.0	0500.0	III	G	1	28	330	
			HIRA	0457.0	0459.5	III	G	2	50	410	
			CULG	0525.0	0525.0	III	B	1	40	180	
	0700	1200	IZMI	0700.0E	0800.0	I	N	1	190U	270	
			IZMI	0721.7	0725.4	III	GG,FS	2	45	95U	
			IZMI	0727.0	0728.0	III	GG,FS	2	45	95	
			LEAR	0754.0	0821.0	III	N	3	25	180	
			IZMI	0754.1	0802.7	III	GG,FS	2	30	270X	
	0736	1354	ONDR	0754.3	0758.1	CONT	SP	1	800X	1170	
	0755	1450	BLEN	0755 X	0950.0	I	DC,C	3	220X	550X	
			IZMI	0755.0U	0800.7	CONT		2	45	95U	
			SVTO	0755.0	0800.0	III		2	27U	151U	
			IZMI	0800.0U	0840.0U	I	S	2	190U	270X	
			IZMI	0803.2	0805.0	I	GG,DS	3	50	75	
			IZMI	0809.5	0812.2	II	HARM	2	45	95U	
			IZMI	0812.0U	1049.0U	IV		2	45	95U	
			IZMI	0820.6	0821.3	I	GG,DS	2	45	95U	
			LEAR	0831.0	1024.0	IV		1	25	180	
			SVTO	0831.0	1209.0	IV		1	63U	132U	
			IZMI	0840.0U	1200.0D	I	N	1	190U	270	
			IZMI	0842.0U	1005.0	III	N	1		95U	
			SVTO	0902.0	0905.0	II		1	28	41	ESS 1154
			IZMI	1026.5	1026.7	III	G	2	50	255	
			IZMI	1030.4	1031.0	III	GG	2	30	270X	
			BLEN	1030.5	1033.0	III	GG,S	3	220X	400	
			IZMI	1031.5	1032.6	III	GG	2	80	270X	
			IZMI	1042.2	1042.5	III	G	1	80	270	
			IZMI	1115.8	1117.8	III	GG	2	40	270X	
			BLEN	1122.2	1122.5	III	GG,S	2	220X	350	
			IZMI	1153.1	1155.1	III	GG	2	190U	270X	
			SGMR	1334.0	1335.0	III		1	30	45	
			HOLL	1912.0	1914.0	III		1	25	180	
			SGMR	1913.0	1914.0	III		1	30	80	
	2113	2400	HIRA								

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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
14	2000	2400	CULG	2127.0	2128.0	III	G	1	60	100	
			LEAR	2150.0	0040.0	CONT		1	67	180	
			CULG	2157.0	2233.0	III	N	1	30	170	
15			LEAR	0226.0	0227.0	III		1	81	124	
			LEAR	0242.0	0246.0	III		3	25	180	
			PALE	0242.0	0245.0	III		2	25	180	
	0000	0729	HIRA	0242.5	0245.5	III	G	3	25X	600	
	0000	0800	CULG	0243.0	0246.0	III	GG	3	18X	800	
	0650	1200	IZMI	0650.0E	1200.0D	I	N	1	200	270	
	0739	1352	ONDR	0850.0	0852.0	DCIM	G	3	800X	1264	
	0755	1450	BLEN	0853.8	0856.4	III	GG	2	220X	380	
			IZMI	0855.0	0857.0	III	GG,C	2	30	270X	
			LEAR	0855.0	0857.0	V		3	25	180	
			IZMI	0857.0	0859.5	III	GG,FS	2	45	200	
			IZMI	0908.3	0908.8	III	G	1	45	90	
			ONDR	1013.2	1019.5	DCIM	G	1	800X	2000X	
			SGMR	1545.0	1545.0	III		1	30	50	
	2000	2400	CULG								
	2114	2400	HIRA								
16	0000	0728	HIRA	0027.0	0047.0	II		1	50	200	
			LEAR	0036.0	0043.0	III		1	25	92	
			CULG	0037.0	0042.0	II	FN	1	28	40	
	0000	0800	CULG	0037.0	0044.0	II	SH	1	50	90	ESS 550
			CULG	0148.0	0150.0	III	G	1	35	160	
			LEAR	0148.0	0148.0	III		1	25	94	
			LEAR	0217.0	0218.0	III		1	25	160	
			CULG	0218.0	0218.0	III	B	1	30	180	
			HIRA	0218.0	0218.5	III	B	1	30	1000	
	0703	1200	IZMI	0712.0U	1200.0D	I	N	1	70	270	
	0753	1350	ONDR								
			IZMI	0758.0	0801.5	III	G	1	45	95	
			IZMI	0809.4	0811.8	III	G	1	45	95	
			IZMI	0819.7	0819.9	UNCLF		1	45	95	
			IZMI	0822.7	0828.0	I	N	1	70	95	
			LEAR	0824.0	0825.0	III		1	25	121	
			SVTO	0824.0	0825.0	III		1	25	85	
			IZMI	0824.7	0825.6	III	G,FS	2	30	160	
			IZMI	0930.3	0930.4	I	GG	2	180	215	
			IZMI	1017.9	1018.1	III	B	1	45	90	
	0755	1450	BLEN	1342.0	1450.0X	I		2	220X	330	
			SGMR	1742.0	1742.0	III		1	30	80	
	2000	2400	CULG								
	2115	2400	HIRA								
17			LEAR	0202.0	0208.0	III		1	25	180	
	0000	0728	HIRA	0203.0	0206.0	III	G	1	30	220	
	0000	0800	CULG	0203.0	0208.0	III	G	1	18	180	
			HIRA	0443.0	0443.5	III	B	1	80	300	
			LEAR	0456.0	0456.0	III		1	25	100	
			CULG	0457.0	0457.0	III	B	1	23	90	
	0650	1200	IZMI	0650.0E	0954.0	I	N	1	180	270X	
			IZMI	0704.5	0704.6	III	G	1	240	270X	
	0743	1348	ONDR								
	0750	1450	BLEN								
			IZMI	0834.6	0834.7	III	G	1	170	270	
			IZMI	0849.9	0850.3	III	G	1	45	70	
			IZMI	0912.7	0912.8	III	B	1	50	70	
			IZMI	0933.0	0934.8	III	GG	2	40	270	
			IZMI	0948.3	0950.9	III	GG	2	45	150	
			IZMI	0954.0	1022.0U	III	N	1	45	95	
			IZMI	0954.0	1200.0	I	N	1	45	270X	
			IZMI	1111.6	1114.1	III	GG	2	15D	270X	
			IZMI	1122.6	1123.1	III	G	1	55	240	
	2116	2400	HIRA								
	2000	2400	CULG	2142.0	2244.0	III	N	1	30	180	
			LEAR	2149.0	0317.0	CONT		1	25	180	

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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
18	0000	0800	CULG	0132.0	0134.0	III	G	1	35	90	
			CULG	0305.0	0307.0	III	G	2	28	180	
			LEAR	0305.0	0309.0	III		2	25	180	
	0000	0727	HIRA	0305.0	0307.5	III	G	3	30	210	
			CULG	0427.0	0428.0	III	G	1	18	140	
			LEAR	0427.0	0428.0	III		1	25	153	
			LEAR	0455.0	0457.0	III		1	25	140	
			CULG	0456.0	0456.0	III	B	1	20	120	
			LEAR	0515.0	0521.0	III		1	25	163	
			CULG	0517.0	0522.0	III	G	1	60	180	
			CULG	0536.0	0536.0	III	B	2	35	180	
			LEAR	0536.0	0537.0	III		1	25	172	
			HIRA	0536.5	0537.0	III	B	2	40	200	
			CULG	0626.0	0629.0	III	G	1	20	180	
			LEAR	0626.0	0629.0	III		1	25	172	
			HIRA	0629.0	0629.5	III	B	2	40	180	
	0658	1200	IZMI	0658.0E	1200.0D	I	N	1	45	270	
			LEAR	0703.0	0834.0	III	N	2	25	180	
			IZMI	0703.5	0720.0	III	N	2	45	240	
			IZMI	0722.0	0722.7	III	G	2	40	240	
			IZMI	0723.7	0733.6	I	S	2	75	135	
			IZMI	0734.7	0740.8	III	GG,FS	2	40	250	
			IZMI	0746.4	0746.6	III	B	2	50	85	
			IZMI	0807.0	0808.3	III	GG	2	45	270X	
			IZMI	0815.8	0823.2	III	GG	2	30	270X	
			SVTO	0817.0	0822.0	III		1	25U	145U	
	0745	1347	ONDR	0817.2	0818.5	DCIM		1	800X	2000X	
			IZMI	0831.9	0834.4	III	GG	2	80	270X	
			IZMI	0902.0	0905.4	III	GG	2	45	270X	
			LEAR	0902.0	0904.0	III		1	25	180	
			LEAR	0928.0	0950.0	III	N	1	25	180	
			IZMI	0928.4	0928.8	III	G,C	2	30	120	
			IZMI	0935.1	0936.5	III	G	2	45	215	
			IZMI	0940.6	0941.1	III	G	2	45	270	
			IZMI	0950.1	0950.5	III	G	2	45	250	
			IZMI	0951.8	0953.7	III	N	2	45	95	
	0557	1200	IZMI	1000.9	1002.4	III	G	1	45X	125	
			IZMI	1013.0	1013.9	III	G	1	40	100	
			IZMI	1049.0	1051.2	III	G	1	45	100	
			ONDR	1053.2	1058.5	DCIM	G	2	2000X	4500X	
			ONDR	1054.0	1055.0	DCIM	G	2	800X	1761	
			SVTO	1054.0	1055.0	III		3	25	162	
	0750	1450	BLEN	1054.0	1057.8	DCIM	C	3	2300X	4000X	
	0557	1200	IZMI	1054.4	1056.0	III	G,C	2	25	145	
			IZMI	1101.6	1106.1	III	N	1	45	145	
			IZMI	1117.0U	1142.5	III	N	1	45	215	
			ONDR	1305.5	1342.4	DCIM	GG	2	800X	2000X	
			ONDR	1307.3	1318.3	DCIM	G	1	2000X	4500X	
			BLEN	1308.0	1318.0	DCIM	C	3	2300X	4000X	
			SVTO	1316.0	1317.0	II		2	75	180	ESS 0611
	2000	2400	CULG	2017.0	2017.0	III	B	1	28	80	
	2118	2400	HIRA								
			CULG	2317.0	2322.0	III	G	1	80	180	
19	0000	0727	HIRA								
			LEAR	0057.0	0102.0	III		1	35	104	
	0000	0800	CULG	0058.0	0103.0	III	G	1	40	90	
			CULG	0449.0	0449.0	III	B	1	30	80	
			CULG	0535.0	0540.0	III	G	1	18	90	
	0650	1200	IZMI	0744.4	0744.5	III	B	1	45	95	
	0747	1345	ONDR								
	0750	1450	BLEN								
			IZMI	0803.0U	1200.0D	I	N	1	180	270	
			IZMI	0807.2	0808.1	III	G	2	190	270X	
	2118	2400	HIRA								
	2000	2400	CULG	2301.0	2301.0	III	B	1	23	90	
20	0000	0727	HIRA								
			LEAR	0019.0	0023.0	III		1	25	149	

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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	0000	0800	CULG	0020.0	0024.0	III	G	1	18	180	
			CULG	0042.0	0048.0	UNCLF		2	23	40	
			LEAR	0042.0	0047.0	UNCLF		1	25	41	
			LEAR	0336.0	0341.0	III		1	25	159	
			CULG	0337.0	0341.0	III	G	1	23	170	
			LEAR	0438.0	1028.0	CONT		1	29	105	
	0658	1200	IZMI	0658.0E	0841.0U	I	N	1	135	270	
			IZMI	0709.7	0709.8	III	B	1	45	95	
			IZMI	0719.3	0719.5	III	B	1	45	95	
			IZMI	0754.5	0759.2	III	GG	2	35	250	
			IZMI	0801.0	0802.1	III	G	1	35	60	
			IZMI	0817.6	0817.7	III	B	1	45	90	
			IZMI	0848.1	0848.3	III	G	1	45	60	
			IZMI	0923.5	0927.5	III	G	1	40	70	
	0749	1343	ONDR	0934.1	0934.2	DCIM	G	2	2674	4500X	
	0750	1450	BLEN	0934.2	0934.4	III	GG,RS	2	2300	4000X	
			IZMI	0941.2	0942.6	III	G	2	30	200	
			IZMI	0945.1	0947.4	III	G	2	45	240U	
			IZMI	0959.2	0959.4	III	B	1	45	70	
			IZMI	1033.2	1033.5	III	G	1	40	90	
			IZMI	1120.4	1120.5	III	B	1	45	70	
			IZMI	1145.3	1146.3	III	GG	1	45	170	
			SVTO	1155.0	1155.0	III		1	28	170	
			IZMI	1155.4	1157.2	III	GG	2	35	215	
			SVTO	1237.0	1238.0	III		1	28	166	
			SGMR	1346.0	1347.0	III		1	30	75	
			SVTO	1348.0	1351.0	III		1	32	159	
			HOLL	1549.0	1552.0	III		2	25	180	
			SGMR	1550.0	1551.0	III		1	30	80	
			HOLL	1652.0	1653.0	III		2	25	180	
			SGMR	1652.0	1953.0	III	N	1	30	80	
			HOLL	1712.0	1713.0	III		1	25	180	
			HOLL	1717.0	1719.0	III		1	25	180	
			HOLL	1740.0	1741.0	III		2	25	180	
			PALE	1740.0	1741.0	III		1	25	180	
			HOLL	1846.0	1848.0	III		1	25	146	
	2000	2400	CULG	2000.0E	2149.0	III	N	1	20	150	
	2119	2400	HIRA								
			CULG	2306.0	2307.0	III	G	1	30	150	
21	0000	0800	CULG	0009.0	0104.0	I	S	1	110	170	
			CULG	0022.0	0022.0	III	B	1	110	380	
	0000	0727	HIRA	0022.0	0022.5	III	B	2	130	330	
			CULG	0334.0	0334.0	III	B	1	25	90	
			LEAR	0334.0	0334.0	III		1	25	103	
			LEAR	0411.0	1029.0	CONT		1	25	180	
			CULG	0412.0	0413.0	III	G	1	30	80	
			CULG	0541.0	0654.0	I	S	1	70	170	
			CULG	0544.0	0628.0	III	N	1	23	90	
			SVTO	0630.0	0631.0	III		1	75	164	
			HIRA	0630.5	0631.0	III	B	3	80	280	
			CULG	0631.0	0631.0	III	B	1	40	420	
			SVTO	0635.0	1309.0	CONT		1	25	180	
			IZMI	0658.0E	1200.0D	III	N	1	45	95	
	0658	1200	IZMI	0658.0E	1200.0D	I	S	2	70	270	
			CULG	0709.0	0739.0	III	N	1	23	160	
			IZMI	0709.1	0709.5	III	G,FS	2	45	270X	
			IZMI	0718.4	0723.5	III	GG	2	40	100	
	0750	1450	BLEN								
	0751	1341	ONDR								
			IZMI	0759.0	0801.8	III	G	2	145	245	
			IZMI	0808.1	0808.5	III	G	2	45	170	
			IZMI	0909.3	0909.4	III	B	2	45	100	
			IZMI	1006.8	1007.2	III	G	2	85	270	
			IZMI	1104.0	1104.8	UNCLF		2	45	240	
			IZMI	1113.5	1113.7	III	G	2	45	180	
			IZMI	1116.4	1116.6	III	G	2	130	250	
			SGMR	1234.0	1234.0	III		1	30	50	
			HOLL	1504.0	1512.0	III		2	25	180	

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21			SGMR	1512.0	1512.0	III		1	30	80	
			SGMR	1647.0	1648.0	III		1	30	80	
			HOLL	1648.0	1648.0	III		1	25	180	
	2000	2400	CULG	2000.0E	2028.0	III	N	1	25	90	
	2120	2400	HIRA								
			CULG	2140.0	2400.0D	I	S,C	1	100	170	
			LEAR	2149.0	0433.0	CONT		1	78	180	
			CULG	2157.0	2157.0	III	B	1	40	180	
			LEAR	2157.0	2157.0	III		1	70	180	
			CULG	2220.0	2225.0	III	G	1	50	180	
			CULG	2231.0	2400.0D	III	N	1	20	180	
			LEAR	2339.0	0212.0	III	N	2	25	180	
22			CULG	0000.0E	0038.0	III	N	1	28	160	
	0000	0800	CULG	0000.0E	0225.0	I	S,C	1	60	160	
			CULG	0028.0	0029.0	III	G	3	18X	180	
			LEAR	0028.0	0029.0	III		3	25	180	
			PALE	0028.0	0029.0	III		2	25	180	
	0000	0726	HIRA	0028.0	0029.0	III	B	3	30	180	
			CULG	0105.0	0213.0	III	N	1	23	170	
			HIRA	0123.5	0124.0	III	B	2	130	400	
			CULG	0124.0	0124.0	III	B	1	70	400	
			LEAR	0144.0	0148.0	III		3	25	180	
			PALE	0144.0	0151.0	III		2	25	180	
			CULG	0145.0	0149.0	III	G	2	18	180	
			HIRA	0145.0	0148.0	III	G	2	30	150	
			CULG	0151.0	0152.0	III	G	3	18	180	
			LEAR	0151.0	0152.0	III		3	25	180	
			HIRA	0151.5	0152.0	III	B	3	30	240	
			CULG	0220.0	0220.0	III	B	2	60	270	
			HIRA	0220.0	0220.5	III	B	3	60	220	
			LEAR	0220.0	0220.0	III		3	62	180	
			CULG	0315.0	0408.0	III	N	1	25	130	
			LEAR	0332.0	0333.0	III		1	25	95	
			LEAR	0342.0	0408.0	III	N	2	25	180	
			CULG	0407.0	0407.0	III	B	2	23	140	
			HIRA	0407.0	0407.5	III	B	2	50	120	
			CULG	0526.0	0531.0	III	G	1	30	80	
			CULG	0604.0	0610.0	III	G	1	20	420	
			LEAR	0604.0	0611.0	III		2	25	180	
			CULG	0609.0	0741.0	I	S,C	1	100	170	
			LEAR	0616.0	1029.0	CONT		1	75	180	
			CULG	0636.0	0737.0	III	N	1	23	250	
			LEAR	0636.0	0736.0	III	N	2	25	180	
			HIRA	0648.0	0649.5	III	G	2	50	210	
			SVTO	0648.0	0723.0	III	N	1	75	180	
			CULG	0705.0	0707.0	III	G	1	250	400	
			IZMI	0705.0E	1200.0D	III	N	1	45	95	
	0705	1200	IZMI	0705.0E	1200.0D	I	S,C	2	90	270X	
			IZMI	0705.7	0707.1	III	GG	2	210	270X	
			IZMI	0718.6	0720.4	III	G	1	45	200	
			IZMI	0734.3	0738.1	III	GG	2	40	110	
	0800	1420	BLEN	0804.5	0807.5	III	GG,RS	3	2080X	3500X	
	0753	1340	ONDR	0805.5	0808.1	DCIM	GG	2	800X	2000X	
			LEAR	0828.0	0832.0	III		3	25	180	
			SVTO	0828.0	0832.0	III		3	25	180	
			IZMI	0828.1	0830.3	III	GG,C	2	30	240	
			IZMI	0830.5	0832.2	III	GG,C	2	25X	270X	
			IZMI	0837.1	0841.8	III	GG	2	45	95	
			BLEN	0853.3	0855.2	III	G,RS	1	2080X	3500X	
			IZMI	0858.2	0859.8	III	GG	2	30	220	
			LEAR	0859.0	0901.0	V		2	25	124	
			SVTO	0859.0	0901.0	III		1	25U	83U	
			IZMI	0859.6	0901.1	V		2	40	100	
			LEAR	0919.0	0924.0	III		2	25	180	
			SVTO	0919.0	0924.0	III		2	25	180	
			IZMI	0919.1	0920.3	III	G	2	30	190	
			IZMI	0923.6	0924.0	III	GG	2	30	270X	
			IZMI	0923.8	0924.6	V	G	2	45	85	

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22			IZMI	1042.8	1046.3	III	GG,U	2	45	270X	
			SVTO	1043.0	1046.0	III		1	58	180	
			ONDR	1045.0	1045.1	DCIM	G	1	800X	1827	
			IZMI	1049.1	1049.2	III	B	2	215	270X	
			IZMI	1109.3	1110.4	III	G	2	40	65	
			IZMI	1113.8	1113.9	III	B	1	200	270X	
			IZMI	1114.9	1115.8	III	G	2	40	90	
			BLEN	1239.7	1240.3	III	G,RS	3	2080X	3500X	
			SVTO	1240.0	1240.0	III		1	113	180	
			SGMR	1404.0	2051.0	III	N	1	30	80	
			SVTO	1405.0	1406.0	III		1	34	82	
			HOLL	1621.0	1633.0	II		1	48	174	ESS 0604
			HOLL	1916.0	1918.0	III		1	40	180	
			HOLL	1928.0	1929.0	III		1	25	131	
			PALE	1928.0	1948.0	III		1	25	55	
			CULG	2000.0E	2400.0D	I	S,C	1	50	160	
	2000	2400	CULG	2000.0E	2400.0D	III	N	1	18	180	
	2121	2400	HIRA								
			CULG	2141.0	2141.0	III	B	2	18	110	
			LEAR	2149.0	1030.0	CONT		1	73	180	
			LEAR	2215.0	1030.0	III	N	2	25	180	
			CULG	2230.0	2231.0	III	G	2	18	170	
23			CULG	0000.0E	0800.0D	I	S,C	1	60	180	
	0000	0800	CULG	0000.0E	0800.0D	III	N	1	20	90	
			CULG	0140.0	0140.0	III	B	2	18X	150	
	0000	0726	HIRA	0404.5	0405.0	III	B	3	100	280	
			CULG	0405.0	0405.0	III	B	1	100	400	
			CULG	0429.0	0429.0	III	G	2	18	75	
			CULG	0536.0	0540.0	III	G	2	18	750	
			HIRA	0536.0	0540.0	III	B	1	40	1100	
			SVTO	0620.0	1351.0	CONT		1	75	180	
			SVTO	0620.0	1351.0	III	N	1	75	180	
			IZMI	0655.0E	1200.0D	III	N	1	40X	100	
	0655	1200	IZMI	0655.0E	1200.0D	I	S,C	2	40	270X	
			IZMI	0743.7	0744.5	III	G	2	45	100	
			IZMI	0802.6	0807.5	UNCLF	RS	2	45	85	
			IZMI	0906.8	0909.1	III	GG	2	75	270X	
			IZMI	0910.3	0911.2	III	GG	2	145	270X	
			IZMI	0912.8	0913.3	III	G	2	145	270X	
			SVTO	0913.0	0917.0	III		1	25U	180U	
			IZMI	0915.5	0917.6	III	GG	2	30	270X	
			IZMI	0928.3	0930.3	UNCLF		2	40	70U	
			SVTO	0930.0	0931.0	III		1	25U	159U	
			IZMI	0930.2	0931.1	III	G,C	2	40	190	
			IZMI	0944.1	0946.4	III	G	2	35	70	
			IZMI	0951.2	0952.9	III	GG	2	45	100	
	0810	1450	BLEN	1007.0	1007.1	III	B	1	2000X	2400	
			IZMI	1013.9	1015.3	III	GG,FS	2	40	95	
			IZMI	1017.5	1019.2	III	GG	2	35	90	
			IZMI	1045.4	1045.5	III	G	2	45	95	
			SVTO	1050.0	1053.0	III		1	25U	180U	
			IZMI	1050.6	1051.5	III	GG	2	30	100	
			SVTO	1102.0	1502.0	III	N	2	25	140	
			IZMI	1102.5	1102.7	III	B	2	40	200	
			BLEN	1117.2	1119.0	III	G	1	2000X	3700	
	0755	1339	ONDR	1117.2	1118.5	DCIM	G	1	1039	2000	
			IZMI	1117.4	1117.8	III	G,C	2	30	270X	
			IZMI	1118.8	1119.2	III	G	2	35	270	
			IZMI	1132.2	1132.4	III	G	2	120	270X	
			IZMI	1142.8	1144.9	I	GG,DC	2	80	245	
			SGMR	1253.0	1553.0	III	N	1	30	60	
			BLEN	1422.4	1424.0	DCIM	C	2	2000X	4000X	
			SGMR	1443.0	1446.0	III		1	30	80	
			SVTO	1443.0	1443.0	III		2	75	180	
			BLEN	1443.4	1443.7	III	GG,RS	3	2000X	3300	
			HOLL	1529.0	1540.0	III		1	25	84	
			HOLL	1550.0	1556.0	III		1	25	86	
			HOLL	1607.0	1612.0	III		1	25	86	

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23			HOLL	1628.0	1632.0	III		1	25	86	
			HOLL	1641.0	1652.0	III		1	25	180	
			HOLL	1700.0	1708.0	III		2	25	180	
			SGMR	1700.0	1703.0	III		2	30	80	
			HOLL	1715.0	1722.0	III		1	25	162	
			HOLL	1734.0	1734.0	III		1	60	180	
			HOLL	1742.0	1755.0	III	N	1	25	180	
			SGMR	1742.0	1808.0	III	N	1	30	80	
			PALE	1754.0	1838.0	III	N	1	25	180	
			HOLL	1802.0	1830.0	III	N	1	25	180	
			HOLL	1934.0	1940.0	III	N	1	25	149	
			PALE	1934.0	1935.0	III		2	25	130	
			HOLL	2000.0	2008.0	III	N	1	25	180	
			PALE	2000.0	2106.0	III	N	1	25	180	
	2000	2400	CULG	2000.0E	2400.0D	III	N	1	20	180	
			CULG	2001.0	2006.0	III	GG	2	20	160	
			HOLL	2033.0	2044.0	III		1	25	180	
			CULG	2034.0	2043.0	III	GG	3	20	300	
			HOLL	2047.0	2100.0	III		1	25	136	
			CULG	2049.0	2059.0	III	GG	3	18	180	
			CULG	2104.0	2106.0	III	G	2	18	180	
			HOLL	2104.0	2135.0	III	N	1	25	180	
			LEAR	2149.0	0053.0	CONT		1	25	180	
			CULG	2234.0	2240.0	III	G	2	20	180	
			LEAR	2234.0	0219.0	III	N	2	25	180	
	2122	2400	HIRA	2234.0	2241.0	III	G	1	30	700	
			HIRA	2247.0	2247.5	III	B	1	40	200	
			HIRA	2252.0	2252.5	III	B	1	30	230	
			CULG	2308.0	2310.0	III	G	2	18X	130	
			HOLL	2316.0	2331.0	III		1	25	180	
			LEAR	2316.0	2325.0	III		3	25	180	
			CULG	2317.0	2324.0	III	GG	3	18	350	
			HIRA	2317.0	2324.0	III	G	3	30	300	
			PALE	2318.0	2327.0	III		2	15	180	
			CULG	2324.0	2335.0	II	FN,H	2	18X	100	
			CULG	2327.0	2336.0	II	SH,H	2	25	140	ESS 1000
			HIRA	2327.5	2336.0	II		2	30	100	
			PALE	2330.0	2335.0	II		1	25	180	ESS 0610
			HIRA	2330.5	2331.5	III	G	2	30	170	
			LEAR	2331.0	2337.0	II		1	25	97	ESS 1002
24	0000	0800	CULG	0000.0E	0602.0	III	N	1	20	180	
			CULG	0154.0	0154.0	III	B	2	18	90	
			LEAR	0204.0	1032.0	CONT		1	75	180	
			CULG	0230.0	0302.0	I	S	1	110	170	
			LEAR	0257.0	1032.0	III	N	2	25	180	
			CULG	0307.0	0307.0	III	B	2	25	160	
	0000	0726	HIRA	0307.0	0307.5	III	B	2	50	120	
			CULG	0317.0	0324.0	III	GG	2	20	180	
			HIRA	0317.0	0326.0	III	G	2	30	210	
			HIRA	0354.5	0357.5	III	G	3	25X	190	
			CULG	0355.0	0357.0	III	G	3	18	180	
			LEAR	0355.0	0357.0	III		3	25	180	
			HIRA	0400.5	0401.0	III	B	2	50	130	
			CULG	0414.0	0414.0	III	B	2	18	150	
			HIRA	0414.5	0415.0	III	B	1	30	150	
			CULG	0430.0	0436.0	III	GG	2	20	180	
			HIRA	0430.0	0430.5	III	B	2	30	210	
			HIRA	0435.5	0436.5	III	G	2	50	120	
			HIRA	0458.5	0502.0	III	G	3	30	2000X	
			CULG	0459.0	0502.0	III	G	3	18X	900	
			CULG	0502.0	0510.0	II	FN	3	18X	90	
			CULG	0502.0	0511.0	II	SH	3	30	180	ESS 1100
			HIRA	0502.0	0516.0	II		3	30	190	
			LEAR	0502.0	0529.0	II		3	25	180	ESS 1090
			CULG	0505.0	0507.0	III	G	3	18X	750	
			HIRA	0505.5	0507.0	III	G	3	X	300	
			CULG	0510.0	0516.0	III	G	3	18	80	
			HIRA	0516.0	0518.5	III	G	1	50	120	

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24			CULG	0519.0	0528.0	II	FN	1	20	25	
			CULG	0519.0	0528.0	II	SH	1	30	50	ESS 700
			CULG	0528.0	0800.0D	I	S	1	110	170	
			CULG	0645.0	0647.0	III	G	3	20	130	
			HIRA	0645.0	0646.5	III	G	2	50	110	
	0702	1205	IZMI	0648.1E	0652.2	III	GG	2	45U	95U	
			CULG	0649.0	0800.0D	III	N	2	20	180	
			IZMI	0702.0E	1205.0D	I	S,C	2	45	270X	
			IZMI	0702.0E	1205.0D	III	N	2	40	100	
			IZMI	0715.6	0716.4	III	G,C	2	40	110	
			IZMI	0720.0	0720.6	III	G	2	35	135	
			IZMI	0723.4	0724.6	III	GG	2	35	270X	
			IZMI	0726.8	0729.4	III	GG,C	2	35	215	
			IZMI	0730.1	0755.0	III	S	2	35	145	
			IZMI	0736.7	0738.3	III	GG,C	2	40	255	
			IZMI	0741.1	0746.7	III	GG	2	25X	270X	
			IZMI	0903.9	1110.0U	III	S	2	35	135	
			IZMI	0955.7	0957.9	III	GG	2	30	215	
			IZMI	1017.5	1018.4	III	G	2	30	100	
			IZMI	1035.3	1037.7	III	GG	2	35	270X	
			IZMI	1111.1	1113.5	III	GG,C	2	30	160	
			IZMI	1117.6	1121.7	III	GG	2	35	270	
			IZMI	1124.4	1125.3	III	GG,C	2	30	145	
			IZMI	1126.1	1126.2	III	B	2	50	190	
			IZMI	1127.7	1129.0	III	GG	2	35	190	
	0757	1337	ONDR	1130.2	1138.3	DCIM	G	1	2000X	4461	
			IZMI	1132.0	1137.0	III	GG	2	35	145	
	0800	1450	BLEN	1133.5	1134.1	DCIM	P	3	2300	3800	
			BLEN	1133.8	1138.5	III	GG,RS	1	2025X	3800	
			IZMI	1137.5	1141.3	III	GG,C	2	30	270X	
			SGMR	1359.0	1405.0	III		1	30	60	
			HOLL	1422.0	1615.0	CONT		1	42	180	
			SGMR	1457.0	1523.0	III	N	3	30	80	
			HOLL	1507.0	1514.0	II		1	38	180	ESS 1200
			SGMR	1512.0	1523.0	II		3	30	80	ESS 0800
			HOLL	1715.0	2313.0	III	N	1	25	127	
			SGMR	1751.0	1817.0	III	N	2	30	80	
			PALE	1831.0	2220.0	III	N	3	25	180	
			CULG	2000.0E	2141.0	III	S,C	1	18	720	
			CULG	2000.0E	2220.0	III	N	2	18	180	
	2000	2400	CULG	2000.0E	2400.0D	I	S,C	1	60	180	
			SGMR	2017.0	2017.0	III		1	30	60	
			CULG	2018.0	2018.0	III	B	3	18X	180	
			CULG	2126.0	2126.0	III	B	3	18X	90	
			CULG	2131.0	2131.0	III	B	3	18	130	
			CULG	2145.0	2147.0	III	G	3	18	180	
			LEAR	2149.0	0107.0	CONT		2	25	180	
			LEAR	2149.0	2240.0	III	N	2	25	180	
			CULG	2152.0	2157.0	II	FN,H	3	18X	45	
			CULG	2152.0	2157.0	II	SH,H	3	35	90	ESS 800
			CULG	2300.0	2400.0D	III	N	1	30	90	
			CULG	2346.0	2346.0	III	B	2	18	170	
			LEAR	2346.0	0056.0	III	N	1	25	146	
			LEAR	2346.0	2346.0	III		1	25	146	
			PALE	2346.0	2346.0	III		1	25U	150U	
	2123	2400	HIRA	2346.0	2346.5	III	B	2	30	180	
25			CULG	0000.0E	0532.0	III	N	2	18X	180	
	0000	0800	CULG	0000.0E	0800.0D	I	S,C	1	50	180	
	0000	0725	HIRA	0001.0	0002.0	III	G	2	30	120	
			HIRA	0014.0	0015.5	III	G	2	50	170	
			PALE	0017.0	0215.0	III	N	3	25	150	
			HIRA	0019.5	0020.0	III	B	3	25X	160	
			HIRA	0027.5	0028.0	III	B	3	30	100	
			HIRA	0031.5	0032.0	III	B	1	50	110	
			HIRA	0036.0	0036.5	III	B	3	50	130	
			HIRA	0040.0	0040.5	III	B	2	30	120	
			HIRA	0041.5	0047.0	III	B	2	30	120	
			CULG	0104.0	0107.0	III	G	3	18	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
25			LEAR	0104.0	0215.0	III	N	3	25	180	
			HIRA	0104.5	0106.5	III	G	3	25X	200	
			CULG	0107.0	0113.0	II	FN	3	18X	75	
			CULG	0107.0	0116.0	II	SH	3	18X	150	ESS 2000
			LEAR	0107.0	0121.0	II		3	25	146	ESS 0953
			LEAR	0107.0	0137.0	II		3	25	146	ESS 1300
			LEAR	0107.0	1031.0	IV		2	25	180	
			PALE	0107.0	0116.0	II		3	25	147	ESS 0770
			HIRA	0108.0	0119.0	II		3	25X	130	
			CULG	0113.0	0545.0U	IV	FS	1	20	1000	
			CULG	0114.0U	0120.0	II	FN	3	18X	50	
			CULG	0114.0U	0120.0	II	SH	3	30	90	ESS 900
			HIRA	0118.0	0259.0	IV		2	400	2000X	
			CULG	0130.0	0137.0	UNCLF		2	18	50	
			HIRA	0210.0	0213.0	III	G	2	25X	290	
			LEAR	0245.0	0255.0	III		2	25	137	
			HIRA	0250.0	0250.5	III	B	2	30	120	
			HIRA	0252.5	0253.0	III	B	2	30	90	
			HIRA	0329.5	0330.0	III	B	1	25X	90	
			LEAR	0330.0	0330.0	III		1	25	112	
			LEAR	0353.0	0358.0	III		1	25	103	
			CULG	0452.0	0452.0	III	B	3	18X	300	
			HIRA	0452.0	0452.5	III	B	3	30	280	
			LEAR	0528.0	0532.0	III		2	25	180	
			CULG	0538.0	0800.0D	III	N	1	20	120	
			SVTO	0657.0	1225.0	IV		2	25	180	
			IZMI	0704.0E	1200.0U	III	N	2	40	135	
	0704	1200	IZMI	0704.0E	1200.0D	I	S	2	45	270X	
			IZMI	0818.0U	0902.0U	III	S	2	40	270X	
			IZMI	0906.1	0955.0U	III	S,C	2	30	270X	
	0759	1336	ONDR	0908.4	0922.4	DCIM	GG	2	2000X	4500X	
			ONDR	0909.5	0920.3	DCIM	GG,FS	2	800X	2000X	
	0810	1450	BLEN	0909.8	0925.0	DCIM	C	3	1415X	4000X	
			BLEN	0909.9	0917.0	DCIM	S	3	2055X	2800	
			IZMI	0912.0U	0955.0U	CONT		2	45	270X	
			IZMI	1011.1	1011.5	III	G,C	2	35	95	
			IZMI	1040.0	1042.0	III	GG,C	2	40	170	
			IZMI	1127.8	1129.3	III	GG	2	30	160	
			IZMI	1131.4	1131.8	III	G	2	30	120	
			SVTO	1313.0	1315.0	III		1	25	133	
			SGMR	1415.0	1422.0	III		2	30	80	
			SVTO	1415.0	1423.0	III		2	25	180	
			HOLL	1533.0	1535.0	III		2	25	180	
			SGMR	1533.0	1535.0	III		2	30	80	
			HOLL	1553.0	1600.0	III		1	25	180	
			PALE	1723.0	1729.0	III		1	25	60	
			HOLL	1838.0	1842.0	III		2	25	180	
			SGMR	1838.0	1842.0	III		3	30	80	
			HOLL	1839.0	1849.0	II		2	25	180	ESS 0916
			SGMR	1845.0	1857.0	II		3	30	80	ESS 0800
			PALE	1856.0	1856.0	III		1	25	50	
	2000	2400	CULG	2000.0E	2210.0	III	S	1	20	160	
	2124	2400	HIRA								
			LEAR	2337.0	0210.0	CONT		1	29	130	
26	0000	0800	CULG	0019.0	0019.0	III	B	1	28	90	
			CULG	0035.0	0210.0	I	S	1	100	170	
			CULG	0052.0	0052.0	III	B	1	23	90	
			LEAR	0227.0	0321.0	III	N	2	25	180	
			CULG	0228.0	0320.0	III	N	2	18X	350	
	0000	0725	HIRA	0257.5	0258.0	III	B	2	200	310	
			HIRA	0306.0	0311.0	III	G	1	30	130	
			CULG	0445.0	0445.0	III	B	1	100	480	
			HIRA	0445.0	0445.5	III	B	1	100	700	
			CULG	0529.0	0529.0	III	B	1	18	180	
			LEAR	0529.0	0530.0	III		1	25	153	
			LEAR	0612.0	0612.0	III		1	25	88	
			HIRA	0612.5	0613.0	III	B	1	80	360	
			CULG	0613.0	0613.0	III	B	1	30	100	

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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
26			LEAR	0629.0	0634.0	III		2	25	110	
			SVTO	0629.0	0630.0	III		1	54	82	
			CULG	0630.0	0633.0	III	G	1	23	100	
			IZMI	0700.0E	1200.0D	III	N	1	45	215	
	0700	1200	IZMI	0700.0E	1200.0D	I	N	1	45	270X	
			IZMI	0722.0	0734.0	I	S	2	45	95	
			IZMI	0729.1	0729.6	III	G	1	190	270	
			IZMI	0734.5	0736.8	III	GG	2	35	140	
			CULG	0735.0	0737.0	III	G	1	25	130	
	0801	1334	ONDR								
	0810	1450	BLEN								
			IZMI	0812.5	0813.3	III	G	2	40	95	
			IZMI	1019.1	1019.6	III	G	2	45	160	
			IZMI	1033.0U	1130.0U	I	S	1	45	270X	
			IZMI	1055.0U	1130.0U	III	S	1	45	95	
			IZMI	1119.9	1120.5	III	GG	2	40	270X	
			IZMI	1122.6	1124.3	III	GG	2	35	160	
			SVTO	1123.0	1123.0	III		1	45	83	
			IZMI	1141.4	1141.5	III	B	2	40	90	
			SGMR	1302.0	1303.0	III		1	30	50	
			HOLL	1634.0	1643.0	III		2	25	180	
			SGMR	1634.0	1644.0	II		2	30	80	ESS 1000
			SGMR	1647.0	1658.0	III	N	2	30	80	
			HOLL	1655.0	1701.0	II		2	25	180	ESS 0999
	2000	2400	CULG	2015.0U	2057.0	III	N	1	28	90	
			CULG	2109.0	2109.0	III	B	1	60	300	
			CULG	2115.0	2115.0	III	B	1	70	180	
			CULG	2127.0	2400.0D	III	N	1	30	180	
			CULG	2323.0	2325.0	III	G	1	30	250	
			LEAR	2323.0	2324.0	III		1	28	180	
	2125	2400	HIRA	2323.0	2323.5	III	B	1	70	300	
27	0000	0800	CULG	0000.0E	0800.0D	III	S,C	1	30	180	
			LEAR	0410.0	1033.0	CONT		1	33	150	
			SVTO	0628.0	1500.0	CONT		1	25	180	
			LEAR	0631.0	0633.0	III		3	25	180	
			CULG	0633.0	0633.0	III	B	2	18	180	
	0000	0725	HIRA	0633.0	0633.5	III	B	3	40	150	
			IZMI	0650.0E	0702.0	III	S	2	80	135	
	0650	1200	IZMI	0650.0E	1200.0D	III	N	1	40	150	
	0803	1333	ONDR								
	0810	1450	BLEN								
			IZMI	0820.0U	0918.0U	I	N	1	45	90	
			IZMI	0823.1	0829.3	UNCLF		1	45	90	
			SVTO	0828.0	0828.0	III		2	25	180	
			LEAR	0904.0	0905.0	III		1	25	180	
			IZMI	0904.7	0905.9	III	G	2	40	200	
			IZMI	0938.0	0947.0	I	N	1	230	270	
			IZMI	1027.3	1028.4	III	G	2	45	110	
			IZMI	1101.6	1104.7	I	GG,DS	2	200	270	
			SGMR	1358.0	1948.0	III	N	2	30	80	
			HOLL	1940.0	1952.0	III		1	25	145	
			PALE	1942.0	1952.0	III	N	1	25	180	
	2000	2400	CULG	2000.0E	2151.0	III	N	1	18	180	
			CULG	2043.0	2400.0D	I	S,C	1	100	160	
			PALE	2112.0	2208.0	III	N	1	25	140	
			CULG	2134.0	2134.0	III	B	2	18	150	
			LEAR	2148.0	0858.0	CONT		1	75	180	
			HOLL	2155.0	2158.0	III		1	25	153	
			LEAR	2155.0	2158.0	III		2	25	180	
			CULG	2156.0	2158.0	III	G	3	18	180	
	2126	2400	HIRA	2156.5	2157.5	III	G	2	40	140	
			LEAR	2247.0	0009.0	III	N	2	25	180	
			CULG	2250.0	2400.0D	III	N	1	23	160	
			CULG	2331.0	2331.0	III	B	3	18	250	
			HIRA	2331.0	2333.0	III	G	3	30	280	
			PALE	2331.0	2331.0	III		2	25	156	
			CULG	2351.0	2353.0	III	G	2	18	450	

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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
28			CULG	0000.0E	0355.0	I	S,C	1	100	180	
	0000	0800	CULG	0000.0E	0007.0	III	N	1	25	180	
	0000	0724	HIRA	0004.5	0007.5	III	G	2	50	150	
			CULG	0053.0	0219.0	III	N	1	25	230	
			HIRA	0153.5	0155.5	III	G	1	80	400	
			CULG	0339.0	0350.0	III	G	1	25	150	
			CULG	0438.0	0438.0	III	B	1	18	120	
			CULG	0442.0	0541.0	III	S	1	18	180	
			LEAR	0609.0	0612.0	III		2	25	180	
			HIRA	0609.5	0612.5	III	G	2	60	180	
			CULG	0610.0	0612.0	III	G	2	18	200	
			CULG	0618.0	0618.0	III	B	1	23	90	
			CULG	0640.0	0640.0	III	B	1	20	120	
			IZMI	0700.0E	1200.0D	III	N	1	45	95	
	0700	1200	IZMI	0700.0E	1200.0D	I	S	1	120	270X	
			SVTO	0719.0	0720.0	III		1	113U	180U	
			IZMI	0719.9	0723.0	III	GG,FS	2	45	200	
			CULG	0720.0	0721.0	III	G	1	45	200	
			IZMI	0729.2	0733.0	III	GG	2	40	270X	
	0805	1332	ONDR								
	0810	1450	BLEN								
			IZMI	0810.0	0814.6	III	GG	2	40	270	
			IZMI	0830.3	0831.9	III	GG,C,FS	2	45	95	
			IZMI	0837.1	0838.1	III	G	1	45	270	
			IZMI	0857.8	0858.2	III	G	2	50	175	
			IZMI	0920.5	0920.8	III	B	2	70	110	
			IZMI	0925.6	0927.3	III	GG	2	40	160	
			IZMI	0930.7	0931.1	III	B	2	45	130	
			LEAR	0955.0	0956.0	III		1	77	180	
			SVTO	0955.0	0956.0	III		1	147U	180U	
			IZMI	0955.6	0957.7	III	GG	2	45	190	
			SVTO	1123.0	1459.0	III	N	2	46U	180U	
			IZMI	1123.7	1124.1	III	GG	2	35	270X	
			IZMI	1123.9U	1124.3	V	HARM	2	50	160	
			IZMI	1129.1	1129.8	III	G	2	75	170	
			IZMI	1133.1	1133.4	III	GG	2	40	160	
			SGMR	1248.0	1443.0	III	N	1	30	80	
			HOLL	1908.0	1908.0	III		1	25	147	
	2000	2400	CULG	2000.0E	2400.0D	I	S	1	110	160	
	2123	2400	HIRA								
29	0000	0800	CULG	0000.0E	0800.0D	I	S	1	110	170	
			LEAR	0044.0	0045.0	III		1	41	79	
			LEAR	0106.0	0106.0	III		1	25	90	
			LEAR	0245.0	0247.0	III		1	82	121	
			LEAR	0258.0	0258.0	III		1	117	180	
			LEAR	0408.0	0409.0	III		1	25	93	
			CULG	0428.0	0430.0	III	G	1	57X	300	
			LEAR	0428.0	0431.0	III		3	25	180	
	0000	0724	HIRA	0431.5	0432.0	III	B	2	30	300	
			CULG	0432.0	0432.0	III	B	1	57X	160	
			LEAR	0504.0	0505.0	III		1	39	106	
			LEAR	0528.0	0528.0	III		1	28	180	
			HIRA	0528.5	0529.0	III	B	3	40	190	
			LEAR	0623.0	0638.0	V		2	25	180	
			SVTO	0623.0	0624.0	III		1	25U	180U	
			HIRA	0623.5	0624.5	III	B	3	40	260	
			CULG	0624.0	0625.0	III	G	3	57X	260	
			CULG	0629.0	0634.0	II	FN	1	57X	95	
			CULG	0629.0	0644.0	II	SH	2	57X	190	ESS 500
			HIRA	0629.0	0644.0	II		3	50	180	
			LEAR	0629.0	0645.0	II		1	36	180	ESS 0528
			SVTO	0629.0	0638.0	II		1	75	167	ESS 0397
			LEAR	0639.0	1034.0	CONT		1	70	180	
			SVTO	0641.0	0934.0	III	N	1	114	180	
			LEAR	0644.0	1034.0	III	N	1	25	180	
	0659	1206	IZMI	0651.6E	0655.0	III	GG,C	2	45U	95U	
			SVTO	0657.0	1459.0	CONT		1	75	180	
			IZMI	0659.0E	1206.0D	I	S	2	70	270X	

SOLAR RADIO EMISSION
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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
29			IZMI	0802.2	0809.7	III	GG	2	45	215	
	0807	1331	ONDR								
			IZMI	0811.7	0841.5	III	N	1	40	245	
	0820	1450	BLEN								
			IZMI	0859.6	0901.7	UNCLF	DS	1	45	65	
			IZMI	0920.5	0920.8	III	B	2	30	190	
			IZMI	0922.6	0941.0U	III	N,FS	2	45	95	
			IZMI	0930.9	0931.2	III	G	1	45	200	
			IZMI	0950.7	1005.0	III	N	1	55	145	
			IZMI	1009.0	1009.7	III	G	2	45	270X	
			SVTO	1009.0	1009.0	III		1	56	180	
			IZMI	1014.2	1014.4	III	G	2	170	240	
			SVTO	1040.0	1149.0	III	N	1	75	123	
			IZMI	1040.4	1041.4	III	G,C	2	45	200	
			IZMI	1042.4	1042.5	III	G	2	55	150	
			IZMI	1058.1	1100.7	III	GG	1	45	100	
			IZMI	1115.7	1115.9	III	G	1	80	105	
			SVTO	1357.0	1359.0	III		2	25U	180U	
			HOLL	1441.0	1441.0	III		1	25	180	
			SGMR	1441.0	1441.0	III		2	30	80	
	2000	2400	CULG								
	2123	2400	HIRA								
30			LEAR	0239.0	1036.0	CONT		1	77	180	
	0000	0800	CULG	0240.0	0315.0	I	S,C	1	110	180	
			CULG	0243.0	0246.0	III	G	1	57X	520	
			LEAR	0245.0	0246.0	III		1	37	136	
			CULG	0315.0	0541.0	I	S,C	2	57X	180	
	0000	0724	HIRA	0521.5	0522.5	III	B	2	80	280	
			CULG	0522.0	0522.0	III	G	1	80	420	
			CULG	0541.0	0800.0D	I	S,C	1	57X	180	
			SVTO	0615.0	1458.0	CONT		2	25	180	
			IZMI	0659.0E	1200.0D	I	S	2	45	270X	
			IZMI	0659.0E	1200.0D	III	N	1	45	100	
			IZMI	0826.8	0827.3	III	GG	2	45	95	
	0820	1450	BLEN	0904.5	0925.0	DCIM	C	2	1415X	4000X	
	0809	1330	ONDR	0906.1	0914.0	DCIM	GG	1	959	1934	
			IZMI	0918.0	0918.1	III	G	2	215	270X	
			IZMI	1008.8	1010.4	III	G	2	40	75	
			BLEN	1324.5	1332.0	DCIM	C	3	1415X	4000X	
			SVTO	1417.0	1418.0	III		1	60	142	
			BLEN	1443.0	1452.8X	DCIM	C	3	1415X	4000X	
	2000	2400	CULG	2026.0	2032.0	III	G	2	57X	150	
			HOLL	2027.0	2031.0	III		1	25	158	
			PALE	2027.0	2031.0	III		1	25	45	
			CULG	2113.0	2114.0	III	G	2	57X	300	
			HOLL	2213.0	2214.0	III		1	48	180	
			LEAR	2213.0	2214.0	III		1	50	180	
	2124	2400	HIRA	2213.0	2214.0	III	B	3	50	300	