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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
01			CULG	0000.0E	0520.0	I	S	1	80	180	
	0000	0800	CULG	0000.0E	0800.0D	III	S	1	57X	180	
			LEAR	0036.0	0038.0	V		2	25	180	
			CULG	0037.0	0038.0	III	G	2	57X	260	
	0000	0742	HIRA	0037.0	0037.5	III	B	1	25X	N/A	
			CULG	0438.0	0438.0	III	B	2	57X	180	
			CULG	0450.0	0450.0	III	B	2	57X	180	
			CULG	0511.0	0511.0	III	B	2	57X	260	
			LEAR	0511.0	0511.0	III		2	25	138	
			HIRA	0511.5	0512.0	III	B	1	30	N/A	
			CULG	0520.0	0800.0D	I	S	2	60	160	
			CULG	0530.0	0530.0	III	B	1	100	260	
			SVTO	0539.0	1525.0	CONT		1	25	180	
			IZMI	0648.0E	1009.0D	III	N	1	40	95	
	0648	1009	IZMI	0648.0	1009.0D	I	S,C	2	45	270X	
	0711	1420	ONDR								
	0715	1510	BLEN	0731.8	0745.0	III	GG,RS	3	350	3200	
			SVTO	0752.0	0753.0	III		1	25	180	
			IZMI	0752.6	0753.1	III	GG	2	25	260	
			IZMI	0811.2	0814.1	III	GG	1	30	190	
			IZMI	0840.7	0841.6	III	G	2	45	120	
			IZMI	0909.1	0911.1	III	GG	1	50	190	
			IZMI	0924.0	0924.5	III	G	1	30	240	
			IZMI	0957.8	0958.1	III	G,HARM	2	115	270X	
			IZMI	1114.0E	1200.0D	III	N	1	40	95	
	1114	1200	IZMI	1114.0E	1200.0D	I	S,C	2	90	270X	
			IZMI	1125.5	1125.7	III	G	2	35	270X	
			IZMI	1142.6	1144.3	III	G	2	160	270X	
			BLEN	1212.9	1218.0	DCIM	P	3	660	1450	
			BLEN	1240.9	1242.4	III	GG	3	250	360	
			BLEN	1331.8	1333.7	III	GG,RS,C	3	300	4000X	
			HOLL	1346.0	0000.0	CONT		1	75	180	
			BLEN	1423.1	1505.0X	DCIM	S,C	3	300	4000X	
			SGMR	1442.0	1442.0	III		1	30	50	
			SVTO	1442.0	1442.0	III		1	39U	63U	
			PALE	1652.0	0339.0	CONT		1	25	180	
			CULG	2000.0E	2400.0D	I	S	1	100	170	
	2000	2400	CULG	2000.0E	2400.0D	III	S,C	2	57X	180	
	2100	2400	HIRA								
			LEAR	2157.0	1017.0	CONT		1	25	180	
			HOLL	2201.0	2201.0	III		1	25	171	
			CULG	2202.0	2202.0	III	B	3	57X	100	
			CULG	2202.0	2218.0	III	N	1	360	1000	
			CULG	2225.0	2228.0	III	G	1	57X	350	
02	0000	0741	HIRA								
			CULG	0000.0E	0100.0U	I	S	1	100	180	
	0000	0800	CULG	0000.0E	0105.0U	III	S,C	2	57X	180	
			CULG	0103.0	0446.0	CONT		3	57X	180	
			CULG	0446.0	0800.0D	CONT		2	57X	180	
			SVTO	0540.0	1523.0	CONT		2	63	180	
	0700	1200	IZMI	0700.0E	1200.0D	I	S,C	2	45	270X	
	0713	1418	ONDR								
			IZMI	1125.3	1128.2	I	GG,DC	2	200	270	
			IZMI	1131.4	1139.3	I	GG,DC	2	160	270	
	0725	1505	BLEN	1435.9	1436.2	III	G,RS	2	1450	2050	
			PALE	1653.0	0322.0	CONT		1	25	180	
			CULG	2000.0E	2400.0D	I	S	1	100	170	
	2000	2400	CULG	2000.0E	2400.0D	III	S,C	1	57X	180	
	2101	2400	HIRA								
			LEAR	2156.0	0322.0	CONT		1	75	180	
03	0000	0740	HIRA								
			CULG	0000.0E	0109.0	I	S	1	100	170	
	0000	0800	CULG	0000.0E	0800.0D	III	S,C	1	57X	180	
	0650	1520	POTS	0647 E	1515 U	I	C,N	1	120	360	
	0658	1200	IZMI	0658.0E	1200.0D	I	N	2	100	270X	
	0715	1416	ONDR								
			IZMI	0827.2	0827.3	III	G	2	200	255	

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03			IZMI	0923.3	0923.4	III	B	2	175	190	
	0730	1500	BLEN	0926.2	0927.6	III	G	2	190	860	
			IZMI	0927.2	0927.8	III	GG	1	120	270X	
			IZMI	0946.2	0946.6	I	GG	2	165	215	
			IZMI	1015.2	1015.3	III	B	2	105	160	
			IZMI	1152.4	1153.3	UNCLF		2	180	200	
			POTS	1237.5	1237.9	DCIM		1	260U	450	
			HOLL	1833.0	1833.0	III		1	25	87	
			PALE	1833.0	1833.0	III		1	25	85	
	2000	2400	CULG								
	2102	2400	HIRA								
			LEAR	2205.0	2400.0	CONT		1	99	180	
04	0000	0739	HIRA								
			LEAR	0158.0	0158.0	III		1	38	100	
	0000	0800	CULG	0158.0	0159.0	III	G	1	57X	90	
			CULG	0241.0	0245.0	III	G	1	57X	90	
			CULG	0350.0	0352.0	III	G	1	120	380	
			CULG	0452.0	0452.0	III	B	1	57X	90	
			CULG	0546.0	0546.0	III	B	1	80	180	
			LEAR	0639.0	0640.0	III		1	25	132	
			CULG	0640.0	0640.0	III	B	1	57X	180	
	0650	1200	IZMI	0650.0	1200.0D	I	N	1	110	270X	
	0655	1520	POTS	0656 E	1515	I	C,N	1	130	360	
	0717	1414	ONDR								
			IZMI	0744.5	0744.6	UNCLF		2	230	270	
			POTS	0746.5	0748.3	DCIM		1	230	500	
			IZMI	0748.5	0749.7	III	G	1	195	270X	
			IZMI	0909.8	0910.3	III	GG	2	130	260	
			POTS	0910.3	0910.8	DCIM		1	320	400	
			IZMI	0911.8	0912.2	III	G	1	50	145	
			POTS	0913.0	0913.1	DCIM		1	300	360	
			POTS	0941.0	0941.1	DCIM		1	310	370	
			POTS	1109.6	1109.8	DCIM		1	280	360	
			IZMI	1129.2	1129.8	III	G	1	180	270X	
			POTS	1132.2	1133.1	DCIM		1	320	400	
			POTS	1201.2	1201.3	DCIM		1	320	360	
			POTS	1207.4	1207.6	III	B	2	140	290	
			POTS	1208.7	1209.0	DCIM		1	280	400	
			POTS	1213.6	1215.8	DCIM		1	320	370	
	0730	1500	BLEN	1217.9	1225.9	III	GG	2	180	300	
			POTS	1224.7	1224.8	III	B	1	130	240	
			POTS	1224.7	1224.9	DCIM		1	280	400	
			POTS	1307.6	1307.9	DCIM		1	280	400	
			BLEN	1308.5	1311.0	III	GG	2	260	540	
			POTS	1319.1	1319.4	III	G	1	130	170U	
			BLEN	1347.2	1357.9	III	GG,C	2	560	4000X	
			HOLL	1610.0	1621.0	II		2	29	180	ESS 1329
			HOLL	1611.0	1715.0	III	N	2	25	180	
			SGMR	1611.0	1628.0	II		2	30	80	ESS 2400
			HOLL	1612.0	1850.0	IV		1	36	180	
			PALE	1654.0	0337.0	CONT		1	83	180	
			HOLL	1906.0	1907.0	III		1	25	180	
	2000	2400	CULG	2000.0E	2220.0	III	N	1	57X	150	
			CULG	2015.0	2017.0	III	G	2	57X	150	
	2103	2400	HIRA								
			CULG	2122.0	2122.0	III	B	2	57X	150	
			CULG	2130.0	2131.0	III	G	2	57X	180	
			LEAR	2155.0	2318.0	III	N	1	25	180	
			CULG	2258.0	2300.0	III	G	2	57X	170	
			HOLL	2258.0	2259.0	III		1	25	150	
			CULG	2313.0	2314.0	III	G	1	57X	180	
			CULG	2327.0	2327.0	III	G	1	57X	90	
			CULG	2354.0	2357.0	III	G	3	57X	180	
05			LEAR	0031.0	0042.0	III	N	2	25	180	
	0000	0800	CULG	0031.0	0031.0	III	B	1	57X	180	
	0000	0415	HIRA	0038.5	0039.0	III	B	1	25X	N/A	
			CULG	0039.0	0042.0	III	G	1	57X	180	

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05			CULG	0104.0	0106.0	III	G	1	57X	140	
			LEAR	0104.0	0107.0	III		1	25	131	
			CULG	0119.0	0250.0	III	N	1	57X	80	
			LEAR	0119.0	0240.0	III	N	1	25	77	
			CULG	0148.0	0150.0	III	G	3	57X	480	
			LEAR	0148.0	0149.0	V		2	25	180	
			HIRA	0149.0	0149.5	III	B	2	30	N/A	
			CULG	0214.0	0214.0	III	B	1	57X	130	
			LEAR	0409.0	0412.0	III		1	25	180	
			CULG	0410.0	0410.0	III	B	2	57X	420	
			CULG	0412.0	0441.0	III	N	1	57X	100	
			CULG	0520.0	0521.0	III	G	1	57X	90	
			CULG	0558.0	0559.0	III	G	1	57X	80	
	0635	0738	HIRA								
			CULG	0648.0	0723.0	III	N	1	57X	100	
	0655	1515	POTS	0655	1410	I	S,C,N	2	120	320	
	0655	1200	IZMI	0719.5	0721.1	III	G	1	40	150	
			IZMI	0721.9	0722.3	III	G	1	100	190	
			POTS	0735.5	0735.6	III	B	1	270	360	
			IZMI	0830.5	0830.9	III	B	1	40	90	
			IZMI	0836.0	0836.1	III	B	1	55	80	
			IZMI	0906.0U	0955.0U	I	N	1	90	180	
	0719	1412	ONDR	0907.4	0910.3	DCIM	GG	2	800X	2000X	
	0730	1500	BLEN	0907.9	0928.5	II		2	190	2200	
			POTS	0910	0936	UNCLF		1	200U	380	
			IZMI	0910.0U	0957.0U	III	N	1	45	150	
			IZMI	0912.4	0915.6	III	GG	1	50	270	
			POTS	0917.6	0922.9	III	GG	1	130	370	
			IZMI	0918.4	0931.5	III	S	1	40	270X	
			LEAR	0922.0	0935.0	III	N	1	25	180	
			POTS	0924.5	0927.0	III	G	1	40X	170U	
			IZMI	0933.2	0937.3	III	GG	2	30	220	
			POTS	0933.3	0934.3	III	G	2	40X	220	
			SVTO	0935.0	0935.0	III		1	25U	180U	
			POTS	0945.7	0946.4	III	G	1	120	150	
			POTS	1022.6	1024.8	III	GG	1	130	160	
			IZMI	1027.0	1027.6	III	G	1	40	75	
			POTS	1048.3	1048.5	III	G	1	130	170U	
			IZMI	1050.2	1050.4	III	G	2	90	180	
			POTS	1057.5	1059.9	III	GG	1	120	150	
			IZMI	1059.1	1101.8	III	G	1	50	160	
			POTS	1137.8	1138.3	III	G	1	120	160	
			POTS	1143.3	1143.7	UNCLF		1	40X	60	
			IZMI	1145.2	1145.5	III	B	1	40	90	
			POTS	1150.3	1150.4	DCIM		1	260	300	
			POTS	1150.7	1150.8	UNCLF		1	40X	50	
			POTS	1152.2	1153.8	III	G	2	40X	360	
			IZMI	1152.6	1152.7	III	B	1	35	60	
			IZMI	1153.9	1155.2	III	GG,FS	2	30	270X	
			SGMR	1154.0	1155.0	III		1	30	55	
			SVTO	1154.0	1155.0	III		2	25	180	
			POTS	1154.7	1154.8	III	B	1	120	140	
			POTS	1156.6	1156.9	III	B	2	40X	150	
			POTS	1158.3	1159.4	III	G	1	40X	150	
			IZMI	1158.5	1158.8	III	B	1	35	65	
			POTS	1159.5	1159.8	DCIM		1	200	500	
			POTS	1226.2	1229.6	III	G	2	40X	360	
			SVTO	1228.0	1229.0	III		1	25U	180U	
			POTS	1344.3	1344.5	III	B	1	40X	140	
			POTS	1418.7	1419.2	DCIM	RS	1	270	370	
			BLEN	1420.5	1441.5	III	GG,RS	2	190	1100	
			POTS	1424.2	1424.5	III	G	1	40X	500	
			POTS	1426.5	1428.3	III	G	2	40X	380	
			HOLL	1428.0	1429.0	III		1	25	180	
			SGMR	1428.0	1429.0	III		1	30	55	
			SVTO	1428.0	1429.0	III		1	40	180	
			POTS	1429.7	1429.8	III	B	1	120	210	
			POTS	1458	1509	I	C	1	230	300	
			HOLL	2016.0	2017.0	III		1	25	56	

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05			HOLL	2034.0	2043.0	III		1	25	139	
	2000	2400	CULG	2035.0	2044.0	III	GG	2	57X	170	
			HOLL	2102.0	2330.0	III	N	1	25	83	
	2104	2400	HIRA								
			CULG	2123.0	2124.0	III	G	1	57X	180	
			CULG	2148.0	2158.0	III	G	1	57X	130	
			CULG	2153.0	2154.0	III	G	3	57X	500	
			CULG	2211.0	2211.0	III	B	1	57X	90	
			LEAR	2252.0	2253.0	III		1	25	89	
			CULG	2253.0	2253.0	III	B	1	57X	150	
			LEAR	2354.0	2356.0	III		2	25	180	
06	0000	0737	HIRA								
			LEAR	0027.0	0028.0	III		1	25	83	
	0000	0800	CULG	0028.0	0028.0	III	B	1	57X	90	
			CULG	0055.0	0055.0	III	B	1	65	180	
			LEAR	0145.0	0147.0	III		1	25	64	
			CULG	0146.0	0147.0	III	G	1	57X	90	
			LEAR	0245.0	0450.0	III	N	1	25	180	
			CULG	0253.0	0257.0	III	G	1	57X	160	
			CULG	0258.0	0300.0	III	G	1	350	1400	
			LEAR	0304.0	0308.0	II		1	40	108	ESS 0593
			CULG	0306.0	0309.0	UNCLF		1	75	95	
			CULG	0416.0	0416.0	III	B	1	57X	140	
			CULG	0509.0	0636.0	III	N	1	57X	90	
			LEAR	0625.0	0635.0	III		2	25	136	
			SVTO	0632.0	0633.0	III		1	25	67	
	0655	1515	POTS	0700	0722	I	C	1	220	280	
			POTS	0704.8	0705.2	DCIM		1	200U	360	
	0700	1200	IZMI	0706.8	0707.3	III	G	2	175	270X	
			POTS	0709.8	0710.3	DCIM		1	340	400	
			POTS	0710.0	0710.3	III	G	1	40X	280	
			IZMI	0712.9	0713.4	III	G	1	40	115	
			LEAR	0713.0	0713.0	III		1	30	94	
			POTS	0714.3	0715.1	DCIM		1	210	500	
			IZMI	0716.3	0717.1	III	G	1	180	270	
			BLEN	0739.5	0750.2	III	GG,RS	3	210	1000	
			POTS	0739.7	0740.4	DCIM		2	200U	700	
			POTS	0741.4	0742.3	DCIM		1	200U	600	
			BLEN	0742.0	0742.4	DCIM	S	2	700	2500	
			IZMI	0742.1	0742.4	III	G	1	185	270	
			IZMI	0743.4	0744.4	III	GG	2	165	270X	
			POTS	0744.3	0744.9	DCIM		1	210	650	
			IZMI	0746.1	0746.9	III	G	2	40	270X	
			POTS	0748.8	0751.0	DCIM		1	200U	330	
			IZMI	0750.9	0753.0	III	GG	2	180	270X	
			POTS	0751	0930	I	C,N	1	120	280	
			ONDR	0830.3	0830.5	DCIM	GG,SP	2	1362	1817	
	0721	1409	ONDR	0830.3	0831.2	DCIM	G	1	2693	4500X	
			IZMI	0911.5	0911.6	III	B	1	45	90	
			POTS	0936.2	0936.5	DCIM		1	260	330	
			POTS	0942.7	0942.8	DCIM		1	280	330	
			POTS	1018.0	1018.8	DCIM		1	260	500	
			POTS	1025.0	1025.3	DCIM		1	210	450	
			POTS	1122.5	1122.6	DCIM		1	330	370	
			POTS	1132.3	1132.5	III	B	2	40X	220	
			SVTO	1134.0	1134.0	III		1	25	145	
			IZMI	1134.2	1134.4	III	B	2	25X	250	
			POTS	1157	1406	I	C	1	110U	280	
			POTS	1223.9	1224.1	DCIM		1	630X	800X	
			BLEN	1224.5	1226.2	III	G,C	2	630	4000X	
			ONDR	1226.0	1226.1	DCIM	G,W	1	2000X	4500X	
			POTS	1237.3	1239.8	DCIM		2	210	500	
			POTS	1237.6	1237.8	III	G	1	130	170U	
			BLEN	1239.3	1240.5	III	GG	3	150	730	
			SVTO	1319.0	1319.0	III		1	25	42	
			POTS	1348.4	1348.8	DCIM		1	290	330	
			POTS	1351.0	1351.9	DCIM		2	210	750	
	0700	1500	BLEN	1353.0	1359.5	III	GG,V	1	270	1000	

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06			POTS	1354.2	1356.3	DCIM		1	220	700	
			ONDR	1356.1	1359.3	DCIM	GG	2	800X	2000X	
			ONDR	1357.2	1358.4	DCIM	G	1	2000X	4500X	
			POTS	1446.3	1446.8	III	G	1	200U	320	
			SVTO	1448.0	1448.0	III		1	25	180	
			SVTO	1448.0	1448.0	III		1	128	180	
			POTS	1456	1504	I	C	1	210	300	
			PALE	1654.0	0312.0	CONT		1	25	180	
	2000	2400	CULG								
			LEAR	2154.0	1020.0	CONT		1	25	180	
07	0000	0800	CULG	0105.0	0106.0	III	G	1	180X	480	
			CULG	0110.0	0113.0	III	G	1	180X	520	
			LEAR	0111.0	0112.0	III		2	25	111	
			CULG	0414.0	0414.0	III	B	1	120	340	
			CULG	0434.0	0437.0	III	G	1	75	340	
	0600	0736	HIRA								
			CULG	0647.0	0647.0	III	G	1	57X	150	
			CULG	0650.0	0654.0	III	G	1	300	1000	
	0654	1515	POTS	0704	0725	I	C,N	1	210	350	
	0700	1200	IZMI	0713.7	0714.8	I	GG	1	180	215X	
	0723	1407	ONDR								
			POTS	0733.0	0738.6	UNCLF		1	55	60	
			POTS	0815	0835	I	N	1	120	300	
			POTS	0823.1	0823.3	UNCLF		1	50	70	
			POTS	0843 9	0845 2	III	G	1	120	270	
			IZMI	0846.1	0847.7	III	GG,U	2	95	270X	
			POTS	0856	1515 U	I	N,C	2	120	300	
	0735	1500	BLEN	1035.2	1036.2	DCIM	C	1	2000	4000X	
			IZMI	1142.4	1143.4	I	GG	2	180	190	
			POTS	1313 1	1313 3	III	G	1	200U	350	
			POTS	1314 2	1316 2	III	GG	2	120	600	
			POTS	1317 2	1317 8	III	G	1	200U	350	
			POTS	1359 6	1400 7	III	G	1	130	380	
	2000	2400	CULG	2145.0	2400.0D	I	S	1	80	180	
			LEAR	2153.0	0200.0	CONT		1	70	180	
			CULG	2210.0	2210.0	III	B	1	70	180	
			HOLL	2210.0	2210.0	III		1	25	160	
	2106	2400	HIRA	2210.0	2210.5	III	B	1	80	130	
08	0000	0800	CULG	0000.0E	0624.0	I	S	1	70	170	
	0000	0736	HIRA	0002.0	0002.5	III	B	1	300	730	
	0650	1200	IZMI	0650.0E	1200.0D	I	S	1	90	270	
			CULG	0700.0	0707.0	III	GG	1	200	500	
			HIRA	0700.0	0703.5	III	G	3	80	500	
	0654	1515	POTS	0700.1	0726.4	IV		2	70	400U	
			IZMI	0700.3	0706.2	III	GG	2	120	270X	
			POTS	0701.7	0726.4	II		3	40X	210U	
			CULG	0702.0	0703.0	III	G	3	75	520	
			LEAR	0702.0	0703.0	III		3	71	180	
			SVTO	0702.0	0703.0	III		2	81	180	
			IZMI	0702.2	0703.2	CONT		2	85	270X	
			LEAR	0703.0	0728.0	II		3	25	180	ESS 0818
			SVTO	0703.0	0725.0	II		3	25	180	ESS 0799
			IZMI	0703.8	0721.4	II	HARM	2	30	270X	
			CULG	0704.0	0708.0	II	FN	3	57X	150	
			CULG	0704.0	0710.0	II	SH	3	65	300	ESS 1000
			HIRA	0704.0	0715.0	II		3	60	300	
			CULG	0707.0	0710.0	III	G	2	57X	180	
			CULG	0707.0	0711.0	II	FN	3	57X	70	
			CULG	0707.0	0726.0	II	SH	3	57X	140	ESS 400
			IZMI	0707.0	0710.3	III	G	2	160	270X	
			IZMI	0717.4	0719.2	III	G,FS	2	130	270X	
			POTS	0726	1513 U	I	C,N	1	50	300	
			IZMI	0727.7	0728.6	III	G	1	40	100	
			CULG	0728.0	0729.0	III	G	1	57X	110	
			POTS	0744.7	0745.0	DCIM		1	620	800X	
	0740	1450	BLEN	0746.8	0750.9	III	G,S	2	630	1510	
			POTS	0747.0	0747.2	DCIM		1	620	800X	

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08			POTS	0748.6	0748.7	DCIM		1	620	800X	
			POTS	0759.4	0759.5	DCIM		1	350	800X	
			BLEN	0801.4	0804.8	III	RS	2	620	1150	
			POTS	0802.5	0802.6	DCIM	RS	1	700	800X	
			POTS	0822.7	0822.8	DCIM	RS	1	500	580	
			IZMI	0823.3	0828.8	I	GG	2	95	215	
			POTS	0833.5	0835.7	UNCLF		1	500	600	
			IZMI	0859.0	0859.7	III	GG	2	85	270X	
			POTS	0934.1	0934.9	III	G	1	140	220	
			IZMI	0935.1	0938.2	III	GG	2	120	260	
	0725	1405	ONDR	0935.3	0943.4	DCIM	G	1	800X	2000X	
			POTS	0937.5	0938.7	II		2	40X	400U	
			LEAR	0938.0	0940.0	III		2	25	180	
			SVTO	0938.0	0939.0	III		2	25	180	
			IZMI	0938.3	0940.0	III	GG,C	3	40	270X	
			BLEN	0938.5	0939.5	II	H	2	110X	450	
			BLEN	0939.0	0939.8	DCIM	C,P	2	450	2000	
			IZMI	0940.6	0942.1	I	GG,DC	1	170	270	
			POTS	0946.2	0946.3	DCIM	RS	1	600	700	
			IZMI	1011.7	1012.0	III	G	2	220	275X	
			POTS	1014.6	1018.8	II		3	40X	400U	
			POTS	1014.6	1019.5	IV		2	40X	800X	
			LEAR	1016.0	1019.0	V		2	25	180	
			IZMI	1016.6	1018.3	III	GG,C	3	25X	270X	
			BLEN	1016.8	1018.3	III	GG,S	3	100X	380	
			BLEN	1016.8	1021.8	DCIM	S,P	3	300	4000X	
			IZMI	1017.0	1020.0U	V		2	25X	240U	
			SVTO	1017.0	1020.0	V		2	25	180	
			ONDR	1017.1	1018.4	DCIM	G	1	2000X	4500X	
			ONDR	1017.1	1019.3	DCIM	G	2	800X	2000X	
			IZMI	1019.2	1021.0	III	GG,C	2	90	270X	
			SVTO	1024.0	1024.0	V		2	25	180	
			IZMI	1024.4	1028.6	II		1	65	90	
			SVTO	1026.0	1030.0	II		1	51U	70U	ESS 0255
			IZMI	1026.6	1028.5	III	GG	2	110	270X	
			IZMI	1030.7	1031.4	III	G	2	45	195	
			IZMI	1032.1	1039.1	II		1	40	75	
			POTS	1054.6	1054.7	DCIM		2	470	630	
			POTS	1119.4	1119.6	DCIM		1	470	600	
			POTS	1137.2	1137.5	DCIM		1	570	640	
			POTS	1139.2	1139.3	DCIM	RS	1	570	620	
			POTS	1149.4	1149.6	III	B	1	120	250	
			IZMI	1151.5	1151.8	III	G	1	50	270X	
			POTS	1158.2	1159.2	DCIM	RS	2	300	700	
			POTS	1222.0	1222.7	DCIM		1	480	600	
			BLEN	1224.1	1227.2	III	GG,RS	2	420	620	
			POTS	1224.9	1225.0	DCIM	RS	1	430	520	
			SVTO	1241.0	1243.0	III		1	110U	180U	
			POTS	1241.9	1242.2	DCIM	RS	1	430	600	
			POTS	1330.5	1331.1	DCIM		1	320	430	
			BLEN	1332.8	1350.5	III	GG,U	2	230	1720	
			POTS	1333.2	1333.6	DCIM		1	390	520	
			POTS	1336.1	1336.2	DCIM		1	300	500	
			POTS	1338.6	1338.7	DCIM		1	400	480	
			POTS	1342.9	1344.4	DCIM	RS	2	420	600	
			POTS	1345.7	1347.0	DCIM	RS	2	300	700	
			POTS	1434.0	1434.1	DCIM	RS	1	320	380	
			POTS	1438.8	1439.4	III	G	2	40X	90U	
			POTS	1439.3	1439.6	DCIM	RS	1	300	600	
			POTS	1439.4	1440.5	V		2	40X	80	
			HOLL	1440.0	1442.0	III		1	25	156	
			POTS	1440.3	1441.3	DCIM	RS	1	300	400	
			SVTO	1441.0	1441.0	III		1	25	180	
			BLEN	1441.4	1444.8	III	GG,RS	2	300	770	
			POTS	1442.2	1442.5	DCIM		1	300	500	
			POTS	1456.3	1456.9	DCIM		1	300	700	
			POTS	1458.2	1458.3	DCIM		1	300	400	
			POTS	1505.0	1505.6	DCIM		1	300	450	
			SGMR	1535.0	1543.0	III		1	30	41	

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08			PALE	1854.0	1905.0	V		1	25	180	
			HOLL	1858.0	1937.0	III	N	2	25	180	
			SGMR	1901.0	1903.0	V		2	30	80	
			HOLL	1909.0	1917.0	II		1	58	173	ESS 0954
			PALE	1909.0	1913.0	II		2	113	180	ESS 0928
			HOLL	1919.0	2344.0	IV		1	58	180	
	2000	2400	CULG	2004.0	2004.0	III	G	1	57X	140	
			CULG	2024.0	2027.0	III	G	2	57X	180	
			HOLL	2024.0	2025.0	III		1	25	144	
			CULG	2051.0	2136.0	III	N	1	57X	180	
			CULG	2059.0	2200.0	III	G	1	57X	390	
			LEAR	2153.0	0941.0	III	N	1	75	180	
			HOLL	2159.0	2208.0	III		1	60	180	
			PALE	2159.0	2159.0	III		1	84	180	
	2107	2400	HIRA	2159.0	2200.0	III	B	2	80	380	
			CULG	2230.0	2256.0	III	N	1	57X	180	
			HIRA	2230.0	2237.0	III	G	1	N/A	300	
			CULG	2318.0	2325.0	III	G	2	57X	180	
			HOLL	2321.0	2344.0	III	N	1	25	180	
			HIRA	2321.5	2322.0	III	B	2	50	250	
			HIRA	2324.5	2325.0	III	B	1	50	160	
			CULG	2331.0	2338.0	III	G	3	57X	300	
			HIRA	2331.0	2336.0	III	G	3	N/A	500	
			LEAR	2331.0	2335.0	III		3	25	180	
			PALE	2331.0	2335.0	III		1	25	180	
09	0000	0800	CULG	0010.0	0044.0	III	N	1	57X	180	
			CULG	0031.0	0113.0	I	S	1	110	180	
			CULG	0110.0	0111.0	III	G	1	57X	180	
	0000	0735	HIRA	0110.0	0110.5	III	B	1	N/A	310	
			CULG	0121.0	0123.0	III	G	3	57X	180	
			HIRA	0121.0	0123.0	III	G	3	N/A	280	
			LEAR	0121.0	0123.0	V		3	25	180	
			PALE	0121.0	0122.0	III		1	25	180	
			CULG	0125.0	0128.0	III	G	1	340	700	
			CULG	0212.0	0213.0	III	G	1	280	480	
			HIRA	0212.0	0213.0	III	G	2	220	560	
			CULG	0237.0	0246.0	III	GG	2	57X	180	
			HIRA	0237.0	0238.0	III	B	3	N/A	210	
			HIRA	0241.0	0244.5	III	G	2	N/A	300	
			HIRA	0246.5	0247.0	III	B	1	400	600	
			CULG	0304.0	0327.0	III	N	1	57X	180	
			HIRA	0325.5	0327.5	III	G	1	N/A	240	
			CULG	0417.0	0419.0	III	G	1	57X	180	
			CULG	0434.0	0442.0	III	GG	1	57X	180	
			CULG	0500.0	0624.0	I	S	1	110	180	
			CULG	0551.0	0551.0	III	B	1	57X	180	
			CULG	0629.0	0630.0	III	G	1	57X	150	
			HIRA	0629.0	0629.5	III	B	1	N/A	130	
			CULG	0655.0	0659.0	III	G	1	57X	150	
	0702	1200	IZMI	0702.0E	1200.0D	I	S	2	110	270X	
	0655	1510	POTS	0713 E	1507 U	I	C,N	1	130	380	
			POTS	0731.8	0732.1	III	G	1	40X	350	
			CULG	0734.0	0734.0	III	B	1	57X	180	
			IZMI	0734.2	0734.8	III	G	2	35	270X	
			IZMI	0738.6	0738.8	III	B	2	50	270X	
			CULG	0739.0	0739.0	III	B	1	57X	180	
			POTS	0742.7	0743.2	III	G	2	40X	500	
			POTS	0743.2	0743.6	V		2	40X	80	
			CULG	0745.0	0746.0	III	G	2	57X	180	
			SVTO	0745.0	0859.0	III	N	2	25	180	
			IZMI	0745.1	0746.1	III	GG	2	25	270X	
			IZMI	0806.0	0806.5	III	G	1	50	270	
			POTS	0810.9	0813.0	III/V	G	2	40X	360	
			IZMI	0812.8	0816.3	III	GG,C	2	25X	270X	
			LEAR	0813.0	0815.0	III		3	25	180	
			IZMI	0819.7	0820.4	III	G	1	45	90	
	0745	1450	BLEN	0846.0	1450 X	I	DC,C	2	200	4000X	
	0727	1403	ONDR	0852.1	0901.4	DCIM	G,W	1	2146	4500X	

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09			BLEN	0945.0	0951.1	DCIM	C	2	900	4000X	
			POTS	0957.4	0957.5	DCIM		1	330	400	
			IZMI	1010.2	1011.7	III	G	1	180	270X	
			IZMI	1015.4	1015.5	III	B	1	185	270X	
			IZMI	1021.0	1024.0	UNCLF		1	45	130	
			IZMI	1026.4	1029.0U	UNCLF		1	45	140	
			IZMI	1028.1	1029.0	III	G	1	50	70	
			IZMI	1101.8	1102.6	III	G	1	140	270X	
			POTS	1337.3	1337.4	III	B	1	40X	150	
			HOLL	1623.0	1625.0	III		1	107	180	
			HOLL	1822.0	1846.0	III	N	1	25	180	
			SGMR	1824.0	1849.0	III	N	2	30	80	
			HOLL	1832.0	2114.0	IV		1	52	164	
			HOLL	1837.0	1846.0	II		1	54	138	ESS 0473
			HOLL	1954.0	1955.0	III		1	25	130	
	2000	2400	CULG	2106.0	2110.0	III	G	1	57X	180	
			CULG	2125.0	2130.0	III	G	1	57X	180	
			CULG	2144.0	2146.0	III	G	1	57X	180	
	2108	2400	HIRA	2144.0	2145.0	III	B	1	N/A	380	
10			LEAR	0224.0	0225.0	III		1	25	180	
	0000	0734	HIRA	0224.5	0225.0	III	B	2	N/A	200	
	0000	0800	CULG	0225.0	0226.0	III	G	1	57X	180	
			CULG	0314.0	0315.0	III	G	1	57X	90	
			LEAR	0314.0	0315.0	III		1	25	101	
			CULG	0439.0	0440.0	III	G	1	57X	180	
			CULG	0455.0	0456.0	III	G	2	57X	200	
			HIRA	0455.0	0456.0	III	G	2	N/A	190	
			LEAR	0455.0	0500.0	III		2	25	180	
			CULG	0500.0	0500.0	III	B	1	57X	130	
			CULG	0607.0	0610.0	III	G	1	57	150	
			LEAR	0607.0	0610.0	III		1	25	67	
	0650	1200	IZMI	0654.3	0655.2	III	G	2	210	270X	
	0655	1510	POTS	0713 E	1503 U	I	C,N,DC	1	130	370	
			IZMI	0713.1	0713.3	III	B	1	95	185	
			POTS	0729.2	0729.5	III	G	1	210	380	
	0730	1402	ONDR								
			LEAR	0730.0	0730.0	III		1	47	180	
			SVTO	0730.0	0730.0	III		1	74U	180U	
			IZMI	0730.6	0730.8	III	G	2	70	276X	
			CULG	0731.0	0732.0	III	G	1	57X	180	
			IZMI	0731.7	0732.0	III	G	1	80	270	
	0750	1450	BLEN								
			LEAR	0811.0	0813.0	III		1	119	167	
			IZMI	0919.9	0920.5	I	GG	2	165	180	
			POTS	0922.5	0922.8	III	G	1	120	300	
			POTS	0948.0	0949.0	III	G	1	120	160	
			IZMI	0950.5	0951.6	III	G	1	105	160	
			POTS	1229.1	1229.2	III	B	1	40X	300	
			POTS	1229.2	1230.1	V		1	40X	70	
	2000	2400	CULG	2053.0	2053.0	III	B	1	57X	120	
	2109	2400	HIRA	2151.5	2152.0	III	B	1	N/A	110	
			LEAR	2251.0	2252.0	III		1	32	103	
11	0000	0800	CULG	0327.0	0331.0	III	G	1	70	170	
	0000	0733	HIRA	0459.0	0459.5	III	B	1	110	330	
			HIRA	0512.5	0513.0	III	B	1	300	440	
			CULG	0604.0	0604.0	III	B	1	100	200	
			HIRA	0604.0	0604.5	III	B	3	100	370	
			LEAR	0604.0	0604.0	III		1	109	180	
			SVTO	0604.0	0604.0	III		1	108U	180U	
	0655	1510	POTS	0721 E	1456 U	I	C,N	1	130	360	
	0732	1400	ONDR								
	0750	1450	BLEN	0750.0X	1450.0X	I	DC,C	1	140	300	
			POTS	0848.6	0849.0	III	G	1	140	370	
			POTS	0907.5	0907.6	III	B	1	140	300	
	0700	1200	IZMI	0910.0	0910.1	III	B	1	135	270X	
			IZMI	1054.0	1200.0	I	S	2	160	270X	
			POTS	1128.0	1128.9	III	G	1	130	350	

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11			IZMI	1130.5	1132.1	III	GG	2	145X	270X	
			POTS	1433.4	1433.5	III	G	1	200U	370	
			POTS	1441.4	1441.5	III	B	1	200U	370	
	2000	2400	CULG	2252.0	2252.0	III	B	1	57X	90	
			CULG	2301.0	2301.0	III	B	1	80	180	
	2110	2400	HIRA	2301.0	2301.5	III	B	1	120	290	
			CULG	2335.0	2335.0	III	B	1	70	180	
			HIRA	2335.0	2335.5	III	B	1	60	290	
			HIRA	2349.5	2350.5	III	G	1	60	300	
			CULG	2350.0	2350.0	III	G	1	57X	180	
12	0000	0800	CULG	0042.0	0042.0	III	B	1	70	300	
	0000	0732	HIRA	0108.0	0117.0	III	G	1	N/A	420	
			LEAR	0109.0	0115.0	III		2	25	180	
			CULG	0110.0	0116.0	III	GG	2	57X	300	
			HIRA	0144.0	0144.5	III	B	1	110	240	
			CULG	0320.0	0322.0	III	G	1	57X	90	
			CULG	0345.0	0401.0	III	GG	1	57X	180	
			LEAR	0345.0	0352.0	III		1	25	180	
			HIRA	0352.5	0353.5	III	G	1	N/A	260	
			CULG	0440.0	0442.0	III	G	2	57X	300	
			HIRA	0440.0	0441.0	III	B	2	N/A	300	
			LEAR	0440.0	0441.0	III		1	25	180	
	0700	1200	IZMI	0659.4	0659.5	III	B	1	50	270X	
			CULG	0728.0	0728.0	III	B	1	57X	90	
	0734	1358	ONDR								
			IZMI	0814.8	0815.0	III	G	1	195	270X	
	0750	1450	BLEN	1352.9	1353.7	III	G	2	130	370	
			HOLL	1353.0	1353.0	III		1	58	180	
			SVTO	1353.0	1353.0	III		1	60	180	
			BLEN	1437.9	1438.4	III	GG	2	140	400	
			HOLL	1602.0	1602.0	III		1	60	180	
			HOLL	2226.0	2226.0	III		1	56	138	
			LEAR	2226.0	2229.0	III		1	30	146	
	2000	2400	CULG	2226.0	2226.0	III	B	1	57X	150	
	2111	2400	HIRA	2226.0	2226.5	III	B	1	50	130	
			LEAR	2255.0	0057.0	CONT		1	81	180	
			CULG	2305.0	2400.0D	I	S	1	110	160	
13	0000	0800	CULG	0000.0E	0009.0	I	S	1	110	160	
	0000	0732	HIRA	0218.5	0219.0	III	B	1	N/A	160	
			CULG	0258.0	0258.0	III	B	1	57X	180	
			HIRA	0258.0	0258.5	III	B	1	N/A	200	
			LEAR	0258.0	0258.0	III		1	25	180	
			CULG	0313.0	0314.0	III	G	1	80	200	
			LEAR	0313.0	0314.0	III		1	25	180	
			HIRA	0313.5	0314.0	III	B	2	80	140	
			CULG	0725.0	0725.0	III	B	1	57X	80	
	0655	1505	POTS	0729 E	1434 U	I	C,N	1	120	350	
	0700	1200	IZMI	0746.8	0747.8	I	GG	1	160	270X	
			IZMI	0747.6	0747.7	III	B	1	90	130	
			IZMI	0913.8	0913.9	III	B	1	90	150	
			ONDR	0922.1	0923.4	DCIM	GG,SP	2	800X	2000X	
	0800	1450	BLEN	0922.2	0924.1	III	GG,S	2	700	4000X	
	0736	1356	ONDR	0922.4	0924.0	DCIM	G	1	2000X	4500X	
	2000	2400	CULG	2008.0	2008.0	III	B	1	57X	90	
	2112	2400	HIRA								
			LEAR	2151.0	1024.0	III	N	1	78	180	
			CULG	2203.0	2254.0	III	N	1	57X	150	
14	0000	0731	HIRA	0421.5	0422.0	III	B	2	N/A	120	
	0000	0800	CULG	0422.0	0422.0	III	B	2	57X	150	
			CULG	0425.0	0427.0	III	G	1	57X	180	
			CULG	0454.0	0455.0	III	G	1	57X	140	
	0655	1505	POTS	0702 E	1443 U	I	C,N	1	120	360	
	0650	1200	IZMI	0703.0E	1200.0D	I	N	1	180U	270X	
	0738	1354	ONDR								
			IZMI	0841.6	0841.8	III	G	1	40	270	
			IZMI	0915.7	0916.0	I	GG	2	180	230	

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14			POTS	1247.3	1247.5	DCIM		1	210	400U	
	0800	1450	BLEN	1250.2	1250.4	III	G,V	2	230	780	
			POTS	1252.5	1252.6	UNCLF		1	40X	70	
	2113	2400	HIRA	2150.0	2150.5	III	B	1	130	240	
			LEAR	2151.0	1024.0	CONT		1	38	180	
15			LEAR	0141.0	1024.0	III	N	1	25	180	
	0000	0730	HIRA	0202.0	0204.5	III	G	2	90	300	
	0000	0800	CULG	0202.0	0205.0	III	G	2	57X	280	
			CULG	0209.0	0212.0	III	G	1	57X	180	
			HIRA	0209.0	0209.5	III	B	2	100	200	
			CULG	0230.0	0252.0	III	N	1	57X	180	
			CULG	0405.0	0405.0	III	B	1	57X	90	
			CULG	0419.0	0419.0	III	B	1	57X	180	
			CULG	0425.0	0445.0	I	S	1	110	180	
			CULG	0440.0	0441.0	III	G	1	57X	90	
			CULG	0500.0	0500.0	III	B	1	57X	80	
			CULG	0507.0	0507.0	III	B	1	57X	90	
			CULG	0612.0	0612.0	III	B	1	57X	80	
			CULG	0656.0	0656.0	III	B	1	57X	180	
			HIRA	0656.0	0656.5	III	B	2	90	210	
			CULG	0723.0	0725.0	III	G	1	100	180	
	0654	1500	POTS	0737 E	1436 U	I	C,N	1	120	390	
			CULG	0740.0	0742.0	III	G	1	57X	80	
	0700	1200	IZMI	0806.1	0807.2	III	G,FS	1	40	65	
			IZMI	0841.9	0841.9	III	B	1	180U	270X	
			POTS	1114.7	1115.8	III	G	1	120	360	
			POTS	1119.4	1121.4	III	GG	2	40X	400U	
			IZMI	1120.8	1124.8	III	GG,C	1	25	270X	
	0800	1450	BLEN	1121.4	1125.3	III	S,C,RS	2	180	4000X	
			SVTO	1122.0	1243.0	CONT		1	73	180	
	0741	1352	ONDR	1123.1	1124.4	DCIM	G,W	1	2312	4500X	
			IZMI	1152.7	1153.0	III	G	1	180U	240	
	2000	2400	CULG								
	2000	2400	CULG	2000.0E	2116.0	I	S	1	120	180	
			CULG	2042.0	2212.0	III	N	1	57X	180	
	2114	2400	HIRA	2302.0	2304.5	III	G	1	100	500	
16	0000	0730	HIRA	0003.0	0004.5	III	G	1	N/A	180	
	0000	0800	CULG	0003.0	0004.0	III	G	1	57X	180	
			HIRA	0320.0	0320.5	III	B	1	N/A	100	
			CULG	0340.0	0346.0	III	G	1	57X	180	
	0743	1350	ONDR								
	0654	1500	POTS	0746	0830	I	C	1	200U	300	
	0800	1450	BLEN	0915.0	1450.0X	I	DC	2	250	420	
			POTS	0954.7	0954.8	III	B	1	120	150	
	0652	1200	IZMI	0957.7	0959.8	III	GG	1	110	160	
			POTS	0958.7	1000.0	III	G	1	40X	170U	
			IZMI	1001.7	1003.1	III	GG	2	55	235	
			POTS	1010	1431 U	I	C,N	1	120	380	
			IZMI	1011.4	1111.6	III	B,HARM	1	55X	160	
			IZMI	1013.4	1113.8	III	G	1	120	200	
			IZMI	1020.6	1021.1	III	G	1	100	160	
			IZMI	1023.2	1030.3	I	N	1	220	270X	
			POTS	1143.1	1144.2	III	G	1	40X	150	
			SVTO	1145.0	1147.0	III		1	25	82	
			IZMI	1146.5	1147.2	III	G	1	40	90	
			POTS	1240.9	1243.5	III	GG	1	40X	170U	
			POTS	1245.2	1246.3	III	G	1	40X	160	
			POTS	1249.7	1250.8	III	G	2	40X	360	
			SVTO	1252.0	1253.0	III		1	25	180	
			POTS	1314.2	1316.6	III	GG	2	40X	350	
			HOLL	1852.0	1853.0	III		1	63	161	
	2115	2400	HIRA								
	2000	2400	CULG	2136.0	2136.0	III	B	1	57X	90	
			CULG	2144.0	2144.0	III	B	1	57X	90	
			LEAR	2204.0	2209.0	III		1	25	108	
17	0000	0729	HIRA								

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17			LEAR	0109.0	0112.0	III		1	25	57	
	0000	0800	CULG	0204.0	0228.0	I	S	1	120	180	
			CULG	0215.0	0227.0	III	G	1	57X	180	
			LEAR	0219.0	0224.0	III		1	25	180	
			CULG	0432.0	0449.0	I	S	1	110	180	
			LEAR	0438.0	0455.0	CONT		1	100	180	
			CULG	0444.0	0555.0	IV		1	57X	500U	
			CULG	0448.0	0553.0	III	S	2	57X	800	
			LEAR	0450.0	0455.0	II		1	45	145	ESS 0557
			LEAR	0455.0	1025.0	IV		2	25	180	
			LEAR	0500.0	0507.0	II		3	25	55	ESS 0528
			CULG	0553.0	0800.0D	III	S,C	1	57X	160	
			SVTO	0559.0	0937.0	IV		1	25U	180U	
	0658	1200	IZMI	0712.0	1200.0	I	S,C	2	110	270X	
	0654	1500	POTS	0743 E	1433 U	I	C,N	1	120	350	
	0745	1349	ONDR								
	0800	1450	BLEN								
			POTS	0829.6	0830.7	III	G	1	50U	300	
			POTS	0831.1	0831.4	III	B	2	40X	360	
			IZMI	0832.2	0833.8	III	GG	2	45	270X	
			IZMI	0931.1	0931.2	III	B,RS	2	180	215	
			IZMI	0934.2	0934.5	III	G,C	2	40	270X	
			IZMI	0936.6	0938.3	III	GG	2	45	270X	
			IZMI	1037.4	1037.4	III	B	1	95	160	
			IZMI	1056.7	1056.8	III	G	1	55	75	
			POTS	1405.0	1405.6	III	G	1	50U	360	
			PALE	1837.0	2400.0	CONT		1	25	180	
	2000	2400	CULG	2031.0	2031.0	III	B	1	57X	90	
	2116	2400	HIRA								
			LEAR	2150.0	2400.0	III	N	1	25	47	
			LEAR	2228.0	2228.0	III	N	1	25	47	
18	0000	0728	HIRA								
	0000	0800	CULG								
	0800	1450	BLEN								
	0654	1455	POTS	0803	0833	I	C	1	210	300	
			POTS	0852	1420 U	I	C,N	1	110	380	
	0747	1347	ONDR	0916.4	0923.1	DCIM	GG	2	2000X	4500X	
			ONDR	0917.2	0919.3	DCIM	GG	2	1302	2000X	
			POTS	0946.1	0946.3	DCIM		2	400U	700	
	0700	1200	IZMI	1124.0	1126.4	I	N	1	240	270X	
			POTS	1233.4	1233.7	III	G	1	50U	380	
			HOLL	1559.0	2100.0	CONT		1	63	118	
	2000	2400	CULG								
	2117	2400	HIRA								
			LEAR	2150.0	2222.0	III	N	1	25	43	
			LEAR	2222.0	2222.0	III	N	1	25	43	
19			LEAR	0201.0	0204.0	III		1	25	114	
	0000	0728	HIRA	0202.0	0202.5	III	B	1	N/A	140	
	0000	0800	CULG	0202.0	0204.0	III	G	1	57X	140	
	0749	1345	ONDR								
	0654	1455	POTS	0754 E	0920	I	C	1	200U	370	
	0656	1200	IZMI	0759.0	0850.0U	I	N	2	200	270X	
	0800	1450	BLEN	0800.0X	1315.0	I	DC	1	200	420	
			POTS	1140	1430 U	I	C	1	120	300	
	2000	2400	CULG	2034.0	2036.0	III	G	1	57X	180	
			LEAR	2150.0	1027.0	III	N	1	25	43	
	2118	2400	HIRA	2325.5	2326.0	III	B	1	120	280	
			CULG	2326.0	2326.0	III	B	1	130	180	
20	0000	0727	HIRA								
	0000	0800	CULG	0336.0	0537.0	I	S	1	110	180	
			CULG	0358.0	0439.0	III	N	1	57X	150	
	0705	1200	IZMI	0706.0U	1200.0D	I	S	2	100U	270X	
			CULG	0711.0	0800.0D	I	S	1	110	180	
	0751	1344	ONDR								
	0654	1455	POTS	0752 E	0915	I	C	1	120	370	
			LEAR	0753.0	0753.0	III		1	37	97	

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20			SVTO	0753.0	0753.0	III		1	66U	83U	
			IZMI	0753.3	0754.1	III	G	1	50	55	
			CULG	0754.0	0754.0	III	B	1	57X	80	
			SVTO	0758.0	0906.0	CONT		1	75U	180U	
			LEAR	0800.0	1027.0	CONT		1	25	180	
	0800	1450	BLEN	0800.0X	1415.0	I	DC	1	150	300	
			SVTO	0816.0	0816.0	III		1	55U	140U	
			IZMI	1003.7	1004.4	III	G	1	105	160	
			POTS	1030	1415 U	I	C	1	200U	350	
	2000	2400	CULG								
	2119	2400	HIRA								
21	0000	0727	HIRA								
	0000	0800	CULG								
	0655	1200	IZMI	0725.0U	1200.0U	I	N	1	180	270X	
	0655	1455	POTS	0752 E	1011	I	C	1	200	320	
	0753	1342	ONDR								
	0800	1450	BLEN	0800.0X	1450.0X	I	DC	1	150	300	
			POTS	1033	1154	I	C,N	1	200	300	
			POTS	1155	1304	I	C	2	120	350	
			POTS	1210.8	1212.5	III	G	1	40X	170U	
			SVTO	1214.0	1216.0	III		1	52	180	
			SVTO	1256.0	1324.0	CONT		1	25	180	
			POTS	1304	1455 U	I	C,N,DC	2	40X	380	
			HOLL	1355.0	1808.0	IV		1	64	180	
	2000	2400	CULG	2000.0E	2400.0D	III	S	1	57X	120	
	2120	2400	HIRA								
			LEAR	2149.0	1029.0	III	N	1	25	180	
22	0000	0727	HIRA								
	0000	0800	CULG	0000.0E	0800.0D	III	S	1	57X	90	
	0650	1200	IZMI	0650.0	1028.0U	III	N	1	40	95	
			IZMI	0730.4	0736.0	III	GG,FS	1	35	95	
	0700	1455	POTS	0754 E	0834	I	C	1	110U	300	
	0810	1450	BLEN	0800.0X	0814.1	DCIM	P	2	1240	2650	
			IZMI	0829.3	0829.6	III	G	2	40	95	
			POTS	0835.9	0836.1	UNCLF		1	40X	70	
			POTS	0857	1030	I	C	1	200	350	
			ONDR	0949.3	0950.5	DCIM	G	2	2000X	2508	
	0755	1341	ONDR	0949.3	0950.5	DCIM	GG	2	1039	2000X	
			POTS	1029.1	1029.4	DCIM		1	210	380	
			POTS	1030	1130	I	C,N	1	120U	350	
			POTS	1318.8	1318.9	DCIM		1	230U	320	
			POTS	1332.9	1333.3	DCIM		1	230U	400	
			BLEN	1337.0	1337.2	III	S	2	372	730	
			POTS	1406	1412 U	I	C	1	220	300	
			HOLL	2021.0	2025.0	III		1	25	180	
			HOLL	2021.0	2056.0	III	N	1	25	180	
			PALE	2022.0	2047.0	II		3	25	180	ESS 0890
	2000	2400	CULG	2022.0	2057.0	III	N	1	57X	180	
			CULG	2023.0	2026.0	III	G	3	57X	200	
			HOLL	2025.0	2043.0	II		2	25	180	ESS 0974
			CULG	2027.0	2032.0	II	FN	3	57X	80	
			CULG	2027.0	2033.0	II	SH	3	57X	170	ESS 900
			CULG	2038.0	2044.0	UNCLF		3	57X	100	
			CULG	2157.0	2158.0	III	G	1	240	310	
			CULG	2159.0	2248.0	IV	FS	2	600	1600	
			LEAR	2201.0	2202.0	III		1	139	180	
	2121	2400	HIRA	2201.5	2202.0	III	B	2	140	700	
			CULG	2202.0	2202.0	III	G	1	150	670	
			LEAR	2225.0	2231.0	III		1	25	180	
			CULG	2226.0	2242.0	III	GG	1	57X	180	
			LEAR	2231.0	2241.0	II		1	25	116	ESS 0459
			CULG	2233.0	2241.0	CONT		1	100	200	
			HOLL	2235.0	2320.0	CONT		1	74	180	
			HOLL	2235.0	2336.0	IV		1	75	180	
			LEAR	2235.0	0400.0	IV		1	25	180	
			PALE	2235.0	0012.0	IV		2	25	180	
			HIRA	2241.5	2242.0	III	B	1	80	200	

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22			CULG	2245.0	2400.0D	IV	FS	2	57X	1300	
			HIRA	2245.0	2340.0	IV		2	N/A	700	
			CULG	2253.0	2346.0	III	N	2	57X	1300	
23	0000	0800	CULG	0000.0E	0010.0	IV	FS	1	57X	300	
			CULG	0010.0	0202.0	I	S	1	60	170	
			CULG	0117.0	0119.0	III	G	1	57X	180	
			CULG	0138.0	0138.0	III	B	1	57X	100	
			CULG	0218.0	0230.0	III	G	1	57X	160	
			CULG	0245.0	0800.0D	III	N	1	57X	120	
			LEAR	0356.0	0358.0	III		2	25	141	
	0000	0726	HIRA	0356.5	0357.0	III	B	2	N/A	130	
			CULG	0357.0	0357.0	III	B	2	57X	140	
			LEAR	0359.0	1029.0	III	N	1	25	95	
			CULG	0526.0	0530.0	III	G	2	57X	180	
			LEAR	0526.0	0529.0	III		1	25	180	
			HIRA	0529.0	0530.0	III	B	2	N/A	210	
			SVTO	0606.0	0941.0	III	N	1	25	83	
	0700	1200	IZMI	0700.0E	1125.0U	III	N	2	40	100	
			IZMI	0725.3	0729.6	III	GG	2	35	100	
	0700	1450	POTS	0733.8E	0750.1	III	GG	1	40X	80U	
			IZMI	0739.0	0739.4	III	G	2	45	150	
			IZMI	0740.1	0749.4	III	GG	2	40	120	
			POTS	0755.4	0808.0	III	GG	1	40X	80U	
			POTS	0812.0	0816.2	III	G	1	40X	80U	
			POTS	0824.6	0829.1	III/V	GG	2	40X	250	
			IZMI	0827.1	0829.1	III	G	2	30	95	
			LEAR	0829.0	0834.0	V		2	25	180	
			SVTO	0829.0	0834.0	V		3	25	180	
	0757	1339	ONDR	0829.1	0833.3	DCIM	GG,SP	2	800X	2000X	
			IZMI	0829.3	0831.5	III	GG,C	3	25X	270X	
			ONDR	0829.3	0832.5	DCIM	GG,SP	2	2000X	4500X	
			POTS	0829.7	0831.6	UNCLF		2	40X	160	
	0810	1445	BLEN	0829.8	0832.9	III	GG	3	110X	650	
			BLEN	0830.0	0834.5	DCIM	P	3	400	4000X	
			IZMI	0831.6	0836.3	III	GG,FS	2	30	270X	
			POTS	0831.6	0842.0U	UNCLF		1	40X	70U	
			IZMI	0839.8	0841.0	III	G,FS	2	35	130	
			POTS	0855.9	0920.0	UNCLF		1	40X	80U	
			POTS	0927 E	1413 U	I	C,N	1	120	380	
			POTS	0929.0	1051 U	UNCLF		1	40X	80	
			POTS	0929.4	0929.6	DCIM		1	350	700	
			IZMI	0933.0	0934.1	III	G,C	2	40	95	
			POTS	0938.4	0939.6	DCIM		1	320	600	
			IZMI	0941.3	0943.8	III	G	2	40	90	
			IZMI	1010.0U	1150.0U	I	S	1	220	270X	
			POTS	1040.9	1041.0	DCIM		1	330	650	
			IZMI	1044.5	1045.3	III	G	2	35	75	
			IZMI	1049.0	1049.5	III	G	2	40	75	
			SVTO	1058.0	1110.0	III	N	2	25	86	
			POTS	1103.6	1107.4	III/V	G	1	40X	150	
			POTS	1105.7	1107.3	DCIM		1	320	800X	
			IZMI	1107.3	1109.8	III	GG	2	40	125	
			POTS	1108.3	1110 U	UNCLF		1	40X	70	
			POTS	1108.6	1108.8	DCIM		1	320	630	
			BLEN	1109.3	1113.8	DCIM	P	3	300	900	
			POTS	1111.6	1213 U	UNCLF	N,C	1	40X	80U	
			POTS	1318.0	1318.2	III	B	1	120	370	
			POTS	1337.6	1337.8	UNCLF		1	40X	70U	
			HOLL	1711.0	1724.0	III	N	1	25	138	
			PALE	1938.0	0041.0	III	N	1	25	180	
			HOLL	1949.0	1951.0	III		1	25	86	
			LEAR	2304.0	2304.0	III		3	25	180	
	2122	2400	HIRA	2304.0	2304.5	III	B	2	N/A	500	
	2300	2400	CULG	2304.0	2304.0	III	B	3	57X	180	
24	0000	0800	CULG	0127.0	0128.0	III	G	1	57X	75	
			CULG	0548.0	0553.0	III	G	1	150	500	
	0000	0726	HIRA	0549.5	0554.0	III	G	1	N/A	620	

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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
24			LEAR	0550.0	0552.0	III		2	25	163	
			CULG	0552.0	0552.0	III	B	2	57X	150	
			CULG	0618.0	0618.0	III	B	1	57X	140	
			LEAR	0618.0	0618.0	III		1	25	105	
			LEAR	0618.0	0618.0	III	N	1	25	180	
			LEAR	0618.0	0633.0	III	N	1	25	180	
			CULG	0633.0	0634.0	III	G	1	57X	150	
			HIRA	0633.0	0633.5	III	B	1	N/A	150	
			SVTO	0633.0	0633.0	III		1	28	123	
			LEAR	0703.0	0714.0	III	N	1	25	85	
	0712	1200	IZMI	0712.0E	1041.0U	I	N	1	220	270X	
			CULG	0713.0	0713.0	III	B	1	57X	80	
			IZMI	0713.1	0713.5	III	G	2	50	100	
	0700	1450	POTS	0757 E	1408 U	I	C,N	1	120	350	
	0759	1338	ONDR								
	0810	1445	BLEN								
			POTS	0854.6	0855.3	DCIM		1	300	550U	
			POTS	1024.9	1025.2	DCIM		1	300	400U	
			POTS	1222.8	1223.3	III	G	1	120	300	
			POTS	1225.8	1226.0	III	B	1	120	300	
			HOLL	1752.0	1753.0	III		1	25	106	
	2000	2400	CULG	2056.0	2056.0	III	B	1	57X	180	
	2123	2400	HIRA								
			CULG	2131.0	2131.0	III	B	1	57X	180	
25			LEAR	0112.0	0114.0	III		3	25	180	
			PALE	0112.0	0113.0	III		1	25	180	
	0000	0725	HIRA	0112.0	0114.0	III	G	3	N/A	800	
	0000	0800	CULG	0113.0	0114.0	III	G	3	57X	650	
	0700	1200	IZMI	0706.3	0706.7	III	G	1	230	270X	
			SVTO	0716.0	0733.0	III	N	2	25	81	
	0801	1336	ONDR								
	0810	1445	BLEN								
	0700	1450	POTS	0826 U	1414 U	I	C,N	1	120	300	
	2000	2400	CULG	2034.0	2034.0	III	B	1	57X	150	
			LEAR	2148.0	0300.0	CONT		1	110	180	
			CULG	2157.0	2313.0	I	S	1	110	150	
	2124	2400	HIRA	2253.5	2304.5	III	G	1	70	280	
			LEAR	2255.0	2301.0	III		1	36	180	
			CULG	2256.0	2307.0	III	GG	1	57X	180	
			LEAR	2258.0	2304.0	II		1	39	49	ESS 0251
26	0000	0800	CULG								
	0000	0725	HIRA	0104.0	0106.0	III	G	1	330	620	
	0655	1200	IZMI	0702.0U	1155.0U	I	N	1	160	270	
	0803	1351	ONDR								
	0810	1445	BLEN								
	0705	1445	POTS	0825 U	1408 U	I	C,N	1	120	350	
	2000	2400	CULG	2032.0	2034.0	III	G	1	57X	120	
			CULG	2126.0	2126.0	III	B	1	270	400	
			LEAR	2148.0	2400.0	III	N	1	25	46	
			CULG	2320.0	2323.0	III	G	1	57X	150	
			HOLL	2320.0	2326.0	III		1	25	145	
			LEAR	2320.0	2323.0	III		1	25	137	
			PALE	2320.0	2322.0	III		1	25	54	
	2125	2400	HIRA	2320.5	2322.5	III	G	1	N/A	130	
			HIRA	2340.5	2341.0	III	B	1	150	310	
27	0000	0800	CULG	0103.0	0103.0	III	B	1	57X	180	
	0000	0725	HIRA	0103.5	0104.0	III	B	1	100	190	
			LEAR	0532.0	0534.0	III		1	25	125	
			HIRA	0532.5	0534.0	III	G	1	N/A	140	
			CULG	0533.0	0534.0	III	G	1	57X	160	
	0705	1445	POTS	0847	1407 U	I	C	1	200U	300	
	0805	1334	ONDR	1023.2	1028.2	DCIM	G	1	2098	4500X	
			POTS	1030.6	1032.2	III	G	1	120	170	
			POTS	1033.2	1034.0	UNCLF		1	40X	70U	
	0700	1200	IZMI	1037.3	1037.6	III	G	2	40	70	
			POTS	1402.6	1403.2	III	G	1	40X	300	

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27			SVTO	1406.0	1407.0	III		2	25U	180U	
	0825	1445	BLEN	1433.8	1436.5	III	G,S	2	200	3300	
			PALE	2121.0	2121.0	III		1	25	62	
	2000	2400	CULG	2121.0	2121.0	III	B	1	57X	140	
			CULG	2124.0	2125.0	III	G	1	57X	180	
			CULG	2134.0	2136.0	III	G	1	100	180	
			CULG	2203.0	2235.0	III	N	1	57X	160	
			LEAR	2206.0	2206.0	III		1	32	147	
	2126	2400	HIRA	2206.0	2206.5	III	B	1	30	130	
			CULG	2340.0	2340.0	III	G	1	57X	75	
			CULG	2359.0	2400.0D	III	G	1	57X	90	
28	0000	0014	HIRA								
	0000	0800	CULG	0000.0E	0002.0	III	G	1	57X	90	
			CULG	0007.0	0007.0	III	B	1	57X	90	
			CULG	0027.0	0027.0	III	B	1	57X	90	
			LEAR	0157.0	0203.0	III		2	25	138	
			CULG	0158.0	0158.0	III	G	1	57X	90	
	0137	0522	HIRA	0158.0	0158.5	III	G	1	25X	120	
			CULG	0202.0	0204.0	III	G	2	57X	140	
			HIRA	0202.5	0204.0	III	G	3	30	130	
			CULG	0246.0	0248.0	III	G	1	57X	90	
			LEAR	0246.0	0247.0	III		1	25	111	
			HIRA	0246.5	0247.5	III	G	1	25X	110	
			CULG	0308.0	0309.0	III	G	1	57X	90	
			LEAR	0308.0	0308.0	III		1	29	111	
			HIRA	0308.5	0309.0	III	B	1	40	200	
			PALE	0329.0	0331.0	III	N	2	25	180	
			CULG	0348.0	0352.0	III	G	1	57X	150	
			LEAR	0348.0	0352.0	III		1	25	124	
			HIRA	0349.0	0349.5	III	B	1	25X	130	
			CULG	0419.0	0430.0	III	G	1	57X	150	
			HIRA	0419.0	0419.5	III	B	1	25X	100	
			LEAR	0419.0	0429.0	III		2	25	180	
			HIRA	0424.0	0429.0	III	G	3	25X	550	
			CULG	0429.0	0429.0	III	B	3	57X	350	
			CULG	0454.0	0455.0	III	G	1	70	180	
			HIRA	0454.5	0455.0	III	B	1	100	160	
			CULG	0626.0	0629.0	III	G	2	57X	180	
			LEAR	0626.0	0629.0	III		1	25	175	
			SVTO	0626.0	0629.0	III		1	25	164	
	0656	1200	IZMI	0644.5	0644.7	III	B	1	45	95U	
			CULG	0645.0	0645.0	III	B	1	57X	80	
			CULG	0659.0	0659.0	III	B	1	57X	80	
	0700	0724	HIRA								
			IZMI	0756.0	0756.2	III	B	1	50	70	
	0807	1332	ONDR								
	0705	1445	POTS	0816 E	1407 U	I	C,N	1	120	350	
			POTS	0816.7	0817.0	III	G	2	40X	150	
			IZMI	0821.0	0821.4	III	G	2	40	155	
			LEAR	0821.0	0821.0	III		1	29	102	
			SVTO	0821.0	0821.0	III		1	62U	84U	
			IZMI	0823.2	0823.9	III	G	1	90	145	
			POTS	0826.5	0829.1	UNCLF		2	40X	70U	
			IZMI	0830.1	0833.5	III	GG	1	40	90	
			POTS	0926.0	0926.5	UNCLF		1	40X	60U	
			IZMI	0930.2	0931.6	III	GG	1	40	90	
			POTS	1000.6	1003.3	III	G	2	40X	150	
			IZMI	1005.0	1007.7	III	GG	2	35	140	
			LEAR	1005.0	1011.0	III		1	38	146	
			SVTO	1005.0	1011.0	III	N	1	33	132	
			POTS	1007.2	1007.6	III	G	2	40X	170U	
			IZMI	1011.4	1012.0	III	G	2	50	180	
			POTS	1014.0	1014.4	III	G,W	1	40X	150	
			POTS	1016.5	1017.0	UNCLF		1	40X	60U	
			IZMI	1018.3	1018.6	III	G	1	50	90	
			POTS	1115.7	1116.1	UNCLF		1	40X	70U	
			IZMI	1120.2	1120.3	III	B	1	50	75	
			POTS	1125.1	1125.3	UNCLF		1	40X	80U	

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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			POTS	1128.9	1129.1	UNCLF		1	40X	80U	
			IZMI	1129.5	1129.7	III	B	1	45	90	
			POTS	1132.0	1132.3	III	W	1	40X	150	
			IZMI	1133.5	1133.6	III	B	1	50	85	
			POTS	1138.2	1139.6	III	G	2	40X	170U	
			POTS	1141.4	1145.1	III	G	2	40X	350	
			SVTO	1142.0	1309.0	III	N	1	25	180	
			IZMI	1142.6	1143.1	III	GG	2	35	160	
			IZMI	1148.1	1149.4	III	GG	1	30	270	
			IZMI	1152.6	1152.7	III	G	1	45	75	
			POTS	1215.7	1216.6	III	G	2	40X	170U	
			POTS	1220.5	1226.1	III	GG	2	40X	300	
			POTS	1235.4	1236.2	DCIM		1	200U	600	
			POTS	1236.1	1236.3	III	B	1	120	300	
			POTS	1241.7	1242.6	III	G	1	120	350	
			POTS	1259.1	1259.4	III	G	1	110U	400	
			POTS	1314.6	1315.8	DCIM		1	300	500	
	0825	1445	BLEN	1319.0	1320.2	III	GG,RS	2	280	570	
			POTS	1344.6	1345.0	III	B	1	40X	150	
			POTS	1355.6	1356.0	DCIM		1	250	320	
			POTS	1401.1	1401.3	III	B	1	40X	140U	
			POTS	1405.1	1405.3	III	B,W	1	40X	140U	
			BLEN	1449.8	1456.3	III	GG,RS	2	200	4000X	
			HOLL	1547.0	1554.0	II		1	34	146	ESS 0889
			HOLL	1559.0	1600.0	III		2	25	178	
			SGMR	1559.0	1600.0	III		2	30	80	
			HOLL	1627.0	1635.0	III	N	2	25	180	
			SGMR	1630.0	1648.0	III	N	3	30	80	
			HOLL	1636.0	1646.0	II		2	28	180	ESS 0674
			HOLL	1636.0	1659.0	IV		1	53	180	
			HOLL	1722.0	1722.0	III		1	25	118	
			PALE	1722.0	1722.0	III		1	25	54	
			PALE	1839.0	1839.0	III		1	25	49	
			HOLL	1858.0	2317.0	III	N	1	25	148	
			PALE	1858.0	2142.0	III	N	1	25	135	
			SGMR	1911.0	1912.0	III		2	30	50	
	1930	2400	CULG	1937.0	2234.0	III	N	1	57X	180	
			LEAR	2202.0	1034.0	III	N	1	25	180	
	2127	2400	HIRA	2202.0	2205.0	III	G	1	30	200	
			HIRA	2214.5	2217.5	III	G	1	30	70	
			HIRA	2231.0	2231.5	III	B	1	30	70	
			CULG	2300.0	2301.0	III	G	2	57X	200	
			HIRA	2300.0	2301.0	III	B	2	30	130	
			CULG	2308.0	2314.0	III	G	1	57X	140	
			HIRA	2311.0	2312.0	III	B	1	30	140	
			LEAR	2359.0	0052.0	III	N	1	35	94	
29	0000	0724	HIRA	0004.5	0014.0	III	G	1	30	270	
	0000	0810	CULG	0005.0	0014.0	III	GG	2	57X	180	
			CULG	0023.0	0647.0	III	N	1	57X	180	
			HIRA	0039.5	0040.0	III	B	1	30	150	
			CULG	0111.0	0111.0	III	B	1	240	350	
			HIRA	0120.5	0121.0	III	B	1	90	520	
			HIRA	0144.5	0145.0	III	B	3	60	600	
			CULG	0145.0	0145.0	III	B	3	57X	680	
			CULG	0146.0	0149.0	III	G	1	370	700	
			CULG	0148.0	0156.0	II	FN	2	57X	150	
			CULG	0148.0	0156.0	II	SH	1	110	280	FLA ESS 600
			HIRA	0148.0	0154.0	II		2	50	130	
			HIRA	0148.0	0156.0	II		2	100	280	
			PALE	0150.0	0154.0	II		1	52	180	ESS 0774
			CULG	0333.0	0335.0	III	G	2	57X	180	
			HIRA	0333.5	0335.0	III	G	2	25X	190	
			CULG	0441.0	0444.0	III	G	2	57X	180	
			HIRA	0441.5	0444.0	III	G	2	25X	200	
			CULG	0515.0	0517.0	III	G	3	57X	450	
			HIRA	0515.0	0517.5	III	G	3	30	520	
			LEAR	0515.0	0517.0	III		2	25	180	
			LEAR	0520.0	0522.0	V		2	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
29			CULG	0521.0	0522.0	III	G	3	57X	700	
			HIRA	0521.0	0522.5	III	G	3	30	800	
			CULG	0522.0	0523.0	V		1	57X	120	
			CULG	0610.0	0610.0	III	B	2	57X	160	
			HIRA	0610.5	0611.0	III	B	2	40	130	
	0708	1200	IZMI	0716.0U	1200.0E	I	N	1	80	250	
	0710	1445	POTS	0724.0	0724.3	III	B	1	40X	80U	
			CULG	0728.0	0729.0	III	B	1	57X	100	
			SVTO	0728.0	0729.0	III		1	34U	81U	
			IZMI	0728.2	0729.5	III	G	2	30	210	
			POTS	0750.0	0754.4	III	G	1	40X	150U	
			IZMI	0751.3	0752.3	III	G	1	40	180	
			IZMI	0754.3	0758.8	III	GG	2	30	270X	
			SVTO	0755.0	0758.0	III		2	30U	149U	
			POTS	0759.9	0800.1	III	B	1	40X	150U	
			IZMI	0803.4	0803.6	UNCLF		2	45	155	
			POTS	0806 U	1411 U	I	C,N	1	120	350	
			POTS	0807.7	0811.0	III	G	2	40X	220	
			IZMI	0811.0	0816.2	III	GG	2	40	90	
			SVTO	0815.0	0815.0	III		2	31U	148U	
			IZMI	0815.1	0815.6	III	G	2	25	260	
			IZMI	0830.5	0830.7	III	G	1	40	75	
			POTS	0919.3	0920.7	III	G	1	40X	170U	
			IZMI	0922.0	0925.9	III	GG	2	25X	95	
			IZMI	0923.0	0926.3	I	GG,DC	2	160	200	
			SVTO	0924.0	0925.0	III		1	38U	66U	
			POTS	0924.4	0925.1	DCIM		1	260	400	
			POTS	0928.0	0928.5	III	G	1	40X	210	
			SVTO	0932.0	0932.0	III		1	51	82	
			IZMI	0932.5	0933.1	III	G	2	40	150	
			POTS	0946.5	0947.6	III	G	1	40X	170U	
			IZMI	0950.9	0952.6	III	GG	2	40	160	
			SVTO	0951.0	1326.0	III	N	1	25	180	
			POTS	0954.4	0954.7	III	B	1	40X	450	
			POTS	0958.0	0958.2	III	B	1	40X	300	
			IZMI	0958.9	0959.1	III	G,C	2	35	90	
			IZMI	1002.4	1002.5	III	B	2	35	75	
	0809	1341	ONDR	1015.1	1113.4	DCIM	GG	2	2000X	4500X	
			POTS	1016.0	1018.1	III	G	1	40X	300	
			IZMI	1020.4	1022.4	III	GG,FS	2	35	270	
			ONDR	1020.4	1030.4	DCIM	W	1	1091	2000X	
	0825	1445	BLEN	1020.6	1024.9	DCIM	C	2	1600	4000X	
			POTS	1021.5	1021.7	III	B	1	40X	300	
			IZMI	1026.0	1026.1	III	G,FS	1	30	95	
			POTS	1045.5	1046.4	III	G	2	40X	250	
			IZMI	1050.0	1052.0	III	G	2	45	270X	
			ONDR	1057.4	1107.4	DCIM	G	1	800X	2000X	
			POTS	1100.7	1105.5	III/V	G	2	40X	700	
			POTS	1101.8	1101.9	DCIM		1	350	600	
			BLEN	1104.6	1404.1	III	GG,N	3	130	500	
			IZMI	1104.8	1104.9	UNCLF		2	90	270X	
			IZMI	1106.6	1110.1	III	GG,C	2	30	210	
			POTS	1137.4	1137.7	DCIM		2	200	800X	
			POTS	1140.4	1141.8	DCIM		1	250	700	
			ONDR	1141.5	1202.0	DCIM	GG	2	800X	2000X	
			IZMI	1141.9	1141.9	III	B	2	220	270X	
			POTS	1145.3	1146.7	DCIM		1	250	800X	
			ONDR	1149.5	1151.1	DCIM	G	1	2000X	4500X	
			IZMI	1150.1	1150.2	III	B	1	240	270X	
			POTS	1155.6	1156.1	DCIM		1	250	500	
			POTS	1156.5	1156.8	III	B	2	40X	600	
			POTS	1156.7	1157.6	DCIM		2	150	800X	
			POTS	1159.3	1159.4	DCIM		1	500	650	
			POTS	1205.5	1206.4	III	G	2	40X	300	
			POTS	1222.4	1225.8	III/V	G	2	40X	350	
			POTS	1226.0	1226.3	DCIM		1	300U	400	
			ONDR	1237.0	1249.0	DCIM	G	1	2000X	4500X	
			POTS	1239.7	1239.9	DCIM		1	400U	700	
			ONDR	1240.2	1248.1	DCIM	G	2	800X	2000X	

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

NOVEMBER 2001

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			POTS	1241.4	1241.7	DCIM		2	400U	750	
			POTS	1242.2	1242.6	III	G,W	1	40X	150	
			POTS	1242.6	1243.6	DCIM		2	300U	750	
			POTS	1255.4	1256.1	III	G	2	120	600	
			POTS	1257.6	1257.8	III	B	1	40X	150	
			POTS	1320.5	1320.8	DCIM	RS	1	350	800X	
			POTS	1320.7	1321.0	III	G	2	110U	350	
			POTS	1323.4	1323.5	III	B	1	150	300	
			POTS	1344.8	1345.0	III	B	1	110U	300	
			POTS	1358.0	1401.0	III/V	GG	2	40X	450	
			POTS	1402.6	1412 U	II		2	40X	300	
			HOLL	1403.0	1404.0	III		1	25	180	
			SVTO	1403.0	1405.0	III		2	55	177	
			HOLL	1407.0	1414.0	II		1	75	180	ESS 0751
			SVTO	1407.0	1413.0	II		2	59	147	ESS 0924
			SVTO	1409.0	1414.0	II		1	113	180	ESS 0543
			POTS	1415.5	1415.7	III	B	1	40X	90U	
			SVTO	1420.0	1420.0	III		2	59	84	
			HOLL	1510.0	2131.0	III	N	1	25	164	
			SGMR	1513.0	1519.0	III		1	30	60	
			HOLL	1610.0	1611.0	III		2	25	180	
			SGMR	1610.0	1611.0	III		3	30	80	
			HOLL	1701.0	1704.0	V		2	25	180	
			SGMR	1703.0	1705.0	V		2	30	80	
			HOLL	1724.0	1726.0	III		2	25	180	
			PALE	1724.0	1726.0	V		2	25	180	
			SGMR	1724.0	1726.0	V		3	30	80	
			HOLL	1804.0	1807.0	III		2	25	180	
			PALE	1804.0	1807.0	V		3	25	180	
			SGMR	1804.0	1807.0	V		2	30	80	
			PALE	1901.0	1958.0	III	N	1	25	180	
	1930	2400	CULG	1946.0	1946.0	III	B	1	57X	150	
			CULG	1958.0	1958.0	III	G	1	57X	80	
			CULG	2040.0	2400.0D	I	S	1	110	160	
			CULG	2043.0	2052.0	III	G	1	57X	120	
			PALE	2048.0	2051.0	V		3	25	180	
			CULG	2049.0	2050.0	III	G	3	57X	550	
			HOLL	2049.0	2050.0	III		2	25	180	
			CULG	2120.0	2122.0	III	G	1	57X	80	
			CULG	2131.0	2131.0	III	B	1	57X	130	
	2128	2400	HIRA	2144.0	2144.5	III	B	1	30	250	
			LEAR	2231.0	1034.0	III	N	1	25	151	
30	0000	0810	CULG	0000.0E	0700.0	I	S	1	100	160	
			CULG	0028.0	0036.0	III	G	1	57X	90	
	0000	0724	HIRA	0104.0	0105.5	III	G	1	220	2000	
			CULG	0105.0	0105.0	III	G	1	240	1300	
			HIRA	0123.0	0123.5	III	B	1	130	500	
			CULG	0145.0	0145.0	III	B	1	57X	90	
			CULG	0209.0	0210.0	III	G	2	57X	160	
			HIRA	0210.0	0210.5	III	B	2	25X	200	
			CULG	0222.0	0222.0	III	B	1	100	320	
			HIRA	0222.0	0222.5	III	B	1	130	330	
			CULG	0300.0	0637.0	III	N	1	57X	150	
			HIRA	0320.0	0320.5	III	B	1	30	120	
			CULG	0539.0	0545.0	III	G	2	57X	250	
			HIRA	0539.0	0544.5	III	G	2	30	250	
			LEAR	0539.0	0544.0	III		1	25	180	
	0650	1200	IZMI	0650.0E	1200.0D	I	S	1	110	240	
			IZMI	0742.4	0742.7	III	G	1	200	270X	
			IZMI	0802.9	0805.9	III	G	1	230	270X	
	0710	1445	POTS	0811 E	1410 U	I	C	1	120	300	
	1122	1330	ONDR								
	0825	1445	BLEN	1405.7	1414.5	III	GG,RS	2	280	4000X	
	1930	2400	CULG	2053.0	2053.0	III	B	1	57X	180	
	2129	2400	HIRA	2142.5	2143.5	III	B	1	40	110	
			CULG	2304.0	2305.0	III	G	1	57X	180	

N/A: Hiraiso 50-500 MHz not available.