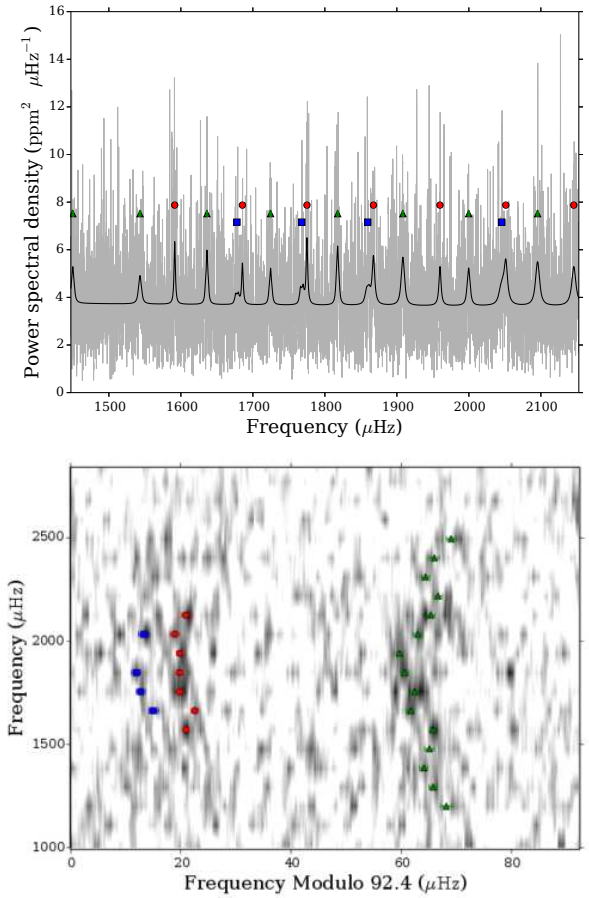

Figure A1. Power spectrum and echelle diagram for KIC 3425851. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

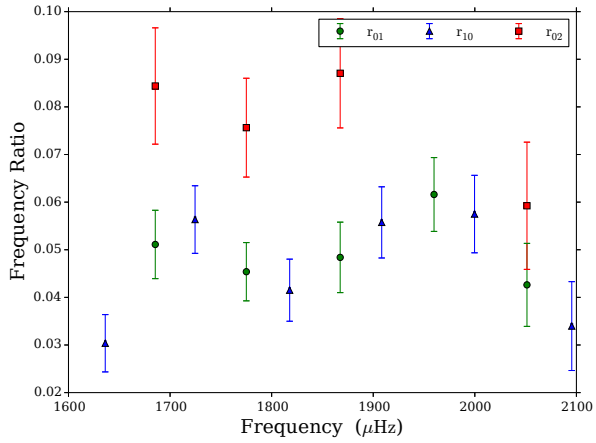

Figure A2. Ratios and 67% confidence intervals as a function of frequency for KIC 3425851.

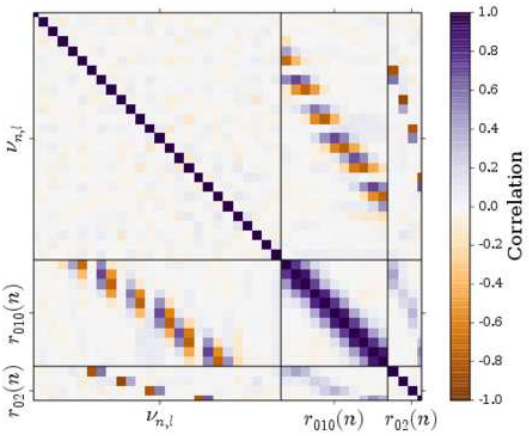

Figure A3. Correlation matrix of all frequencies and ratios for KIC 3425851. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

APPENDIX A: PLOTS AND TABLES OF RESULTS FOR ALL STARS

A0.1 3425851

Table A1. Mode frequencies and statistics for KIC 3425851.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	1	1269.15	1.01	0.87
13	1	1359.15	0.74	0.93
14	1	1449.84	0.78	1.34
15	1	1543.24	0.94	0.8
16	0	1591.46	0.44	> 6
16	1	1636.19	0.55	> 6
16	2	1677.91	0.86	-0.29
17	0	1685.43	0.63	1.11
17	1	1724.59	0.66	1.69
17	2	1768.02	0.87	-0.1
18	0	1775.08	0.44	2.21
18	1	1817.74	0.59	> 6
18	2	1859.56	0.87	0.25
19	0	1867.46	0.62	1.85
19	1	1908.34	0.7	1.6
20	0	1959.85	0.61	1.31
20	1	1999.73	0.66	> 6
20	2	2045.68	0.97	0.03
21	0	2051.33	0.79	1.83
21	1	2095.43	0.84	1.88
22	0	2145.72	0.8	1.53
22	1	2190.19	0.84	2.78
23	1	2283.89	0.85	1.14
24	1	2373.99	0.79	0.91
25	1	2467.99	0.92	1.3
26	1	2563.4	0.86	1.66

Table A2. Ratios for KIC 3425851.

Ratio type	n	Ratio	68% credible interval
r_{10}	16	0.03	0.006
r_{01}	17	0.051	0.007
r_{10}	17	0.056	0.007
r_{01}	18	0.045	0.006
r_{10}	18	0.042	0.007
r_{01}	19	0.048	0.007
r_{10}	19	0.056	0.007
r_{01}	20	0.062	0.008
r_{10}	20	0.057	0.008
r_{01}	21	0.043	0.009
r_{10}	21	0.034	0.009
r_{02}	17	0.084	0.012
r_{02}	18	0.076	0.01
r_{02}	19	0.087	0.011
r_{02}	21	0.059	0.013

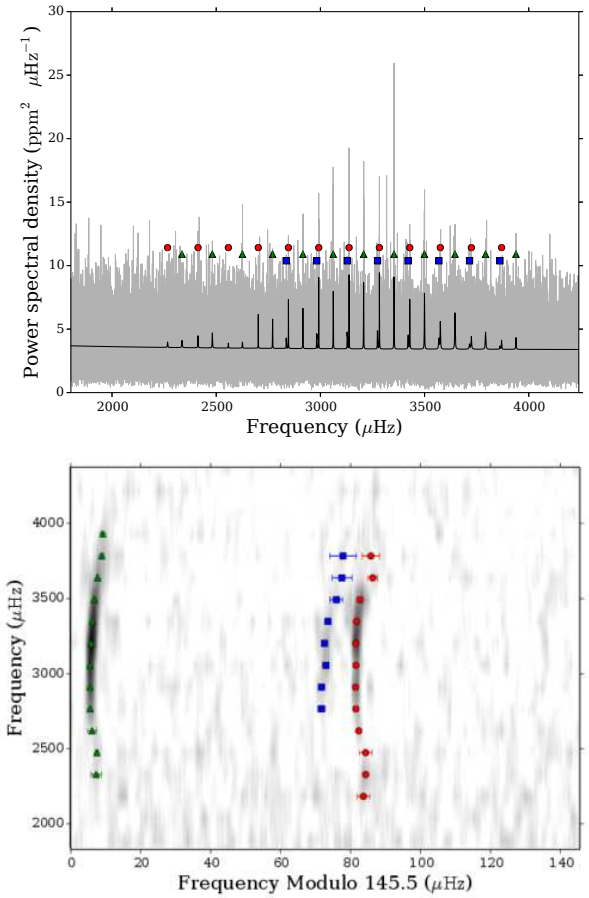

Figure A4. Power spectrum and echelle diagram for KIC 3544595. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.2 3544595

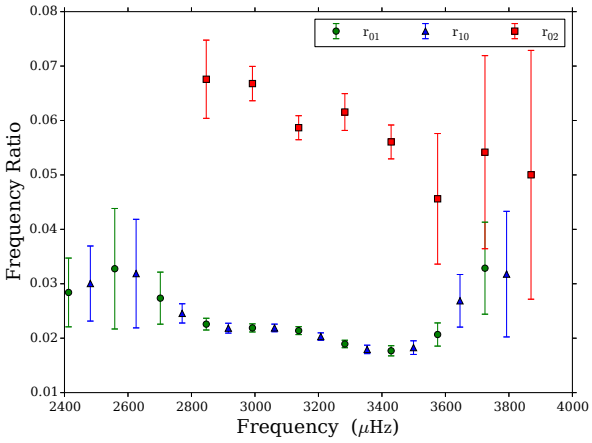

Figure A5. Ratios and 67% confidence intervals as a function of frequency for KIC 3544595.

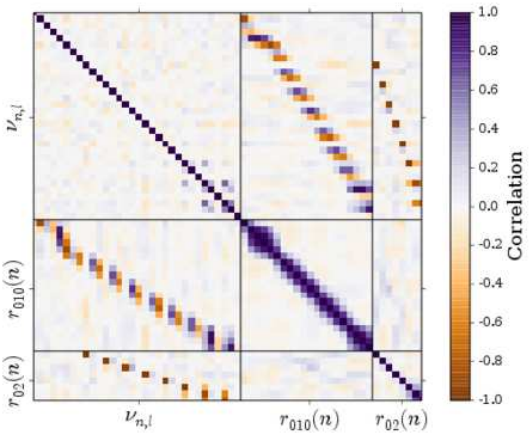

Figure A6. Correlation matrix of all frequencies and ratios for KIC 3544595. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A3. Mode frequencies and statistics for KIC 3544595.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
15	0	2266.65	1.78	0.99
15	1	2335.79	1.5	0.76
16	0	2412.81	0.53	2.13
16	1	2481.48	0.52	1.41
17	0	2558.34	1.79	0.6
17	1	2625.64	1.31	1.09
18	0	2701.9	0.19	> 6
18	1	2770.65	0.18	> 6
18	2	2836.77	1.05	0.35
19	0	2846.59	0.14	2.57
19	1	2916.15	0.12	> 6
19	2	2982.35	0.45	1.38
20	0	2992.05	0.11	3.59
20	1	3061.64	0.09	> 6
20	2	3129.13	0.29	> 6
21	0	3137.69	0.12	> 6
21	1	3207.46	0.09	> 6
21	2	3274.2	0.48	> 6
22	0	3283.18	0.09	> 6
22	1	3353.43	0.12	> 6
22	2	3420.75	0.45	1.7
23	0	3428.94	0.13	4.14
23	1	3499.47	0.15	> 6
23	2	3568.74	1.8	1.12
24	0	3575.44	0.24	4.2
24	1	3645.94	0.29	> 6
24	2	3715.8	2.78	-0.01
25	0	3724.58	1.38	1.89
25	1	3792.67	0.48	2.92
25	2	3861.66	3.85	-0.23
26	0	3869.64	2.52	1.41
26	1	3938.49	0.53	1.93

Table A4. Ratios for KIC 3544595.

Ratio type	n	Ratio	68% credible interval
r_{01}	16	0.028	0.006
r_{10}	16	0.03	0.007
r_{01}	17	0.033	0.011
r_{10}	17	0.032	0.01
r_{01}	18	0.027	0.005
r_{10}	18	0.025	0.002
r_{01}	19	0.023	0.001
r_{10}	19	0.022	0.001
r_{01}	20	0.022	0.001
r_{10}	20	0.022	0.001
r_{01}	21	0.021	0.001
r_{10}	21	0.02	0.001
r_{01}	22	0.019	0.001
r_{10}	22	0.018	0.001
r_{01}	23	0.018	0.001
r_{10}	23	0.018	0.001
r_{01}	24	0.021	0.002
r_{10}	24	0.027	0.005
r_{01}	25	0.033	0.008
r_{10}	25	0.032	0.012
r_{02}	19	0.068	0.007
r_{02}	20	0.067	0.003
r_{02}	21	0.059	0.002
r_{02}	22	0.062	0.003
r_{02}	23	0.056	0.003
r_{02}	24	0.046	0.012
r_{02}	25	0.054	0.018
r_{02}	26	0.05	0.023

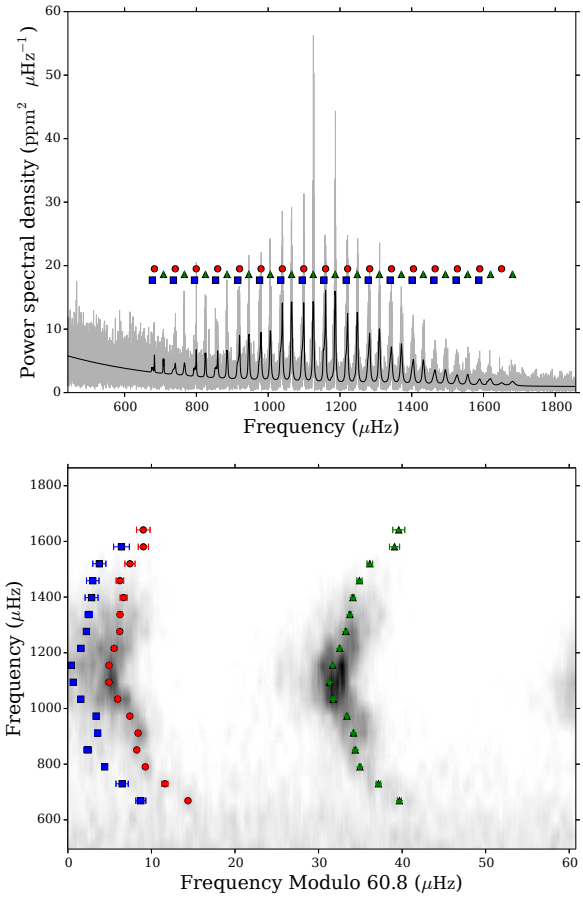

Figure A7. Power spectrum and echelle diagram for KIC 3632418. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.3 3632418

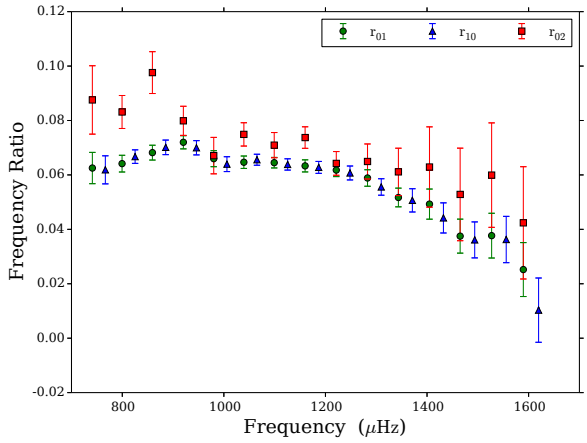

Figure A8. Ratios and 67% confidence intervals as a function of frequency for KIC 3632418.

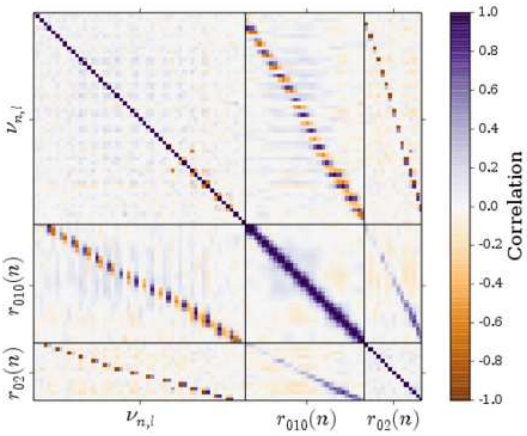

Figure A9. Correlation matrix of all frequencies and ratios for KIC 3632418. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A5. Mode frequencies and statistics for KIC 3632418.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
8	2	677.43	0.6	0.21
9	0	683.07	0.13	2.79
9	1	708.38	0.25	> 6
9	2	735.98	0.73	0.43
10	0	741.09	0.36	3.14
10	1	766.65	0.26	> 6
10	2	794.68	0.34	2.47
11	0	799.54	0.13	4.45
11	1	825.24	0.14	> 6
11	2	853.44	0.45	> 6
12	0	859.31	0.16	> 6
12	1	885.46	0.17	> 6
12	2	915.42	0.34	> 6
13	0	920.26	0.13	> 6
13	1	946.04	0.12	> 6
13	2	976.04	0.35	> 6
14	0	980.07	0.19	> 6
14	1	1006.05	0.13	> 6
14	2	1034.98	0.25	> 6
15	0	1039.4	0.13	> 6
15	1	1065.2	0.1	> 6
15	2	1094.87	0.27	> 6
16	0	1099.14	0.12	> 6
15	3	1612.69	0.77	-0.02
16	1	1125.55	0.1	> 6
16	2	1155.42	0.22	> 6
17	0	1159.94	0.14	> 6
16	3	1178.29	0.54	0.58
17	1	1186.73	0.1	> 6
17	2	1217.38	0.24	> 6
18	0	1221.34	0.16	> 6
17	3	1242.39	1.13	> 6
18	1	1248.35	0.11	> 6
18	2	1278.82	0.31	> 6
19	0	1282.81	0.21	> 6
18	3	1402.99	3.42	-0.04
19	1	1309.87	0.14	> 6
19	2	1339.89	0.42	> 6
20	0	1343.63	0.23	> 6
20	1	1371.15	0.16	> 6
20	2	1401.02	0.77	> 6
21	0	1404.86	0.41	> 6
21	1	1432.3	0.19	> 6
21	2	1461.95	0.75	> 6
22	0	1465.2	0.45	> 6
22	1	1493.87	0.3	> 6
22	2	1523.53	0.78	> 6
23	0	1527.2	0.61	> 6
23	1	1555.91	0.33	> 6
23	2	1586.97	0.94	> 6
24	0	1589.59	0.61	> 6
24	1	1619.65	0.61	4.29
25	0	1650.37	0.81	> 6
25	1	1680.95	0.72	3.14

Table A6. Ratios for KIC 3632418.

Ratio type	n	Ratio	68% credible interval
r_{01}	10	0.063	0.006
r_{10}	10	0.062	0.005
r_{01}	11	0.064	0.003
r_{10}	11	0.067	0.002
r_{01}	12	0.068	0.003
r_{10}	12	0.07	0.003
r_{01}	13	0.072	0.002
r_{10}	13	0.07	0.003
r_{01}	14	0.066	0.003
r_{10}	14	0.064	0.003
r_{01}	15	0.065	0.002
r_{10}	15	0.066	0.002
r_{01}	16	0.064	0.002
r_{10}	16	0.064	0.002
r_{01}	17	0.063	0.002
r_{10}	17	0.063	0.002
r_{01}	18	0.062	0.002
r_{10}	18	0.061	0.003
r_{01}	19	0.059	0.003
r_{10}	19	0.056	0.003
r_{01}	20	0.052	0.003
r_{10}	20	0.051	0.004
r_{01}	21	0.049	0.006
r_{10}	21	0.044	0.006
r_{01}	22	0.038	0.006
r_{10}	22	0.036	0.007
r_{01}	23	0.038	0.008
r_{10}	23	0.036	0.009
r_{01}	24	0.025	0.01
r_{10}	24	0.01	0.012
r_{02}	10	0.088	0.013
r_{02}	11	0.083	0.006
r_{02}	12	0.098	0.008
r_{02}	13	0.08	0.005
r_{02}	14	0.067	0.007
r_{02}	15	0.075	0.004
r_{02}	16	0.071	0.005
r_{02}	17	0.074	0.004
r_{02}	18	0.064	0.004
r_{02}	19	0.065	0.006
r_{02}	20	0.061	0.009
r_{02}	21	0.063	0.015
r_{02}	22	0.053	0.017
r_{02}	23	0.06	0.019
r_{02}	24	0.042	0.021

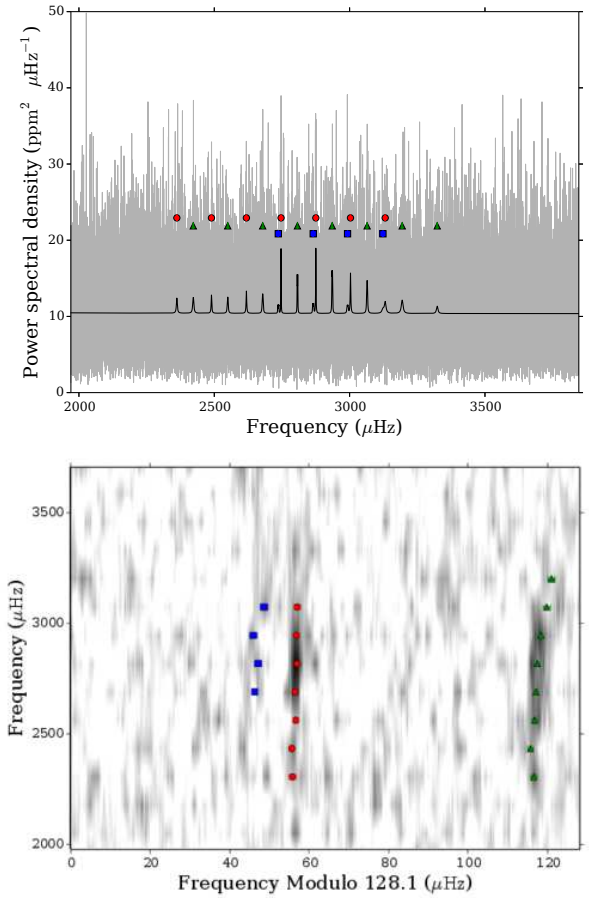

Figure A10. Power spectrum and echelle diagram for KIC 4141376. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.4 4141376

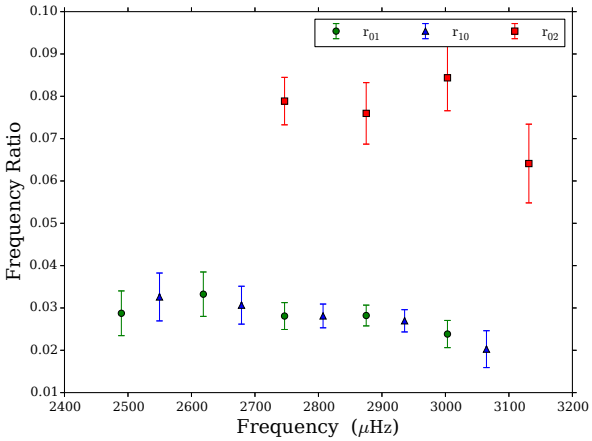

Figure A11. Ratios and 67% confidence intervals as a function of frequency for KIC 4141376.

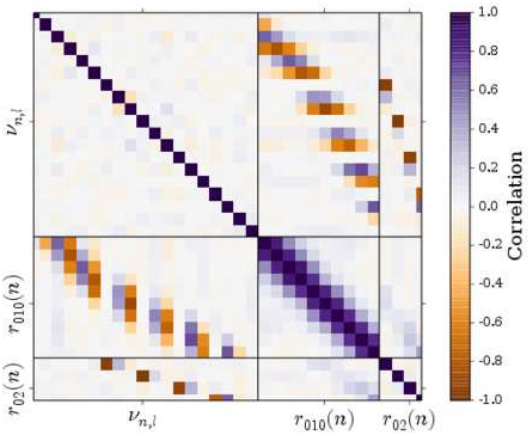

Figure A12. Correlation matrix of all frequencies and ratios for KIC 4141376. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A7. Mode frequencies and statistics for KIC 4141376.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
17	0	2361.69	0.82	0.8
17	1	2422.4	0.7	> 6
18	0	2489.59	0.53	1.54
18	1	2549.67	0.74	1.33
19	0	2618.68	0.57	0.81
19	1	2678.8	0.6	2.35
19	2	2736.49	0.69	-0.07
20	0	2746.62	0.2	2.67
20	1	2807.28	0.41	2.27
20	2	2865.46	0.92	0.17
21	0	2875.22	0.22	3.02
21	1	2935.7	0.28	2.52
21	2	2992.34	0.94	-0.42
22	0	3003.2	0.38	2.27
22	1	3064.66	0.44	> 6
22	2	3123.12	0.92	-0.32
23	0	3131.43	0.78	1.23
23	1	3194.28	0.96	1.67
24	1	3323.58	0.94	0.92

Table A8. Ratios for KIC 4141376.

Ratio type	n	Ratio	68% credible interval
r_{01}	18	0.029	0.005
r_{10}	18	0.033	0.006
r_{01}	19	0.033	0.005
r_{10}	19	0.031	0.004
r_{01}	20	0.028	0.003
r_{10}	20	0.028	0.003
r_{01}	21	0.028	0.002
r_{10}	21	0.027	0.003
r_{01}	22	0.024	0.003
r_{10}	22	0.02	0.004
r_{02}	20	0.079	0.006
r_{02}	21	0.076	0.007
r_{02}	22	0.084	0.008
r_{02}	23	0.064	0.009

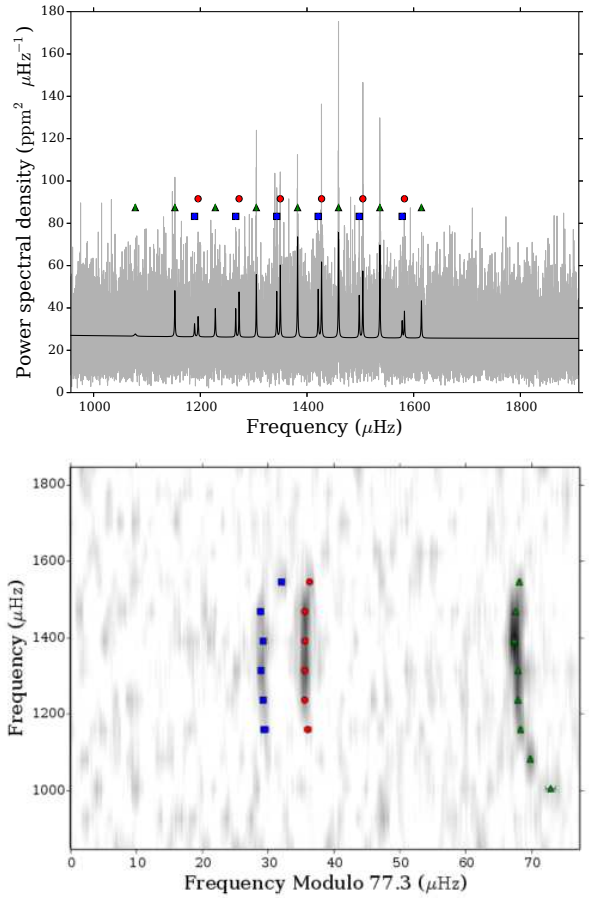

Figure A13. Power spectrum and echelle diagram for KIC 4143755. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.5 4143755

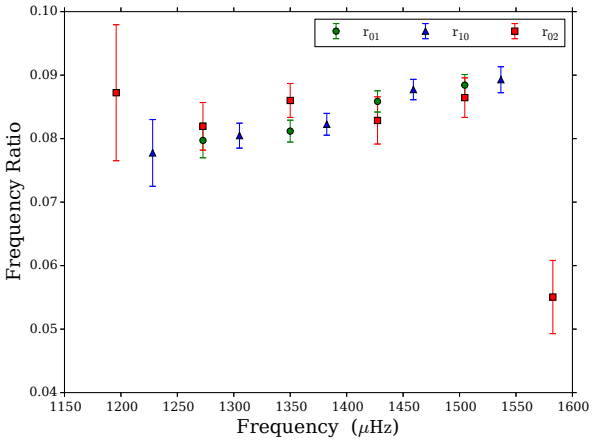

Figure A14. Ratios and 67% confidence intervals as a function of frequency for KIC 4143755.

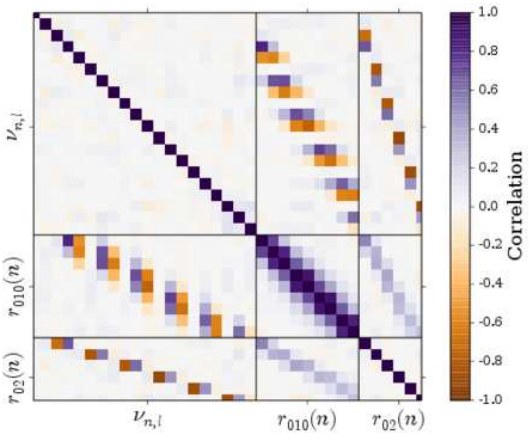

Figure A15. Correlation matrix of all frequencies and ratios for KIC 4143755. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A9. Mode frequencies and statistics for KIC 4143755.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	1	1078.06	0.73	1.27
14	1	1152.29	0.17	> 6
14	2	1189.21	0.63	-0.41
15	0	1195.81	0.56	0.86
15	1	1228.12	0.29	> 6
15	2	1266.36	0.23	> 6
16	0	1272.67	0.17	> 6
16	1	1305.06	0.12	> 6
16	2	1343.34	0.16	> 6
17	0	1349.99	0.13	> 6
17	1	1382.37	0.13	> 6
17	2	1420.98	0.25	> 6
18	0	1427.34	0.13	> 6
18	1	1459.11	0.11	> 6
18	2	1497.93	0.22	> 6
19	0	1504.65	0.12	> 6
19	1	1536.65	0.14	> 6
19	2	1578.42	0.4	> 6
20	0	1582.68	0.24	> 6
20	1	1614.54	0.25	> 6

Table A10. Ratios for KIC 4143755.

Ratio type	n	Ratio	68% credible interval
r_{10}	15	0.078	0.005
r_{01}	16	0.08	0.003
r_{10}	16	0.08	0.002
r_{01}	17	0.081	0.002
r_{10}	17	0.082	0.002
r_{01}	18	0.086	0.002
r_{10}	18	0.088	0.002
r_{01}	19	0.088	0.002
r_{10}	19	0.089	0.002
r_{02}	15	0.087	0.011
r_{02}	16	0.082	0.004
r_{02}	17	0.086	0.003
r_{02}	18	0.083	0.004
r_{02}	19	0.086	0.003
r_{02}	20	0.055	0.006

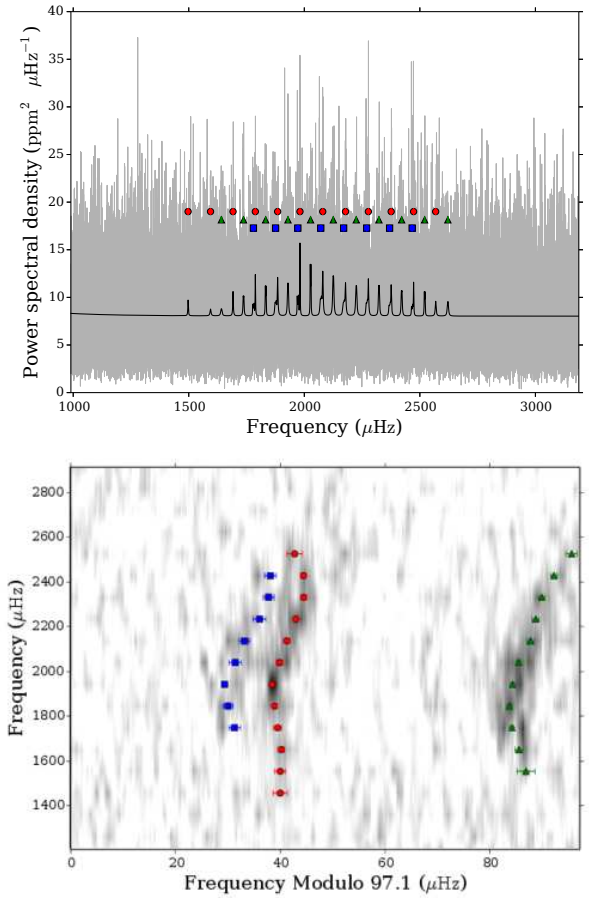

Figure A16. Power spectrum and echelle diagram for KIC 4349452. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.6 4349452

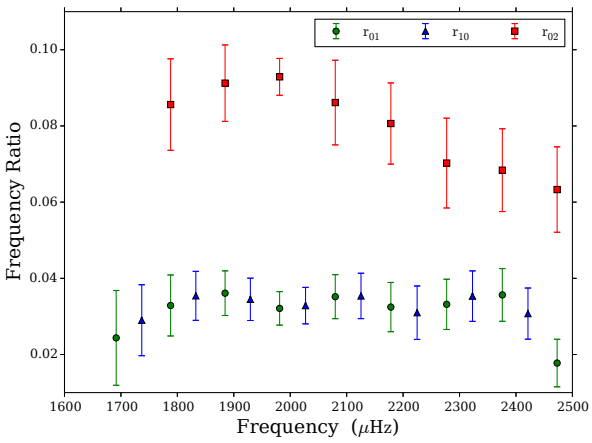

Figure A17. Ratios and 67% confidence intervals as a function of frequency for KIC 4349452.

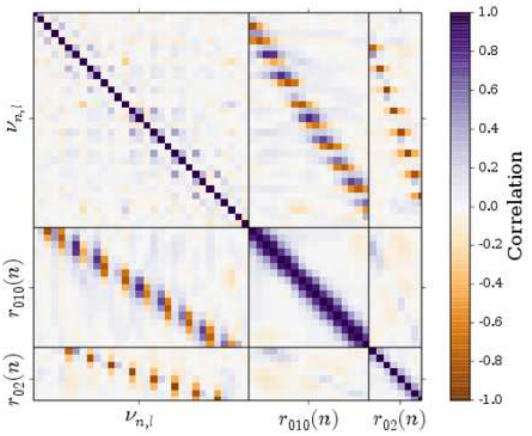

Figure A18. Correlation matrix of all frequencies and ratios for KIC 4349452. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A11. Mode frequencies and statistics for KIC 4349452.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
15	0	1497.1	1.34	0.85
16	0	1594.24	1.09	1.0
16	1	1641.14	1.75	1.02
17	0	1691.59	0.66	2.07
17	1	1736.93	0.81	> 6
17	2	1779.8	1.13	0.14
18	0	1788.03	0.79	1.81
18	1	1832.76	0.41	3.69
18	2	1875.72	0.98	1.68
19	0	1884.54	0.52	3.41
19	1	1929.37	0.56	> 6
19	2	1972.12	0.46	1.53
20	0	1981.2	0.18	3.72
20	1	2027.14	0.47	> 6
20	2	2071.34	1.21	1.46
21	0	2079.8	0.56	3.49
21	1	2125.42	0.46	> 6
21	2	2170.27	1.08	1.79
22	0	2178.33	0.56	3.49
22	1	2224.84	0.72	> 6
22	2	2270.29	1.21	1.26
23	0	2277.2	0.44	3.77
23	1	2322.98	0.68	2.89
23	2	2369.11	1.02	0.52
24	0	2375.86	0.63	2.8
24	1	2421.25	0.62	3.06
24	2	2466.63	1.12	0.2
25	0	2472.92	0.52	2.61
25	1	2520.72	0.56	1.94
26	0	2568.4	1.45	1.81
26	1	2621.25	1.06	2.0

Table A12. Ratios for KIC 4349452.

Ratio type	n	Ratio	68% credible interval
r_{01}	17	0.024	0.012
r_{10}	17	0.029	0.009
r_{01}	18	0.033	0.008
r_{10}	18	0.035	0.006
r_{01}	19	0.036	0.006
r_{10}	19	0.034	0.006
r_{01}	20	0.032	0.004
r_{10}	20	0.033	0.005
r_{01}	21	0.035	0.006
r_{10}	21	0.035	0.006
r_{01}	22	0.032	0.006
r_{10}	22	0.031	0.007
r_{01}	23	0.033	0.007
r_{10}	23	0.035	0.007
r_{01}	24	0.036	0.007
r_{10}	24	0.031	0.007
r_{01}	25	0.018	0.006
r_{02}	18	0.086	0.012
r_{02}	19	0.091	0.01
r_{02}	20	0.093	0.005
r_{02}	21	0.086	0.011
r_{02}	22	0.081	0.011
r_{02}	23	0.07	0.012
r_{02}	24	0.068	0.011
r_{02}	25	0.063	0.011

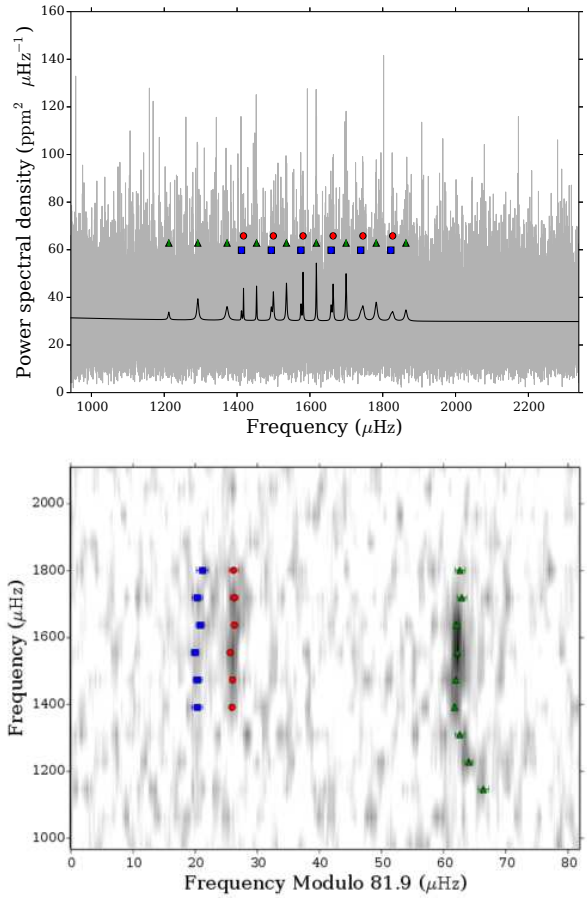

Figure A19. Power spectrum and echelle diagram for KIC 4914423. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.7 4914423

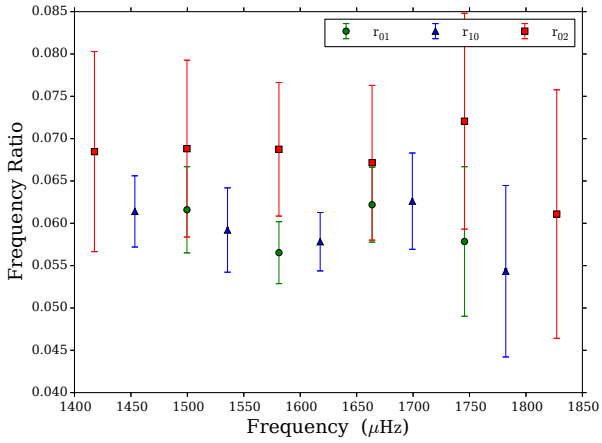

Figure A20. Ratios and 67% confidence intervals as a function of frequency for KIC 4914423.

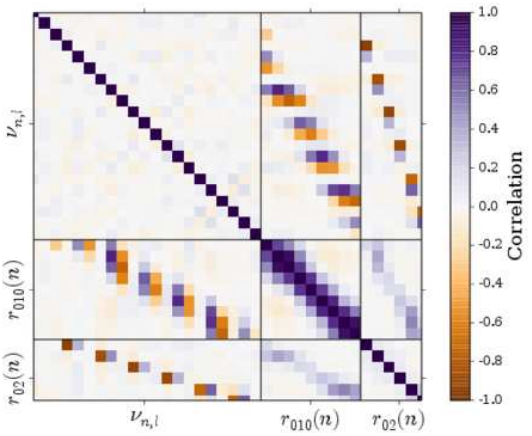

Figure A21. Correlation matrix of all frequencies and ratios for KIC 4914423. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A13. Mode frequencies and statistics for KIC 4914423.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	1	1212.51	0.82	1.07
14	1	1292.05	0.66	> 6
15	1	1372.45	0.8	1.53
15	2	1412.11	0.9	-0.14
16	0	1417.69	0.33	1.57
16	1	1453.49	0.27	> 6
16	2	1494.01	0.75	-0.18
17	0	1499.65	0.45	1.97
17	1	1535.58	0.38	> 6
17	2	1575.49	0.61	0.87
18	0	1581.14	0.26	2.74
18	1	1617.68	0.22	> 6
18	2	1658.17	0.7	0.49
19	0	1663.67	0.35	2.7
19	1	1699.33	0.3	> 6
19	2	1739.58	0.8	0.27
20	0	1745.54	0.71	2.67
20	1	1782.11	0.79	1.15
20	2	1822.29	0.94	-0.01
21	0	1827.27	0.78	1.92
21	1	1863.68	0.83	0.87

Table A14. Ratios for KIC 4914423.

Ratio type	n	Ratio	68% credible interval
r_{10}	16	0.061	0.004
r_{01}	17	0.062	0.005
r_{10}	17	0.059	0.005
r_{01}	18	0.057	0.004
r_{10}	18	0.058	0.003
r_{01}	19	0.062	0.004
r_{10}	19	0.063	0.006
r_{01}	20	0.058	0.009
r_{10}	20	0.054	0.01
r_{02}	16	0.068	0.012
r_{02}	17	0.069	0.01
r_{02}	18	0.069	0.008
r_{02}	19	0.067	0.009
r_{02}	20	0.072	0.013
r_{02}	21	0.061	0.015

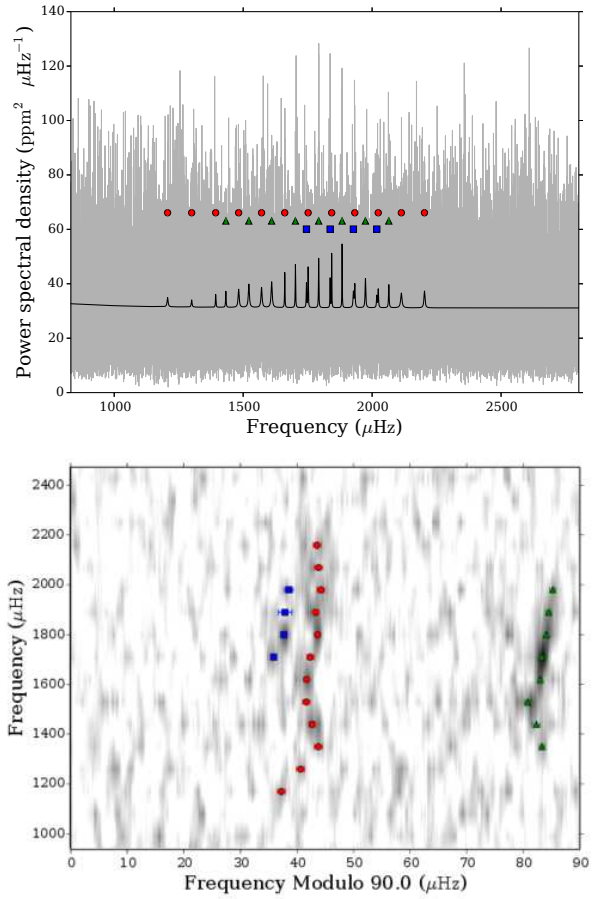

Figure A22. Power spectrum and echelle diagram for KIC 5094751. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.8 5094751

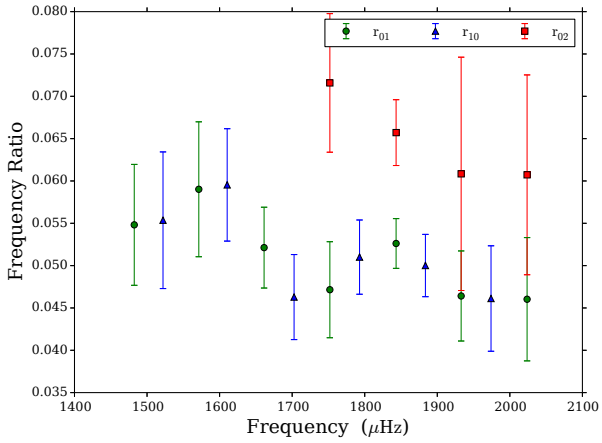

Figure A23. Ratios and 67% confidence intervals as a function of frequency for KIC 5094751.

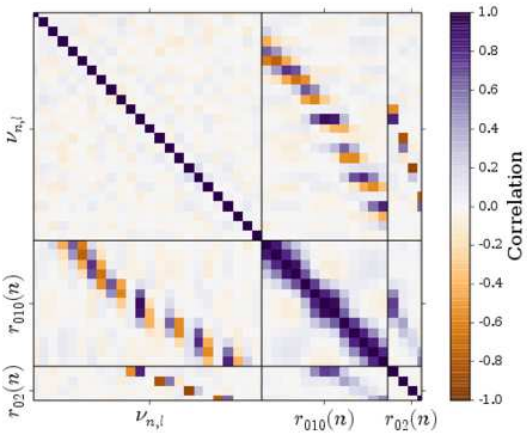

Figure A24. Correlation matrix of all frequencies and ratios for KIC 5094751. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A15. Mode frequencies and statistics for KIC 5094751.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	0	1206.97	0.71	1.01
13	0	1300.35	0.71	0.94
14	0	1393.45	0.8	1.18
14	1	1433.01	0.48	1.3
15	0	1482.37	0.54	2.36
15	1	1522.0	0.73	1.44
16	0	1571.32	0.72	0.8
16	1	1610.44	0.53	> 6
17	0	1661.3	0.36	> 6
17	1	1702.63	0.33	> 6
17	2	1745.48	0.41	0.52
18	0	1751.95	0.62	1.87
18	1	1792.86	0.21	> 6
18	2	1837.27	0.28	> 6
19	0	1843.23	0.21	> 6
19	1	1883.65	0.26	> 6
19	2	1927.46	1.2	-0.29
20	0	1932.88	0.54	3.05
20	1	1974.06	0.47	2.42
20	2	2018.12	0.84	0.09
21	0	2023.76	0.7	2.27
21	1	2064.76	0.48	1.25
22	0	2113.34	0.79	2.08
23	0	2203.04	0.72	1.78

Table A16. Ratios for KIC 5094751.

Ratio type	n	Ratio	68% credible interval
r_{01}	15	0.055	0.007
r_{10}	15	0.055	0.008
r_{01}	16	0.059	0.008
r_{10}	16	0.06	0.007
r_{01}	17	0.052	0.005
r_{10}	17	0.046	0.005
r_{01}	18	0.047	0.006
r_{10}	18	0.051	0.004
r_{01}	19	0.053	0.003
r_{10}	19	0.05	0.004
r_{01}	20	0.046	0.005
r_{10}	20	0.046	0.006
r_{01}	21	0.046	0.007
r_{02}	18	0.072	0.008
r_{02}	19	0.066	0.004
r_{02}	20	0.061	0.014
r_{02}	21	0.061	0.012

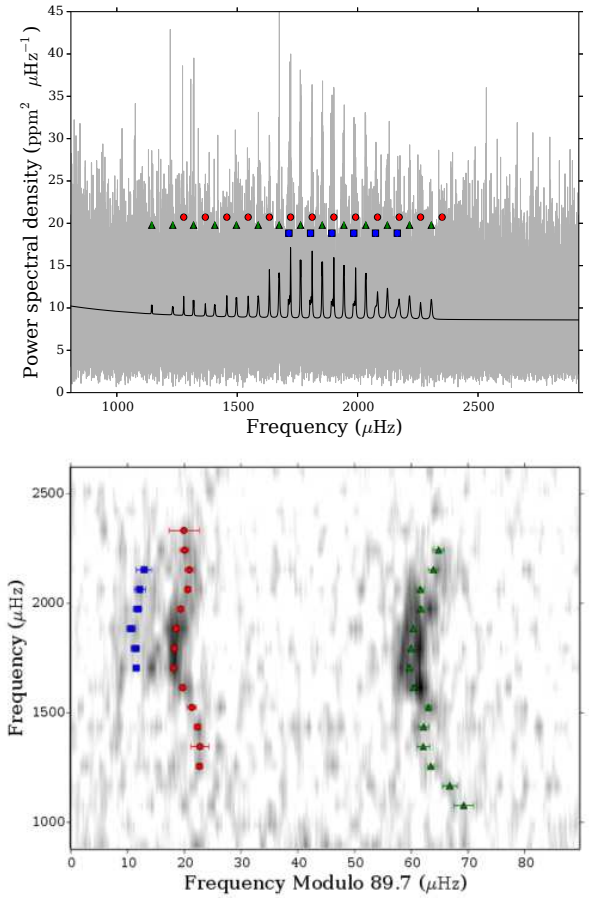

Figure A25. Power spectrum and echelle diagram for KIC 5866724. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.9 5866724

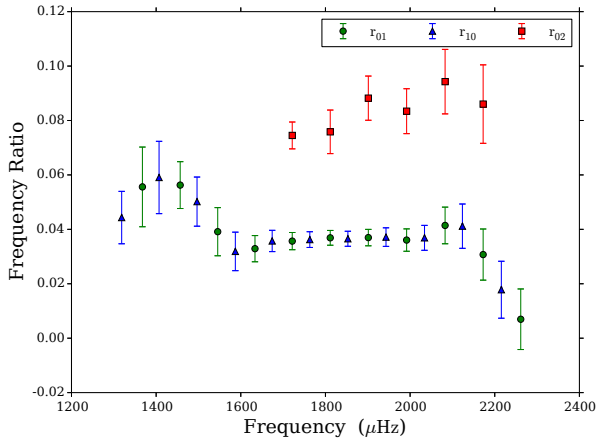

Figure A26. Ratios and 67% confidence intervals as a function of frequency for KIC 5866724.

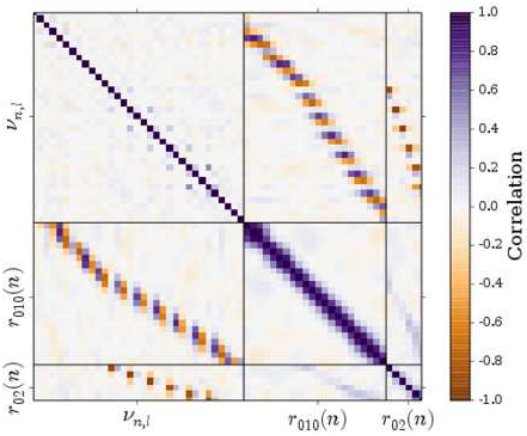

Figure A27. Correlation matrix of all frequencies and ratios for KIC 5866724. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A17. Mode frequencies and statistics for KIC 5866724.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	1	1145.06	1.74	1.17
13	1	1232.26	1.34	1.16
14	0	1277.81	0.54	1.25
14	1	1318.57	0.52	1.6
15	0	1367.58	1.52	1.44
15	1	1406.91	1.1	1.17
16	0	1456.82	0.5	1.82
16	1	1496.62	0.86	1.58
17	0	1545.47	0.85	0.96
17	1	1587.13	0.47	3.03
18	0	1633.51	0.4	3.25
18	1	1674.16	0.31	> 6
18	2	1714.95	0.42	2.34
19	0	1721.55	0.23	4.09
19	1	1763.06	0.25	> 6
19	2	1804.5	0.72	1.52
20	0	1811.32	0.23	3.94
20	1	1853.02	0.2	> 6
20	2	1893.38	0.72	2.16
21	0	1901.3	0.27	4.32
21	1	1943.05	0.27	> 6
21	2	1984.2	0.74	1.21
22	0	1991.77	0.42	3.85
22	1	2034.04	0.28	> 6
22	2	2074.21	1.02	1.27
23	0	2082.68	0.61	3.24
23	1	2123.62	0.66	3.67
23	2	2164.64	1.31	0.46
24	0	2172.57	0.81	3.0
24	1	2215.57	0.87	> 6
25	0	2261.41	0.82	> 6
25	1	2306.14	0.96	2.26
26	0	2350.94	2.69	2.3

Table A18. Ratios for KIC 5866724.

Ratio type	n	Ratio	68% credible interval
r_{10}	14	0.044	0.01
r_{01}	15	0.056	0.015
r_{10}	15	0.059	0.013
r_{01}	16	0.056	0.009
r_{10}	16	0.05	0.009
r_{01}	17	0.039	0.009
r_{10}	17	0.032	0.007
r_{01}	18	0.033	0.005
r_{10}	18	0.036	0.004
r_{01}	19	0.036	0.003
r_{10}	19	0.036	0.003
r_{01}	20	0.037	0.003
r_{10}	20	0.037	0.003
r_{01}	21	0.037	0.003
r_{10}	21	0.037	0.003
r_{01}	22	0.036	0.004
r_{10}	22	0.037	0.005
r_{01}	23	0.041	0.007
r_{10}	23	0.041	0.008
r_{01}	24	0.031	0.009
r_{10}	24	0.018	0.01
r_{01}	25	0.007	0.011
r_{02}	19	0.075	0.005
r_{02}	20	0.076	0.008
r_{02}	21	0.088	0.008
r_{02}	22	0.083	0.008
r_{02}	23	0.094	0.012
r_{02}	24	0.086	0.014

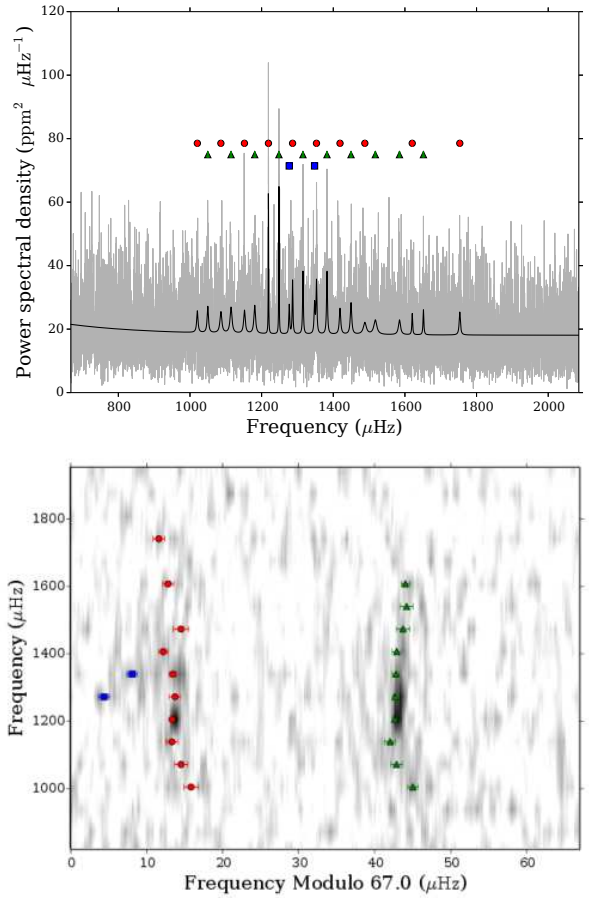

Figure A28. Power spectrum and echelle diagram for KIC 6196457. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.10 6196457

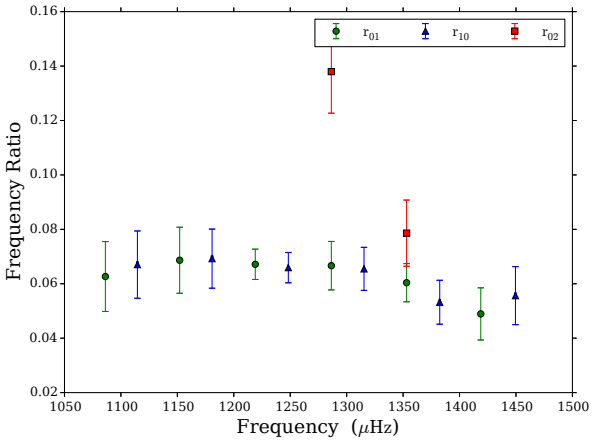

Figure A29. Ratios and 67% confidence intervals as a function of frequency for KIC 6196457.

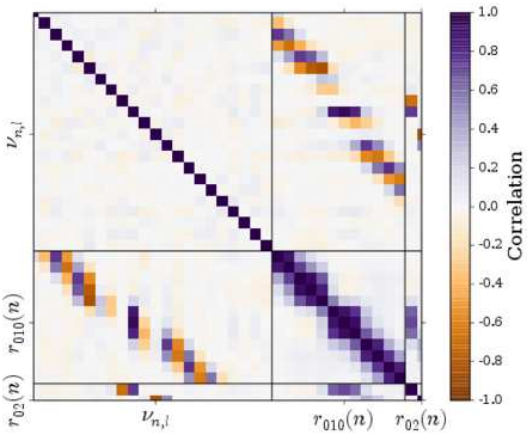

Figure A30. Correlation matrix of all frequencies and ratios for KIC 6196457. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A19. Mode frequencies and statistics for KIC 6196457.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
14	0	1020.58	0.94	0.79
14	1	1049.78	0.7	1.58
15	0	1086.24	0.86	0.96
15	1	1114.61	0.73	1.57
16	0	1152.05	0.76	> 6
16	1	1180.75	0.71	1.39
17	0	1219.04	0.16	> 6
17	1	1248.33	0.17	> 6
17	2	1277.08	0.69	-0.25
18	0	1286.41	0.76	1.12
18	1	1315.37	0.29	> 6
18	2	1347.8	0.68	> 6
19	0	1353.11	0.47	> 6
19	1	1382.46	0.44	> 6
20	0	1418.82	0.67	> 6
20	1	1449.55	0.59	1.41
21	0	1488.14	1.0	0.93
21	1	1517.37	0.9	1.11
22	1	1584.82	0.81	> 6
23	0	1620.42	0.74	1.42
23	1	1651.65	0.57	0.97
25	0	1753.17	0.77	1.18

Table A20. Ratios for KIC 6196457.

Ratio type	n	Ratio	68% credible interval
r_{01}	15	0.063	0.013
r_{10}	15	0.067	0.012
r_{01}	16	0.069	0.012
r_{10}	16	0.069	0.011
r_{01}	17	0.067	0.006
r_{10}	17	0.066	0.006
r_{01}	18	0.067	0.009
r_{10}	18	0.065	0.008
r_{01}	19	0.06	0.007
r_{10}	19	0.053	0.008
r_{01}	20	0.049	0.01
r_{10}	20	0.056	0.011
r_{02}	18	0.138	0.015
r_{02}	19	0.079	0.012

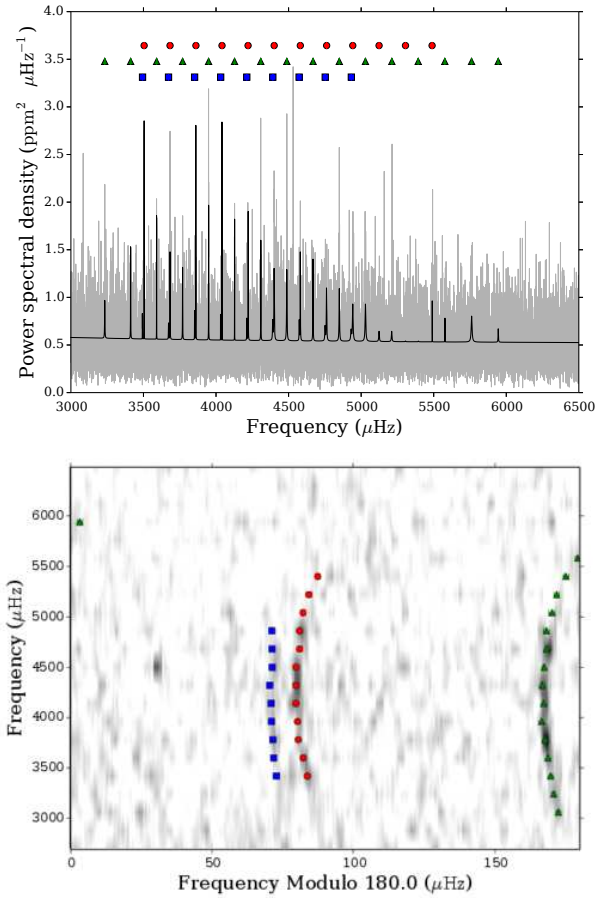

Figure A31. Power spectrum and echelle diagram for KIC 6278762. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.11 6278762

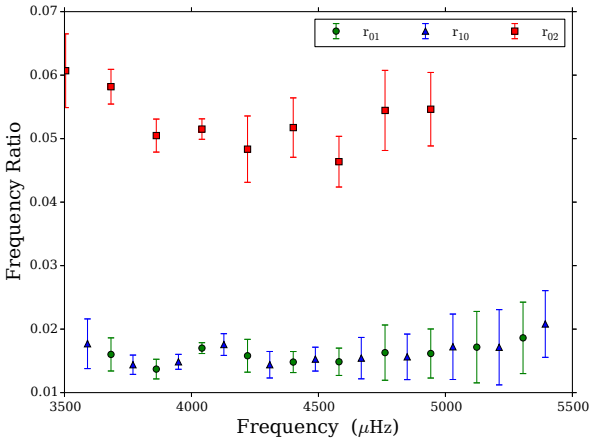

Figure A32. Ratios and 67% confidence intervals as a function of frequency for KIC 6278762.

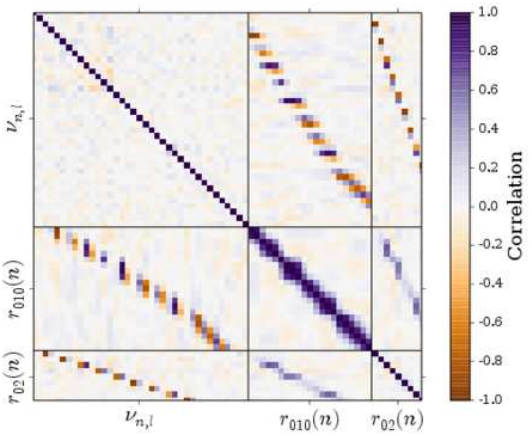

Figure A33. Correlation matrix of all frequencies and ratios for KIC 6278762. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A21. Mode frequencies and statistics for KIC 6278762.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
16	1	3233.26	0.7	1.7
17	1	3411.7	0.52	> 6
17	2	3493.67	1.03	0.1
18	0	3504.57	0.34	2.69
18	1	3590.67	0.88	> 6
18	2	3672.71	0.48	0.21
19	0	3683.12	0.14	2.47
19	1	3769.67	0.25	> 6
19	2	3852.45	0.31	0.56
20	0	3861.5	0.32	1.81
20	1	3948.73	0.13	> 6
20	2	4032.07	0.27	0.34
21	0	4041.25	0.15	1.91
21	1	4127.62	0.09	> 6
21	2	4212.04	0.75	0.68
22	0	4220.76	0.61	2.96
22	1	4308.33	0.24	> 6
22	2	4391.47	0.8	0.06
23	0	4400.74	0.25	2.82
23	1	4487.89	0.36	> 6
23	2	4572.47	0.68	0.69
24	0	4580.84	0.31	2.85
24	1	4668.67	0.49	1.52
24	2	4752.43	0.82	-0.04
25	0	4762.2	0.99	1.32
25	1	4849.51	0.38	> 6
25	2	4932.4	0.91	-0.84
26	0	4942.25	0.53	2.74
26	1	5029.49	1.05	> 6
27	0	5123.48	0.92	1.29
27	1	5211.57	1.05	0.94
28	0	5305.62	0.97	0.73
28	1	5393.24	0.85	0.72
29	0	5488.79	1.04	0.68
29	1	5576.51	0.91	0.68
30	1	5760.77	0.77	1.32
31	1	5944.74	0.93	1.07

Table A22. Ratios for KIC 6278762.

Ratio type	n	Ratio	68% credible interval
r_{10}	18	0.018	0.004
r_{01}	19	0.016	0.003
r_{10}	19	0.014	0.002
r_{01}	20	0.014	0.002
r_{10}	20	0.015	0.001
r_{01}	21	0.017	0.001
r_{10}	21	0.018	0.002
r_{01}	22	0.016	0.003
r_{10}	22	0.014	0.002
r_{01}	23	0.015	0.002
r_{10}	23	0.015	0.002
r_{01}	24	0.015	0.002
r_{10}	24	0.015	0.003
r_{01}	25	0.016	0.004
r_{10}	25	0.016	0.004
r_{01}	26	0.016	0.004
r_{10}	26	0.017	0.005
r_{01}	27	0.017	0.006
r_{10}	27	0.017	0.006
r_{01}	28	0.019	0.006
r_{10}	28	0.021	0.005
r_{02}	18	0.061	0.006
r_{02}	19	0.058	0.003
r_{02}	20	0.05	0.003
r_{02}	21	0.052	0.002
r_{02}	22	0.048	0.005
r_{02}	23	0.052	0.005
r_{02}	24	0.046	0.004
r_{02}	25	0.054	0.006
r_{02}	26	0.055	0.006

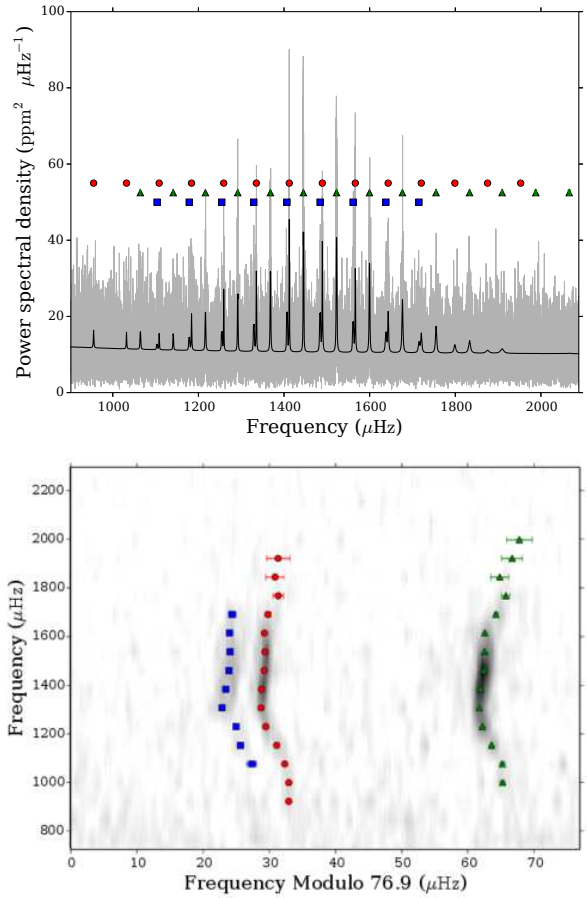

Figure A34. Power spectrum and echelle diagram for KIC 6521045. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.12 6521045

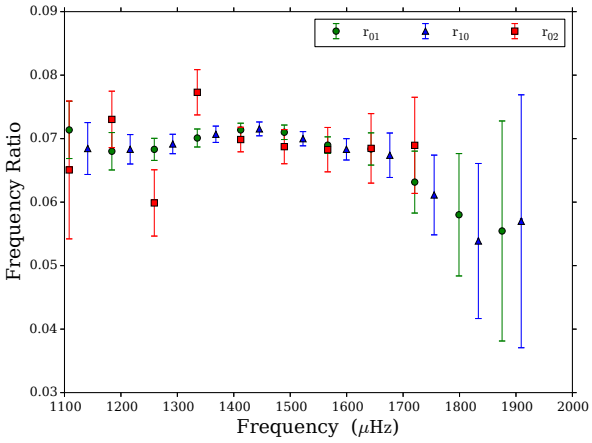

Figure A35. Ratios and 67% confidence intervals as a function of frequency for KIC 6521045.

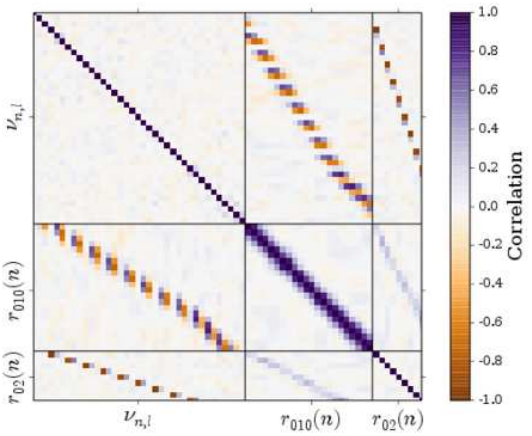

Figure A36. Correlation matrix of all frequencies and ratios for KIC 6521045. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A23. Mode frequencies and statistics for KIC 6521045.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	0	955.19	0.32	> 6
13	0	1032.04	0.3	> 6
13	1	1064.34	0.36	2.38
13	2	1103.31	0.75	-0.15
14	0	1108.3	0.34	1.8
14	1	1141.16	0.31	1.68
14	2	1178.46	0.28	1.16
15	0	1183.94	0.2	3.15
15	1	1216.38	0.16	> 6
15	2	1254.63	0.38	0.36
16	0	1259.14	0.12	3.58
16	1	1291.84	0.11	> 6
16	2	1329.39	0.26	> 6
17	0	1335.29	0.1	> 6
17	1	1368.23	0.1	> 6
17	2	1406.84	0.14	> 6
18	0	1412.23	0.07	> 6
18	1	1445.3	0.08	> 6
18	2	1484.17	0.19	> 6
19	0	1489.48	0.09	> 6
19	1	1522.62	0.08	> 6
19	2	1561.19	0.26	> 6
20	0	1566.44	0.09	> 6
20	1	1599.6	0.11	> 6
20	2	1637.96	0.4	> 6
21	0	1643.23	0.17	> 6
21	1	1676.49	0.21	> 6
21	2	1715.2	0.56	> 6
22	0	1720.6	0.41	> 6
22	1	1755.02	0.31	> 6
23	0	1799.02	0.8	2.2
23	1	1833.38	0.62	2.62
24	0	1875.39	1.38	1.48
24	1	1909.32	1.36	0.78
25	0	1952.7	1.75	0.84
25	1	1988.05	1.59	0.68
26	1	2066.0	1.96	0.67

Table A24. Ratios for KIC 6521045.

Ratio type	n	Ratio	68% credible interval
r_{01}	14	0.071	0.005
r_{10}	14	0.068	0.004
r_{01}	15	0.068	0.003
r_{10}	15	0.068	0.002
r_{01}	16	0.068	0.002
r_{10}	16	0.069	0.002
r_{01}	17	0.07	0.001
r_{10}	17	0.071	0.001
r_{01}	18	0.071	0.001
r_{10}	18	0.072	0.001
r_{01}	19	0.071	0.001
r_{10}	19	0.07	0.001
r_{01}	20	0.069	0.001
r_{10}	20	0.068	0.002
r_{01}	21	0.068	0.003
r_{10}	21	0.067	0.004
r_{01}	22	0.063	0.005
r_{10}	22	0.061	0.006
r_{01}	23	0.058	0.01
r_{10}	23	0.054	0.012
r_{01}	24	0.055	0.017
r_{10}	24	0.057	0.02
r_{02}	14	0.065	0.011
r_{02}	15	0.073	0.004
r_{02}	16	0.06	0.005
r_{02}	17	0.077	0.004
r_{02}	18	0.07	0.002
r_{02}	19	0.069	0.003
r_{02}	20	0.068	0.003
r_{02}	21	0.068	0.005
r_{02}	22	0.069	0.008

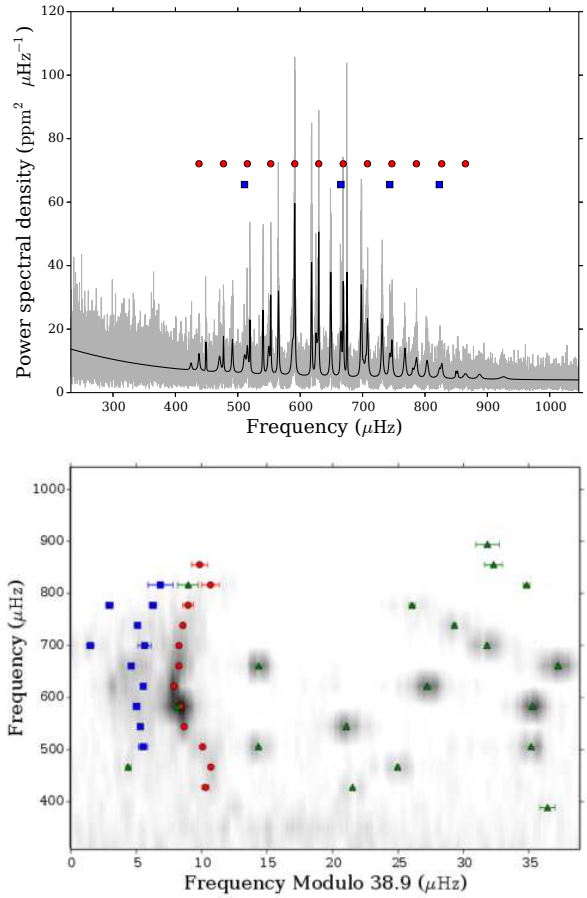

Figure A37. Power spectrum and echelle diagram for 7199397.

A0.13 7199397

Table A25. Frequencies for 7199397

n	l	Frequency (μHz)	68% credible (μHz)
8(01)	1	425.05	0.58
10	0	437.8	0.26
9(01)	1	449.04	0.06
11	0	477.07	0.11
10(01)	1	491.34	0.13
10(02)	1	470.77	0.21
11	2	510.77	0.34
12	0	515.31	0.19
11(01)	1	540.4	0.06
11(02)	1	519.58	0.1
12(02)	2	549.42	0.16
13	0	552.77	0.07
12(01)	1	565.16	0.08
13(01)	2	588.0	0.26
14	0	591.35	0.17
13(01)	1	618.23	0.06
13(02)	1	591.13	0.15
14(02)	2	627.38	0.12
15	0	629.72	0.06
14(01)	1	649.07	0.07
15	2	665.34	0.11
16	0	668.96	0.07
15(02)	1	675.06	0.04
16(01)	2	705.21	0.51
16(02)	2	701.07	0.3
17	0	707.83	0.13
16(01)	1	731.35	0.11
16(02)	1	697.92	0.11
17	2	743.55	0.22
18	0	747.0	0.14
17(01)	1	767.73	0.15
19	0	786.26	0.4
18(02)	2	783.58	0.28
18(01)	2	780.26	0.29
18(01)	1	803.36	0.2
20	0	826.83	0.69
19(01)	1	850.97	0.24
19(02)	1	825.14	0.79
20	2	823.01	0.97
21	0	864.87	0.61
20(01)	1	887.32	0.7
20(02)	1	925.71	0.89

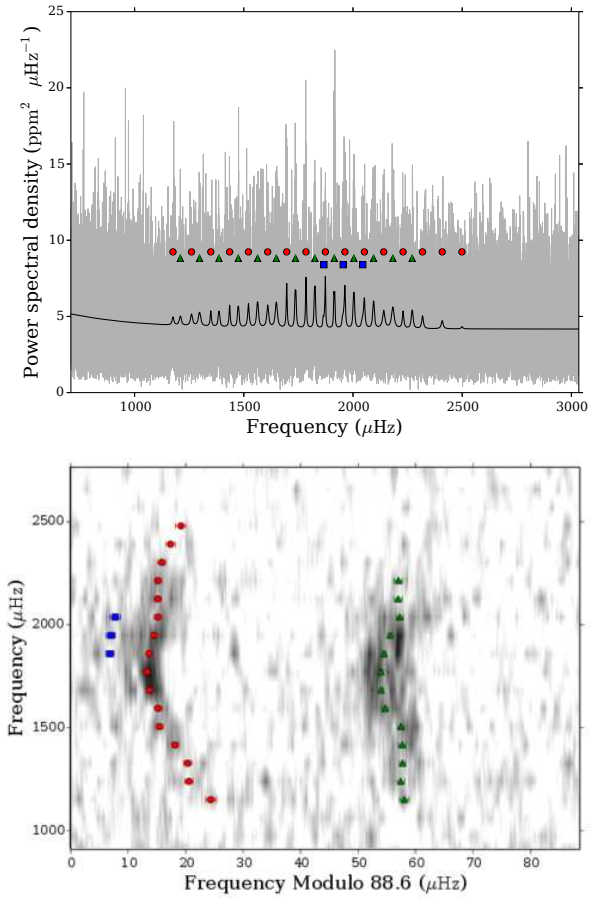

Figure A38. Power spectrum and echelle diagram for KIC 7670943. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.14 7670943

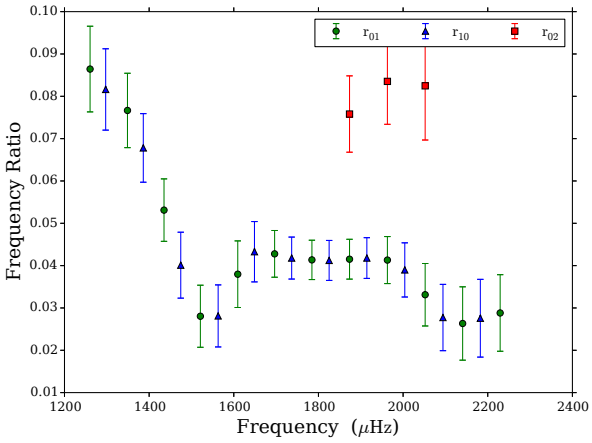

Figure A39. Ratios and 67% confidence intervals as a function of frequency for KIC 7670943.

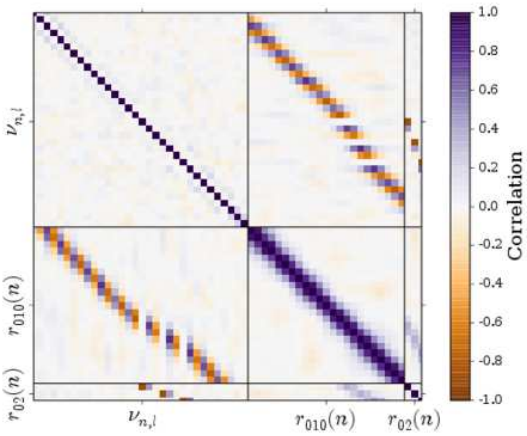

Figure A40. Correlation matrix of all frequencies and ratios for KIC 7670943. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A26. Mode frequencies and statistics for KIC 7670943.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	0	1175.7	0.9	1.03
12	1	1209.37	0.87	1.16
13	0	1260.45	0.78	0.86
13	1	1297.3	0.7	1.2
14	0	1348.81	0.76	0.8
14	1	1386.18	0.61	2.55
15	0	1435.14	0.55	2.17
15	1	1474.69	0.64	2.74
16	0	1521.05	0.63	2.67
16	1	1563.03	0.59	3.2
17	0	1609.37	0.73	1.58
17	1	1648.85	0.59	> 6
18	0	1696.44	0.39	> 6
18	1	1736.74	0.46	3.92
19	0	1784.58	0.35	> 6
19	1	1825.25	0.43	> 6
19	2	1866.69	0.72	1.26
20	0	1873.44	0.41	3.77
20	1	1914.37	0.34	> 6
20	2	1955.41	0.82	0.67
21	0	1962.91	0.48	4.04
21	1	2003.97	0.49	> 6
21	2	2044.7	0.92	1.4
22	0	2052.12	0.7	4.01
22	1	2094.2	0.61	4.08
23	0	2140.68	0.68	3.13
23	1	2182.5	0.78	1.53
24	0	2229.3	0.65	2.66
24	1	2271.12	0.74	1.72
25	0	2318.5	0.76	1.72
26	0	2408.59	0.84	0.9
27	0	2498.96	0.93	0.67

Table A27. Ratios for KIC 7670943.

Ratio type	n	Ratio	68% credible interval
r_{01}	13	0.086	0.01
r_{10}	13	0.082	0.01
r_{01}	14	0.077	0.009
r_{10}	14	0.068	0.008
r_{01}	15	0.053	0.007
r_{10}	15	0.04	0.008
r_{01}	16	0.028	0.007
r_{10}	16	0.028	0.007
r_{01}	17	0.038	0.008
r_{10}	17	0.043	0.007
r_{01}	18	0.043	0.006
r_{10}	18	0.042	0.005
r_{01}	19	0.041	0.005
r_{10}	19	0.041	0.005
r_{01}	20	0.042	0.005
r_{10}	20	0.042	0.005
r_{01}	21	0.041	0.006
r_{10}	21	0.039	0.006
r_{01}	22	0.033	0.007
r_{10}	22	0.028	0.008
r_{01}	23	0.026	0.009
r_{10}	23	0.028	0.009
r_{01}	24	0.029	0.009
r_{02}	20	0.076	0.009
r_{02}	21	0.084	0.01
r_{02}	22	0.082	0.013

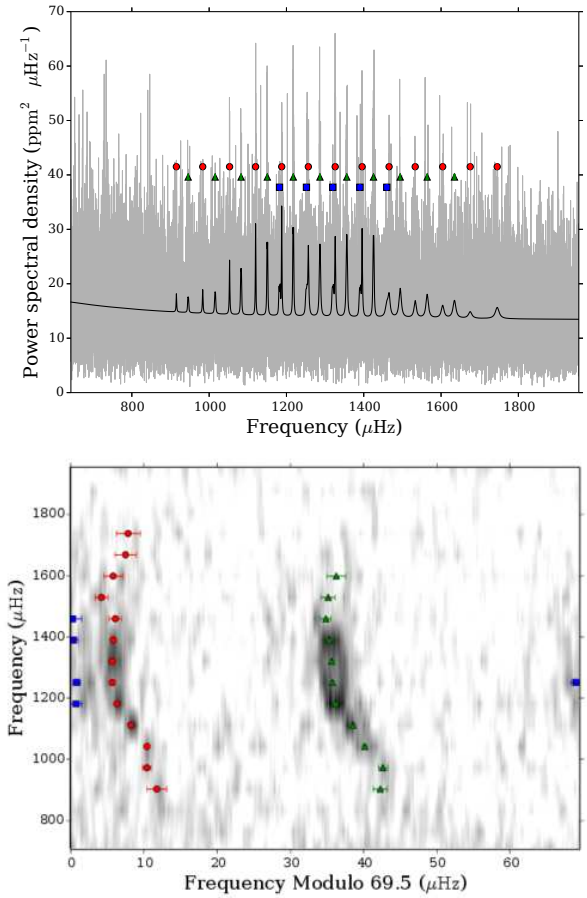

Figure A41. Power spectrum and echelle diagram for KIC 8077137. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.15 8077137

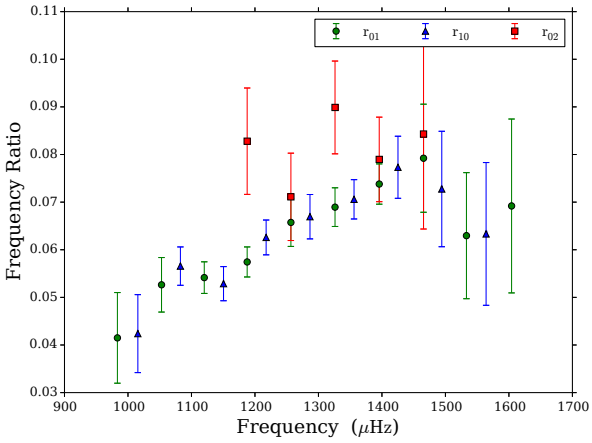

Figure A42. Ratios and 67% confidence intervals as a function of frequency for KIC 8077137.

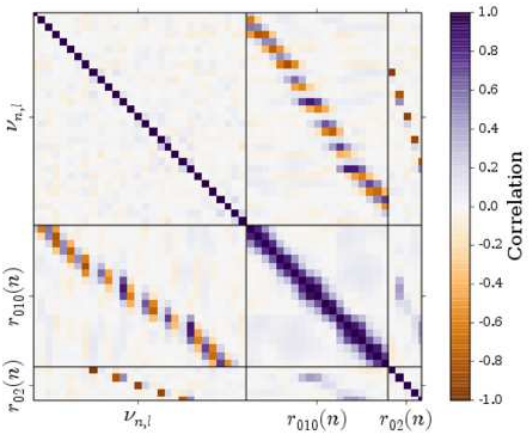

Figure A43. Correlation matrix of all frequencies and ratios for KIC 8077137. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A28. Mode frequencies and statistics for KIC 8077137.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	0	915.2	1.33	> 6
13	1	945.72	0.93	1.24
14	0	983.35	0.55	1.6
14	1	1015.56	0.64	> 6
15	0	1052.85	0.25	> 6
15	1	1082.59	0.28	> 6
16	0	1120.16	0.16	> 6
16	1	1150.48	0.29	> 6
16	2	1182.15	0.76	> 6
17	0	1187.73	0.16	> 6
17	1	1217.61	0.19	> 6
17	2	1251.73	0.51	2.02
18	0	1256.61	0.4	3.72
18	1	1286.67	0.26	> 6
18	2	1319.88	0.67	2.48
19	0	1326.11	0.24	4.4
19	1	1356.05	0.28	> 6
19	2	1390.26	0.65	1.52
20	0	1395.74	0.28	4.06
20	1	1425.27	0.2	> 6
20	2	1459.69	1.23	0.27
21	0	1465.51	0.89	2.73
21	1	1494.26	0.71	2.59
22	0	1533.12	0.86	> 6
22	1	1564.06	0.98	2.13
23	0	1604.21	1.28	2.73
23	1	1634.67	1.26	1.43
24	0	1675.39	1.46	0.93
25	0	1745.24	1.66	1.14

Table A29. Ratios for KIC 8077137.

Ratio type	n	Ratio	68% credible interval
r_{01}	14	0.041	0.01
r_{10}	14	0.042	0.008
r_{01}	15	0.053	0.006
r_{10}	15	0.057	0.004
r_{01}	16	0.054	0.003
r_{10}	16	0.053	0.004
r_{01}	17	0.057	0.003
r_{10}	17	0.063	0.004
r_{01}	18	0.066	0.005
r_{10}	18	0.067	0.005
r_{01}	19	0.069	0.004
r_{10}	19	0.071	0.004
r_{01}	20	0.074	0.004
r_{10}	20	0.077	0.007
r_{01}	21	0.079	0.011
r_{10}	21	0.073	0.012
r_{01}	22	0.063	0.013
r_{10}	22	0.063	0.015
r_{01}	23	0.069	0.018
r_{02}	17	0.083	0.011
r_{02}	18	0.071	0.009
r_{02}	19	0.09	0.01
r_{02}	20	0.079	0.009
r_{02}	21	0.084	0.02

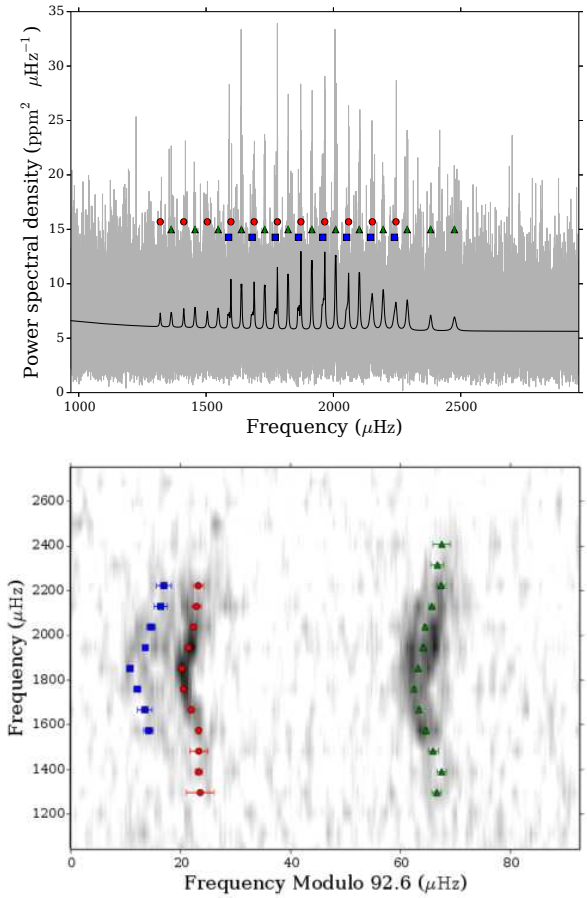

Figure A44. Power spectrum and echelle diagram for KIC 8292840. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.16 8292840

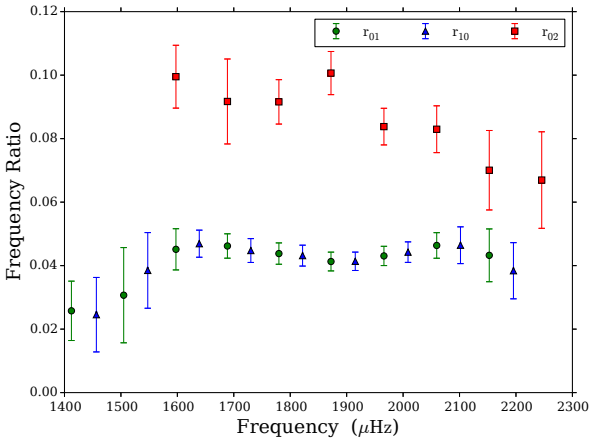

Figure A45. Ratios and 67% confidence intervals as a function of frequency for KIC 8292840.

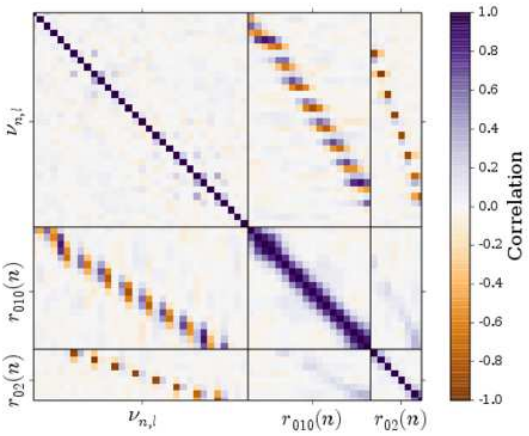

Figure A46. Correlation matrix of all frequencies and ratios for KIC 8292840. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A30. Mode frequencies and statistics for KIC 8292840.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
14	0	1319.97	2.51	0.75
14	1	1363.0	0.83	1.95
15	0	1412.29	0.68	1.85
15	1	1456.49	0.85	2.84
16	0	1504.9	1.61	1.44
16	1	1547.56	0.87	1.46
16	2	1588.39	0.86	1.34
17	0	1597.49	0.41	3.03
17	1	1638.84	0.3	> 6
17	2	1680.31	1.32	0.1
18	0	1688.72	0.34	3.72
18	1	1730.21	0.36	> 6
18	2	1771.53	0.62	2.45
19	0	1779.92	0.23	4.28
19	1	1821.88	0.33	> 6
19	2	1862.82	0.61	2.44
20	0	1872.23	0.2	4.6
20	1	1915.25	0.26	> 6
20	2	1958.19	0.52	2.93
21	0	1966.04	0.26	4.71
21	1	2008.73	0.27	> 6
21	2	2051.84	0.71	2.65
22	0	2059.56	0.34	4.46
22	1	2101.69	0.34	> 6
22	2	2146.2	1.2	0.15
23	0	2152.69	0.86	4.17
23	1	2195.53	0.52	4.19
23	2	2239.42	1.35	0.56
24	0	2245.63	0.92	3.65
24	1	2289.83	0.71	> 6
25	1	2381.74	1.12	2.7
26	1	2475.14	1.54	1.39

Table A31. Ratios for KIC 8292840.

Ratio type	n	Ratio	68% credible interval
r_{01}	15	0.026	0.009
r_{10}	15	0.025	0.012
r_{01}	16	0.031	0.015
r_{10}	16	0.038	0.012
r_{01}	17	0.045	0.006
r_{10}	17	0.047	0.004
r_{01}	18	0.046	0.004
r_{10}	18	0.045	0.004
r_{01}	19	0.044	0.003
r_{10}	19	0.043	0.003
r_{01}	20	0.041	0.003
r_{10}	20	0.041	0.003
r_{01}	21	0.043	0.003
r_{10}	21	0.044	0.003
r_{01}	22	0.046	0.004
r_{10}	22	0.046	0.006
r_{01}	23	0.043	0.008
r_{10}	23	0.038	0.009
r_{02}	17	0.1	0.01
r_{02}	18	0.092	0.013
r_{02}	19	0.092	0.007
r_{02}	20	0.101	0.007
r_{02}	21	0.084	0.006
r_{02}	22	0.083	0.007
r_{02}	23	0.07	0.013
r_{02}	24	0.067	0.015

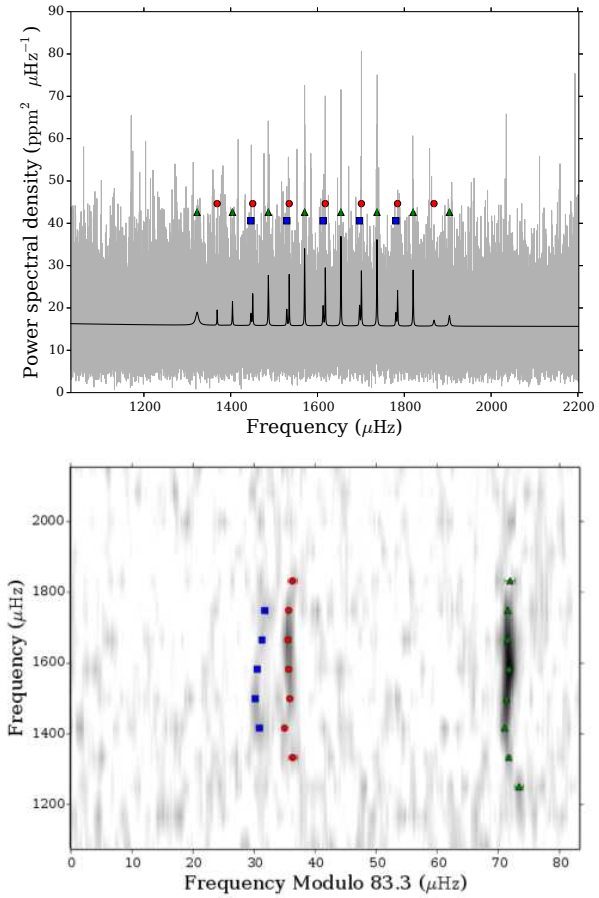

Figure A47. Power spectrum and echelle diagram for KIC 8349582. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.17 8349582

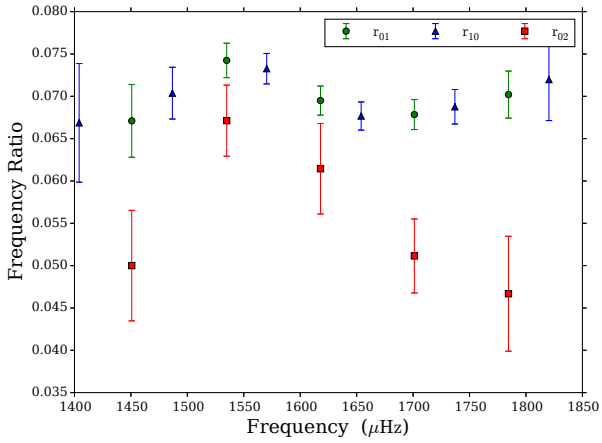

Figure A48. Ratios and 67% confidence intervals as a function of frequency for KIC 8349582.

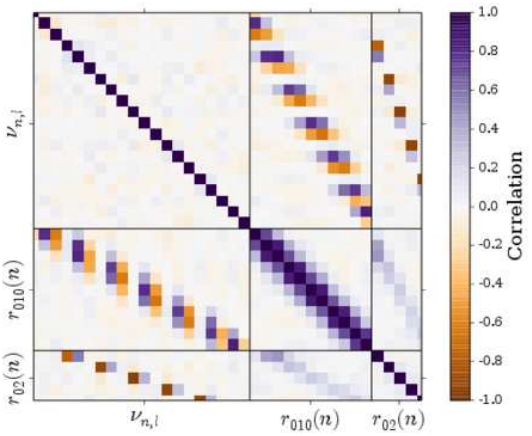

Figure A49. Correlation matrix of all frequencies and ratios for KIC 8349582. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A32. Mode frequencies and statistics for KIC 8349582.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
14	1	1322.53	0.74	> 6
15	0	1368.77	0.71	1.26
15	1	1404.12	0.42	1.42
15	2	1446.6	0.45	0.57
16	0	1450.72	0.36	1.84
16	1	1486.74	0.18	> 6
16	2	1529.23	0.32	0.87
17	0	1534.84	0.16	2.33
17	1	1570.3	0.12	> 6
17	2	1612.81	0.42	0.19
18	0	1617.95	0.14	2.86
18	1	1653.98	0.12	> 6
18	2	1696.88	0.34	0.49
19	0	1701.13	0.14	3.3
19	1	1737.04	0.14	> 6
19	2	1780.62	0.53	0.22
20	0	1784.5	0.23	2.94
20	1	1820.37	0.18	> 6
21	0	1868.42	0.8	1.14
21	1	1904.01	0.84	1.53

Table A33. Ratios for KIC 8349582.

Ratio type	n	Ratio	68% credible interval
r_{10}	15	0.067	0.007
r_{01}	16	0.067	0.004
r_{10}	16	0.07	0.003
r_{01}	17	0.074	0.002
r_{10}	17	0.073	0.002
r_{01}	18	0.069	0.002
r_{10}	18	0.068	0.002
r_{01}	19	0.068	0.002
r_{10}	19	0.069	0.002
r_{01}	20	0.07	0.003
r_{10}	20	0.072	0.005
r_{02}	16	0.05	0.007
r_{02}	17	0.067	0.004
r_{02}	18	0.061	0.005
r_{02}	19	0.051	0.004
r_{02}	20	0.047	0.007

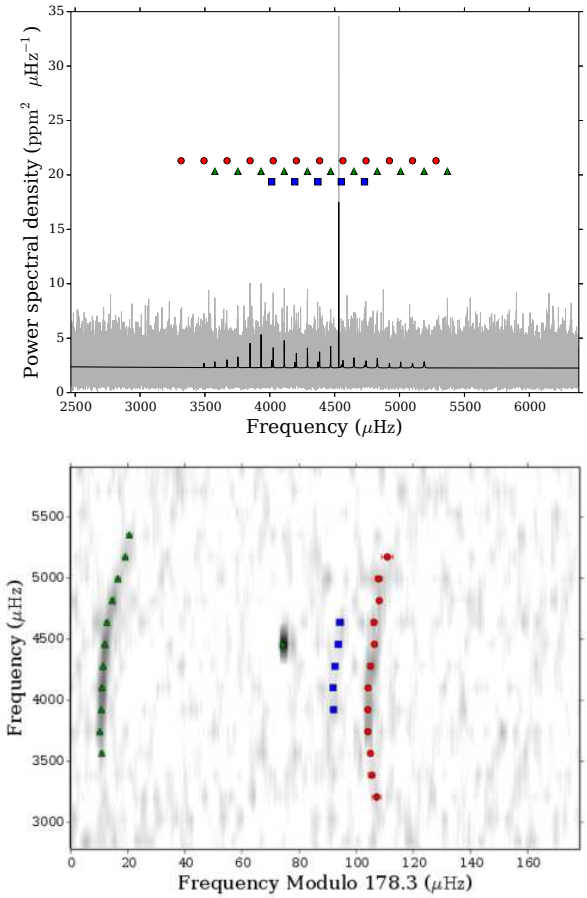

Figure A50. Power spectrum and echelle diagram for KIC 8478994. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.18 8478994

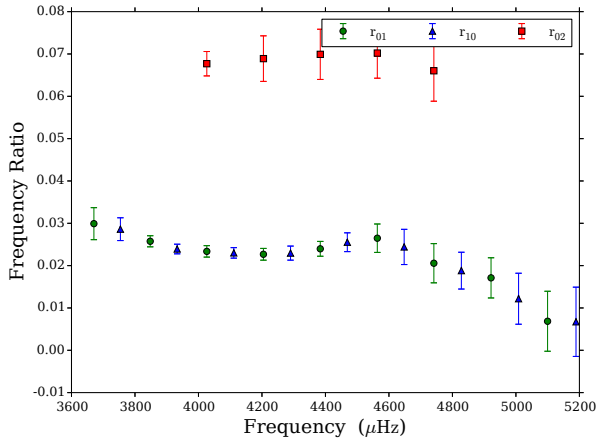

Figure A51. Ratios and 67% confidence intervals as a function of frequency for KIC 8478994.

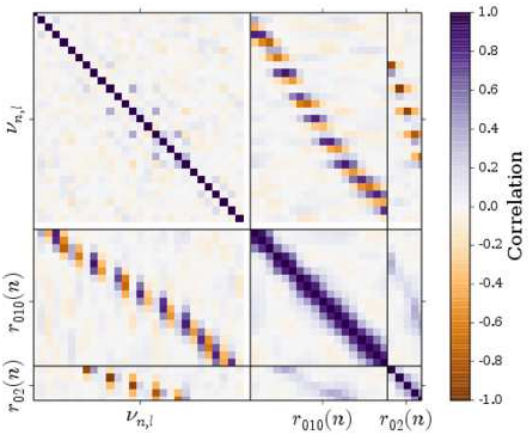

Figure A52. Correlation matrix of all frequencies and ratios for KIC 8478994. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A34. Mode frequencies and statistics for KIC 8478994.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
19	0	3316.21	1.61	1.0
20	0	3492.73	1.16	0.93
20	1	3576.49	0.55	1.39
21	0	3670.58	0.71	0.99
21	1	3754.12	0.34	> 6
22	0	3847.98	0.13	> 6
22	1	3932.91	0.15	> 6
22	2	4014.21	0.46	1.07
23	0	4026.26	0.27	2.97
23	1	4111.32	0.15	> 6
23	2	4192.3	0.92	0.1
24	0	4204.63	0.22	2.58
24	1	4290.03	0.29	> 6
24	2	4371.23	1.03	0.17
25	0	4383.7	0.33	3.24
25	1	4468.93	0.22	> 6
25	2	4550.79	1.03	-0.02
26	0	4563.4	0.67	1.58
26	1	4647.97	0.61	> 6
26	2	4729.63	1.24	-0.03
27	0	4741.53	0.95	2.21
27	1	4828.17	0.6	> 6
28	0	4921.64	0.82	1.43
28	1	5008.38	0.82	1.42
29	0	5099.72	1.33	2.66
29	1	5189.28	0.83	1.67
30	0	5281.02	2.15	0.87
30	1	5368.96	0.89	1.05

Table A35. Ratios for KIC 8478994.

Ratio type	n	Ratio	68% credible interval
r_{01}	21	0.03	0.004
r_{10}	21	0.029	0.003
r_{01}	22	0.026	0.001
r_{10}	22	0.024	0.001
r_{01}	23	0.023	0.001
r_{10}	23	0.023	0.001
r_{01}	24	0.023	0.001
r_{10}	24	0.023	0.002
r_{01}	25	0.024	0.002
r_{10}	25	0.026	0.002
r_{01}	26	0.026	0.003
r_{10}	26	0.024	0.004
r_{01}	27	0.021	0.005
r_{10}	27	0.019	0.004
r_{01}	28	0.017	0.005
r_{10}	28	0.012	0.006
r_{01}	29	0.007	0.007
r_{10}	29	0.007	0.008
r_{02}	23	0.068	0.003
r_{02}	24	0.069	0.005
r_{02}	25	0.07	0.006
r_{02}	26	0.07	0.006
r_{02}	27	0.066	0.007

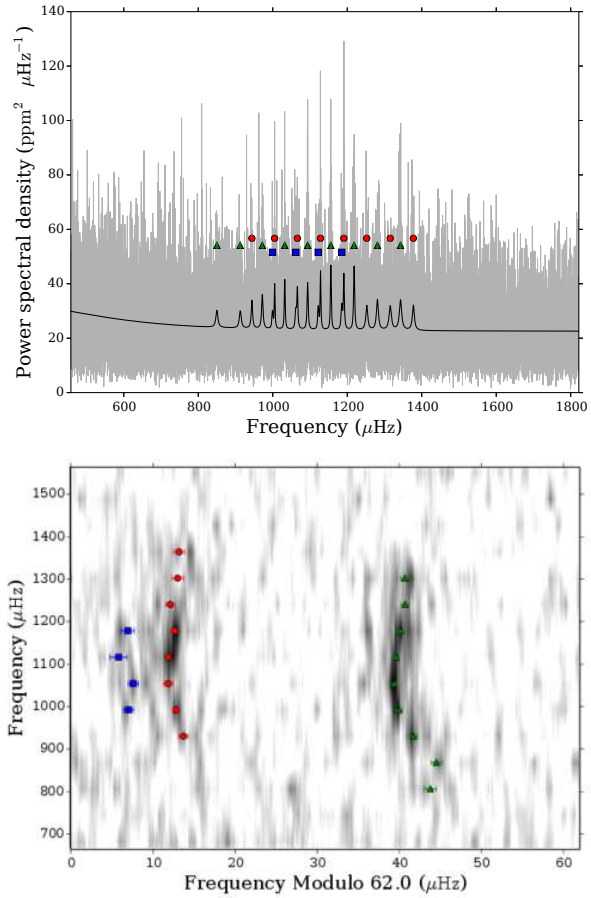

Figure A53. Power spectrum and echelle diagram for KIC 8494142. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.19 8494142

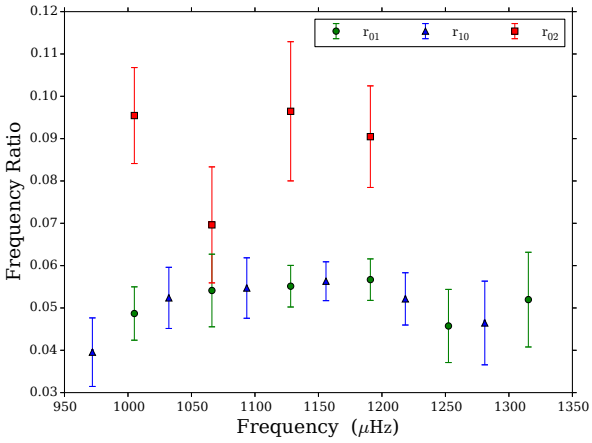

Figure A54. Ratios and 67% confidence intervals as a function of frequency for KIC 8494142.

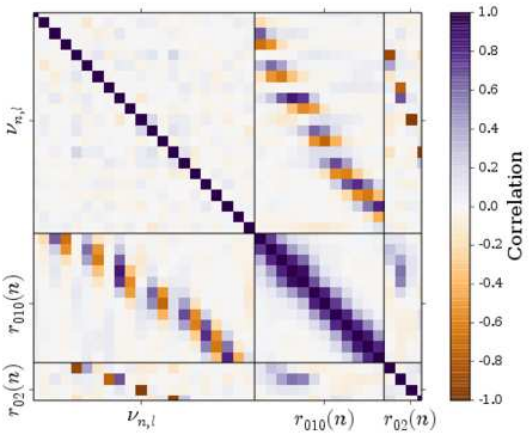

Figure A55. Correlation matrix of all frequencies and ratios for KIC 8494142. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A36. Mode frequencies and statistics for KIC 8494142.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	1	849.99	0.76	1.93
14	1	912.73	0.66	> 6
15	0	943.94	0.6	2.02
15	1	971.97	0.44	> 6
15	2	999.26	0.63	0.85
16	0	1005.02	0.28	3.01
16	1	1032.19	0.36	> 6
16	2	1061.83	0.6	1.63
17	0	1066.1	0.59	3.15
17	1	1093.57	0.36	> 6
17	2	1122.08	1.03	1.53
18	0	1128.12	0.24	3.93
18	1	1155.94	0.3	> 6
18	2	1185.22	0.73	> 6
19	0	1190.89	0.28	> 6
19	1	1218.43	0.29	> 6
20	0	1252.4	0.54	2.9
20	1	1281.0	0.51	2.47
21	0	1315.31	0.75	2.18
21	1	1342.99	0.55	> 6
22	0	1377.49	0.65	3.2

Table A37. Ratios for KIC 8494142.

Ratio type	n	Ratio	68% credible interval
r_{10}	15	0.04	0.008
r_{01}	16	0.049	0.006
r_{10}	16	0.052	0.007
r_{01}	17	0.054	0.009
r_{10}	17	0.055	0.007
r_{01}	18	0.055	0.005
r_{10}	18	0.056	0.005
r_{01}	19	0.057	0.005
r_{10}	19	0.052	0.006
r_{01}	20	0.046	0.009
r_{10}	20	0.046	0.01
r_{01}	21	0.052	0.011
r_{02}	16	0.095	0.011
r_{02}	17	0.07	0.014
r_{02}	18	0.096	0.016
r_{02}	19	0.09	0.012

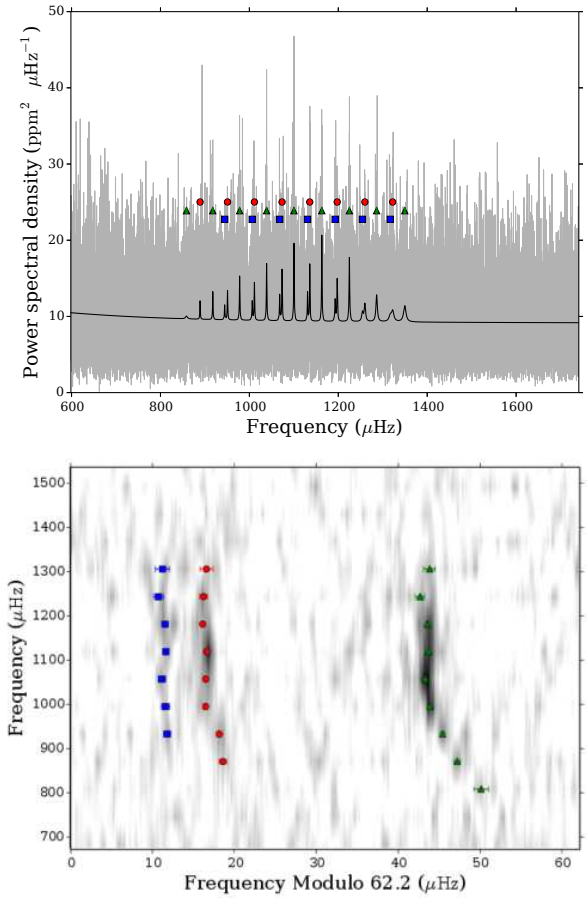

Figure A56. Power spectrum and echelle diagram for KIC 8554498. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.20 8554498

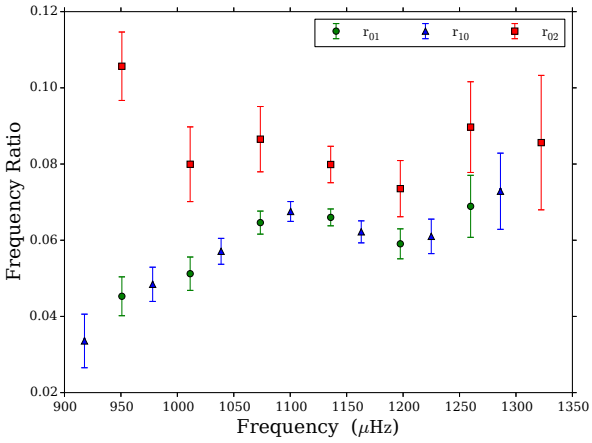

Figure A57. Ratios and 67% confidence intervals as a function of frequency for KIC 8554498.

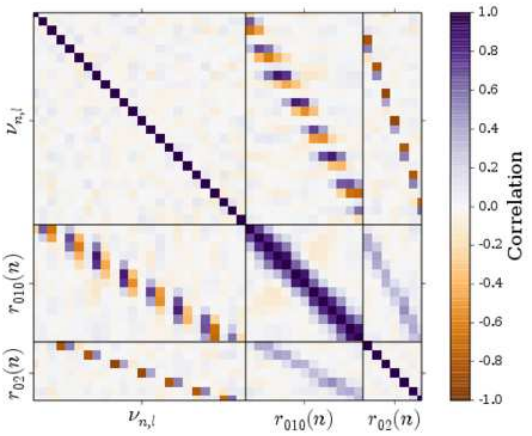

Figure A58. Correlation matrix of all frequencies and ratios for KIC 8554498. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A38. Mode frequencies and statistics for KIC 8554498.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	1	858.46	0.9	1.46148055213
13	0	889.1	0.47	1.25317679976
13	1	917.72	0.38	2.32886725415
13	2	944.46	0.44	0.768006877931
14	0	950.84	0.3	2.99602555427
14	1	978.11	0.2	2.89941107311
14	2	1006.44	0.52	-0.172803622598
15	0	1011.34	0.33	3.13144959404
15	1	1038.75	0.14	3.93980605899
15	2	1068.19	0.47	0.531822771261
16	0	1073.52	0.23	3.31355771105
16	1	1100.35	0.12	4.28855218519
16	2	1130.85	0.27	1.09445490339
17	0	1135.85	0.13	4.09598958677
17	1	1162.92	0.13	4.20627269067
17	2	1192.94	0.38	2.03101625621
18	0	1197.53	0.29	3.88062619201
18	1	1224.96	0.16	4.12411412731
18	2	1254.31	0.59	1.03625592511
19	0	1259.82	0.47	3.26298520248
19	1	1286.26	0.57	2.63852220956
19	2	1316.96	0.85	0.546199079961
20	0	1322.34	0.78	2.58950211922
20	1	1349.61	0.71	2.20229920263

Table A39. Ratios for KIC 8554498.

Ratio type	n	Ratio	68% credible interval
r_{10}	13	0.034	0.007
r_{01}	14	0.045	0.005
r_{10}	14	0.048	0.004
r_{01}	15	0.051	0.004
r_{10}	15	0.057	0.003
r_{01}	16	0.065	0.003
r_{10}	16	0.068	0.003
r_{01}	17	0.066	0.002
r_{10}	17	0.062	0.003
r_{01}	18	0.059	0.004
r_{10}	18	0.061	0.005
r_{01}	19	0.069	0.008
r_{10}	19	0.073	0.01
r_{02}	14	0.106	0.009
r_{02}	15	0.08	0.01
r_{02}	16	0.087	0.009
r_{02}	17	0.08	0.005
r_{02}	18	0.074	0.007
r_{02}	19	0.09	0.012
r_{02}	20	0.086	0.018

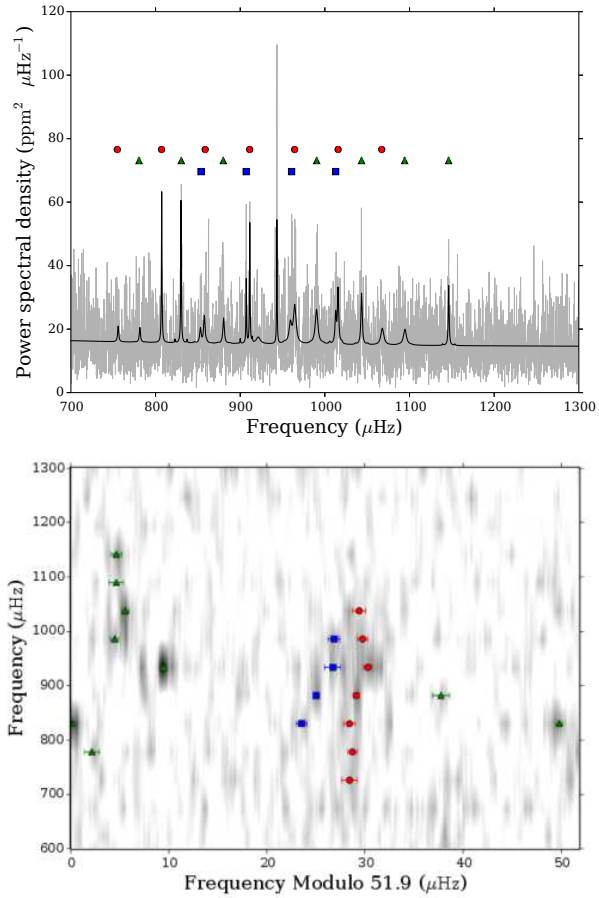

Figure A59. Power spectrum and echelle diagram for KIC 8684730. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.21 8684730

Table A40. Mode frequencies and statistics for KIC 8684730.

n	l	Frequency (μHz)	68% credible (μHz)
13	0	754.85	0.78
13	1	780.48	0.78
14	0	807.04	0.49
14	1	830.41	0.22
14	2	853.74	0.55
15	0	858.63	0.63
15	1	880.01	0.35
15	2	907.1	0.29
16	0	911.19	0.34
16(01)	1	919.83	0.86
16(02)	1	943.45	0.18
16	2	960.68	0.81
17	0	964.26	0.41
17	1	990.35	0.43
17	2	1012.72	0.59
18	0	1015.62	0.53
18	1	1043.32	0.36
19	0	1067.15	0.68
19	1	1094.28	0.74
20	1	1146.17	0.56

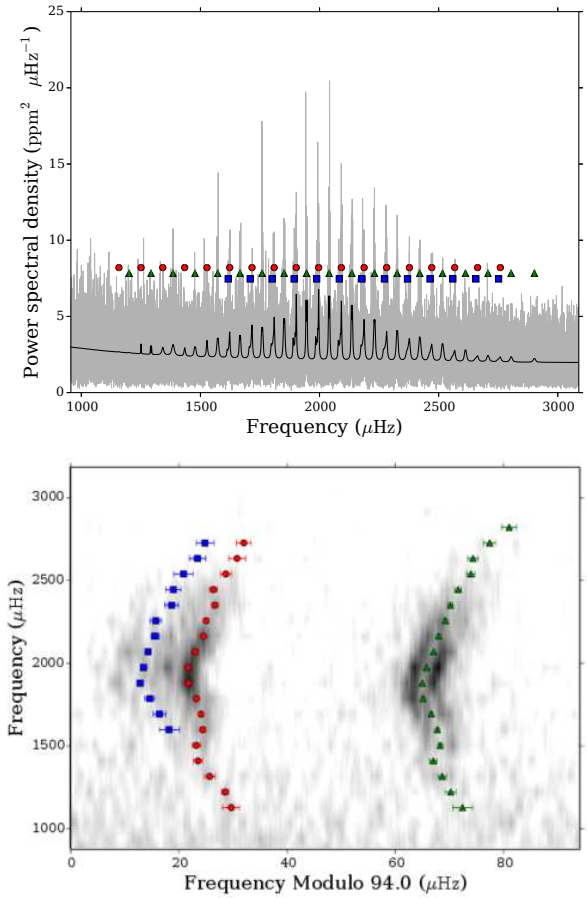

Figure A60. Power spectrum and echelle diagram for KIC 8866102. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.22 8866102

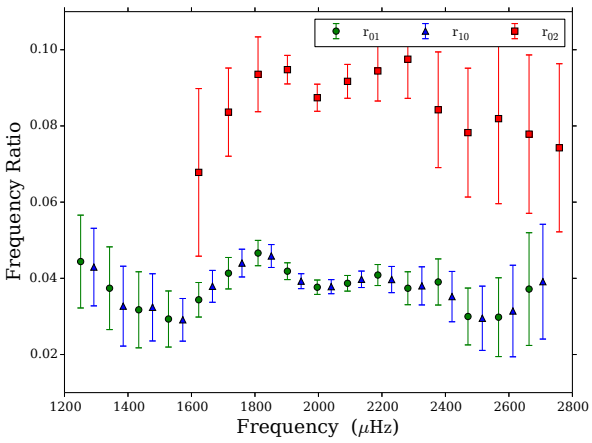

Figure A61. Ratios and 67% confidence intervals as a function of frequency for KIC 8866102.

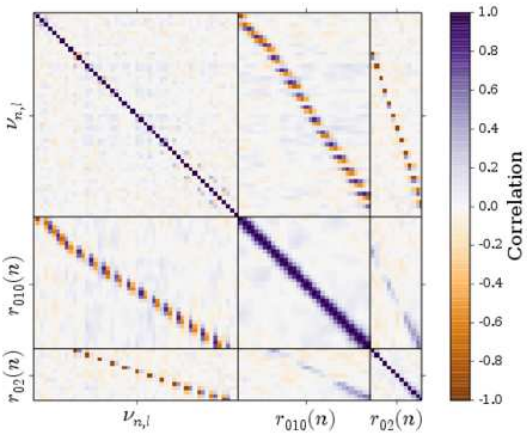

Figure A62. Correlation matrix of all frequencies and ratios for KIC 8866102. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A41. Mode frequencies and statistics for KIC 8866102.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	0	1157.94	1.54	1.31
12	1	1200.69	1.83	0.78
13	0	1250.85	0.64	1.67
13	1	1292.54	1.04	0.98
14	0	1342.01	0.99	1.97
14	1	1384.97	0.8	2.92
15	0	1433.9	0.9	2.05
15	1	1477.37	0.72	2.71
16	0	1527.6	0.76	2.75
16	1	1572.65	0.41	4.32
16	2	1616.62	1.83	1.66
17	0	1622.83	0.49	4.12
17	1	1666.17	0.33	4.29
17	2	1708.85	1.14	2.07
18	0	1716.53	0.46	4.03
18	1	1759.08	0.25	> 6
18	2	1801.07	0.93	2.97
19	0	1809.7	0.3	5.03
19	1	1851.54	0.24	> 6
19	2	1893.33	0.35	> 6
20	0	1902.23	0.16	> 6
20	1	1945.44	0.17	> 6
20	2	1987.96	0.31	> 6
21	0	1996.26	0.18	> 6
21	1	2040.26	0.15	> 6
21	2	2082.87	0.44	4.03
22	0	2091.61	0.21	5.81
22	1	2135.6	0.17	> 6
22	2	2178.14	0.76	> 6
23	0	2187.09	0.26	> 6
23	1	2230.57	0.31	> 6
23	2	2272.35	1.05	> 6
24	0	2281.62	0.44	> 6
24	1	2325.82	0.35	> 6
24	2	2369.29	1.26	2.15
25	0	2377.25	0.6	4.95
25	1	2420.77	0.47	> 6
25	2	2463.65	1.4	1.89
26	0	2471.04	0.73	4.42
26	1	2516.23	0.64	4.25
26	2	2559.51	1.8	0.91
27	0	2567.35	1.06	3.38
27	1	2612.61	0.84	3.65
27	2	2656.14	1.46	0.13
28	0	2663.44	1.54	2.21
28	1	2707.02	1.0	2.69
28	2	2751.54	1.66	-0.32
29	0	2758.71	1.37	1.19
29	1	2804.13	1.1	2.17
30	1	2901.76	1.36	1.66

Table A42. Ratios for KIC 8866102.

Ratio type	n	Ratio	68% credible interval
r_{01}	13	0.044	0.012
r_{10}	13	0.043	0.01
r_{01}	14	0.037	0.011
r_{10}	14	0.033	0.01
r_{01}	15	0.032	0.01
r_{10}	15	0.032	0.009
r_{01}	16	0.029	0.007
r_{10}	16	0.029	0.006
r_{01}	17	0.034	0.005
r_{10}	17	0.038	0.004
r_{01}	18	0.041	0.004
r_{10}	18	0.044	0.004
r_{01}	19	0.047	0.003
r_{10}	19	0.046	0.003
r_{01}	20	0.042	0.002
r_{10}	20	0.039	0.002
r_{01}	21	0.038	0.002
r_{10}	21	0.038	0.002
r_{01}	22	0.039	0.002
r_{10}	22	0.04	0.002
r_{01}	23	0.041	0.003
r_{10}	23	0.04	0.003
r_{01}	24	0.037	0.004
r_{10}	24	0.038	0.005
r_{01}	25	0.039	0.006
r_{10}	25	0.035	0.007
r_{01}	26	0.03	0.007
r_{10}	26	0.03	0.008
r_{01}	27	0.03	0.01
r_{10}	27	0.031	0.012
r_{01}	28	0.037	0.015
r_{10}	28	0.039	0.015
r_{02}	17	0.068	0.022
r_{02}	18	0.084	0.012
r_{02}	19	0.094	0.01
r_{02}	20	0.095	0.004
r_{02}	21	0.087	0.004
r_{02}	22	0.092	0.004
r_{02}	23	0.094	0.008
r_{02}	24	0.098	0.01
r_{02}	25	0.084	0.015
r_{02}	26	0.078	0.017
r_{02}	27	0.082	0.022
r_{02}	28	0.078	0.021
r_{02}	29	0.074	0.022

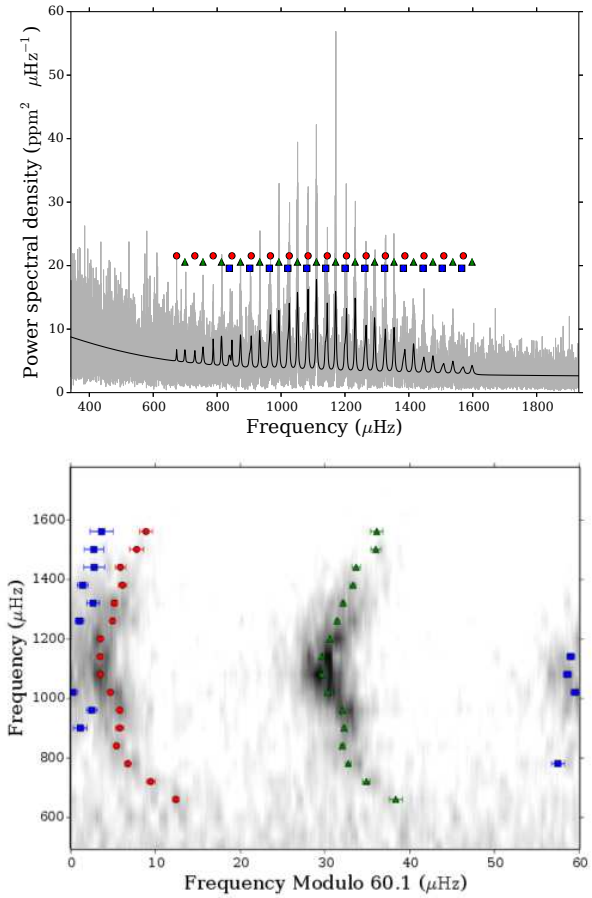

Figure A63. Power spectrum and echelle diagram for KIC 9414417. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.23 9414417

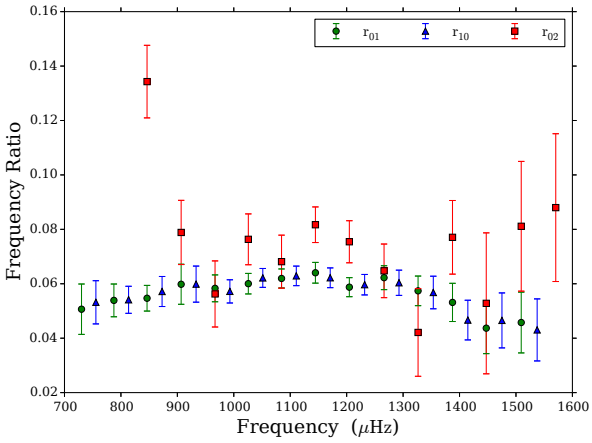

Figure A64. Ratios and 67% confidence intervals as a function of frequency for KIC 9414417.

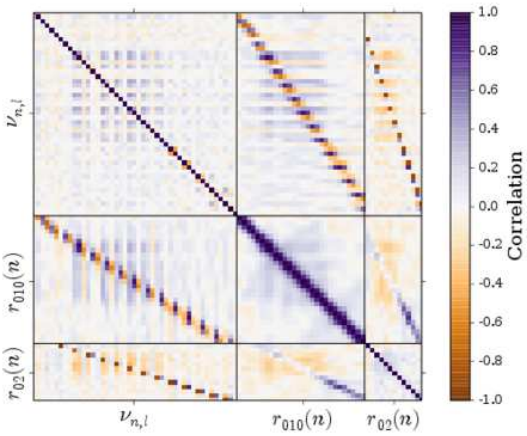

Figure A65. Correlation matrix of all frequencies and ratios for KIC 9414417. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A43. Mode frequencies and statistics for KIC 9414417.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
11	0	673.08	0.37	> 6
11	1	699.03	0.75	1.51
12	0	730.17	0.5	> 6
12	1	755.64	0.45	> 6
13	0	787.55	0.3	> 6
13	1	813.55	0.28	> 6
13	2	838.28	0.76	1.91
14	0	846.28	0.24	4.06
14	1	872.92	0.26	> 6
14	2	902.06	0.8	> 6
15	0	906.71	0.53	> 6
15	1	933.19	0.23	> 6
15	2	963.47	0.62	> 6
16	0	966.77	0.28	> 6
16	1	993.07	0.18	> 6
16	2	1021.29	0.56	> 6
17	0	1025.75	0.23	> 6
17	1	1051.38	0.16	> 6
17	2	1080.58	0.55	> 6
18	0	1084.6	0.21	> 6
18	1	1110.76	0.15	> 6
18	2	1139.73	0.45	> 6
19	0	1144.63	0.24	> 6
19	1	1170.84	0.15	> 6
19	2	1200.16	0.47	> 6
20	0	1204.75	0.21	> 6
20	1	1231.84	0.15	> 6
20	2	1262.35	0.55	> 6
21	0	1266.24	0.3	> 6
21	1	1292.74	0.23	> 6
21	2	1323.99	0.76	> 6
22	0	1326.52	0.35	> 6
22	1	1353.52	0.24	> 6
22	2	1382.83	0.62	> 6
23	0	1387.54	0.52	> 6
23	1	1414.73	0.32	> 6
23	2	1444.25	1.22	> 6
24	0	1447.35	0.64	> 6
24	1	1475.17	0.48	> 6
24	2	1504.28	1.13	1.42
25	0	1509.32	0.82	4.11
25	1	1537.54	0.61	> 6
25	2	1565.26	1.36	0.72
26	0	1570.5	0.78	3.53
26	1	1597.72	0.73	2.75

Table A44. Ratios for KIC 9414417.

Ratio type	n	Ratio	68% credible interval
r_{01}	12	0.051	0.009
r_{10}	12	0.053	0.008
r_{01}	13	0.054	0.006
r_{10}	13	0.054	0.005
r_{01}	14	0.055	0.005
r_{10}	14	0.057	0.006
r_{01}	15	0.06	0.007
r_{10}	15	0.06	0.007
r_{01}	16	0.058	0.005
r_{10}	16	0.057	0.004
r_{01}	17	0.06	0.004
r_{10}	17	0.062	0.003
r_{01}	18	0.062	0.003
r_{10}	18	0.063	0.004
r_{01}	19	0.064	0.004
r_{10}	19	0.062	0.004
r_{01}	20	0.059	0.003
r_{10}	20	0.06	0.004
r_{01}	21	0.062	0.004
r_{10}	21	0.06	0.005
r_{01}	22	0.057	0.005
r_{10}	22	0.057	0.006
r_{01}	23	0.053	0.007
r_{10}	23	0.047	0.007
r_{01}	24	0.044	0.009
r_{10}	24	0.047	0.01
r_{01}	25	0.046	0.011
r_{10}	25	0.043	0.011
r_{02}	14	0.134	0.013
r_{02}	15	0.079	0.012
r_{02}	16	0.056	0.012
r_{02}	17	0.076	0.009
r_{02}	18	0.068	0.01
r_{02}	19	0.082	0.007
r_{02}	20	0.075	0.008
r_{02}	21	0.065	0.01
r_{02}	22	0.042	0.016
r_{02}	23	0.077	0.014
r_{02}	24	0.053	0.026
r_{02}	25	0.081	0.024
r_{02}	26	0.088	0.027

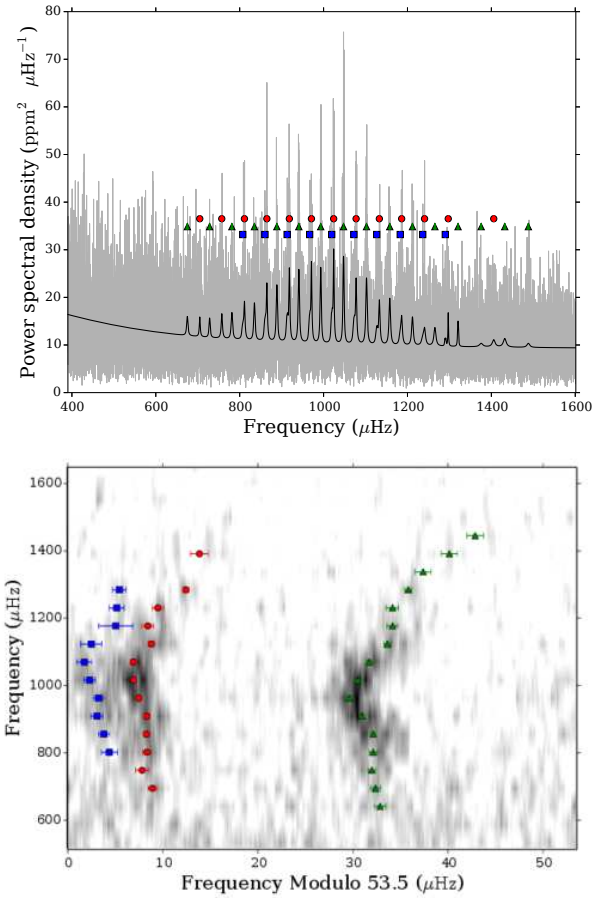

Figure A66. Power spectrum and echelle diagram for KIC 9592705. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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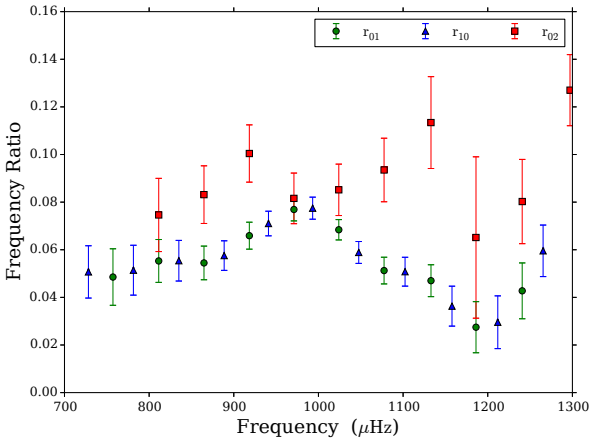

Figure A67. Ratios and 67% confidence intervals as a function of frequency for KIC 9592705.

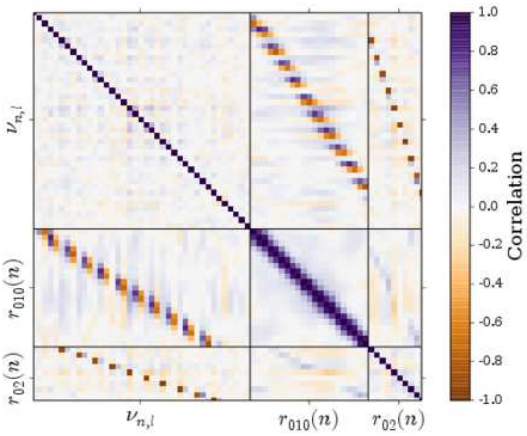

Figure A68. Correlation matrix of all frequencies and ratios for KIC 9592705. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A45. Mode frequencies and statistics for KIC 9592705.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
12	1	675.21	0.6	1.67
13	0	704.81	0.49	2.36
13	1	728.28	0.51	1.48
14	0	757.25	0.68	1.2
14	1	781.41	0.43	2.62
14	2	807.34	0.84	0.01
15	0	811.31	0.43	3.54
15	1	835.09	0.43	> 6
15	2	860.31	0.6	0.98
16	0	864.78	0.34	3.81
16	1	888.63	0.27	> 6
16	2	913.1	0.64	> 6
17	0	918.36	0.32	> 6
17	1	940.98	0.23	> 6
17	2	966.8	0.51	> 6
18	0	971.04	0.24	> 6
18	1	993.16	0.22	> 6
18	2	1019.39	0.61	> 6
19	0	1024.04	0.21	> 6
19	1	1047.59	0.21	> 6
19	2	1072.37	0.78	> 6
20	0	1077.52	0.29	> 6
20	1	1102.32	0.28	> 6
20	2	1126.63	1.12	1.72
21	0	1132.95	0.35	4.42
21	1	1157.77	0.38	> 6
21	2	1182.74	1.79	0.32
22	0	1186.11	0.62	3.71
22	1	1211.85	0.56	> 6
22	2	1236.38	0.78	-0.36
23	0	1240.7	0.59	3.1
23	1	1265.38	0.66	1.89
23	2	1290.17	0.71	0.99
24	0	1297.17	0.29	2.96
24	1	1320.56	0.34	> 6
25	1	1375.65	0.87	0.84
26	0	1405.66	0.93	1.63
26	1	1431.95	0.86	1.3
27	1	1488.19	0.87	1.51

Table A46. Ratios for KIC 9592705.

Ratio type	n	Ratio	68% credible interval
r_{10}	13	0.051	0.011
r_{01}	14	0.049	0.012
r_{10}	14	0.051	0.01
r_{01}	15	0.055	0.009
r_{10}	15	0.055	0.009
r_{01}	16	0.054	0.007
r_{10}	16	0.058	0.006
r_{01}	17	0.066	0.006
r_{10}	17	0.071	0.005
r_{01}	18	0.077	0.005
r_{10}	18	0.077	0.005
r_{01}	19	0.068	0.004
r_{10}	19	0.059	0.005
r_{01}	20	0.051	0.006
r_{10}	20	0.051	0.006
r_{01}	21	0.047	0.007
r_{10}	21	0.036	0.008
r_{01}	22	0.027	0.011
r_{10}	22	0.03	0.011
r_{01}	23	0.043	0.012
r_{10}	23	0.06	0.011
r_{02}	15	0.075	0.015
r_{02}	16	0.083	0.012
r_{02}	17	0.1	0.012
r_{02}	18	0.082	0.011
r_{02}	19	0.085	0.011
r_{02}	20	0.093	0.013
r_{02}	21	0.113	0.019
r_{02}	22	0.065	0.034
r_{02}	23	0.08	0.018
r_{02}	24	0.127	0.015

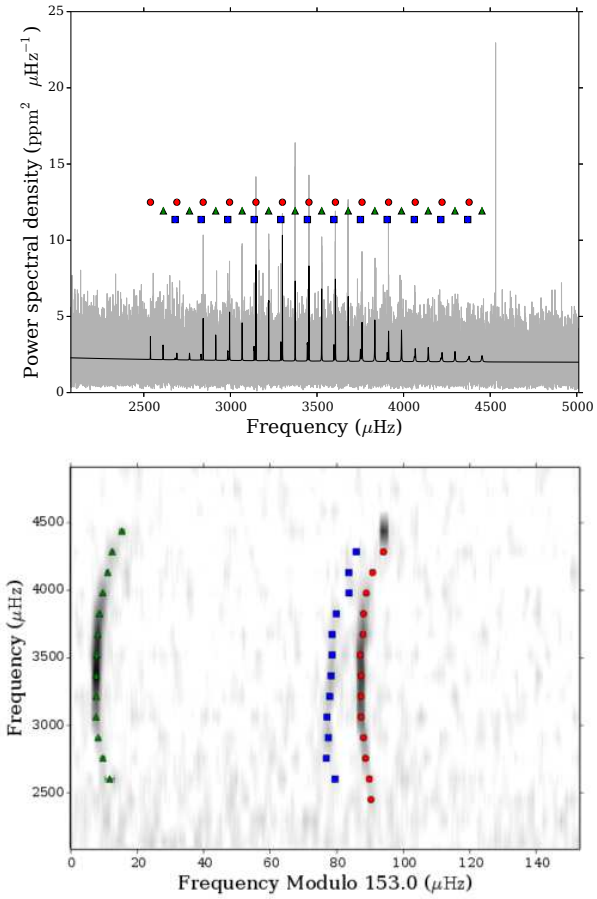

Figure A69. Power spectrum and echelle diagram for KIC 9955598. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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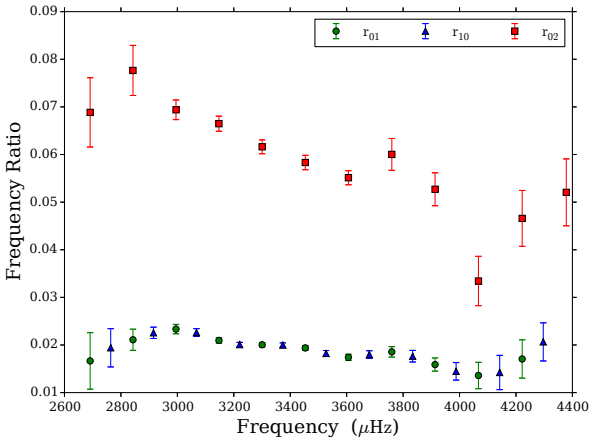

Figure A70. Ratios and 67% confidence intervals as a function of frequency for KIC 9955598.

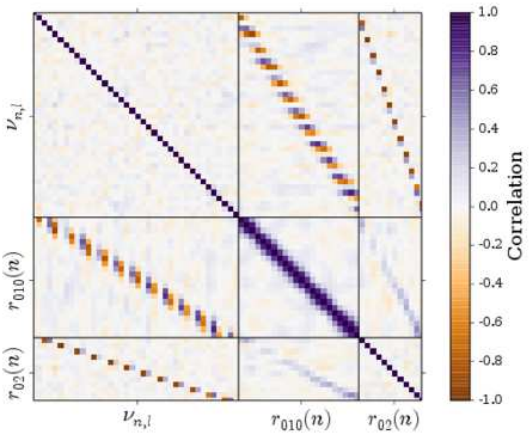

Figure A71. Correlation matrix of all frequencies and ratios for KIC 9955598. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A47. Mode frequencies and statistics for KIC 9955598.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
16	0	2538.38	0.62	> 6
16	1	2612.88	1.36	1.14
16	2	2680.56	0.88	-0.32
17	0	2690.91	0.69	1.37
17	1	2763.82	0.62	1.07
17	2	2830.98	0.79	0.17
18	0	2842.77	0.09	3.1
18	1	2915.43	0.18	> 6
18	2	2984.62	0.3	> 6
19	0	2995.18	0.13	> 6
19	1	3067.76	0.13	> 6
19	2	3137.26	0.24	> 6
20	0	3147.43	0.06	> 6
20	1	3220.88	0.08	> 6
20	2	3291.0	0.21	> 6
21	0	3300.43	0.06	> 6
21	1	3373.86	0.07	> 6
21	2	3444.52	0.22	> 6
22	0	3453.45	0.07	> 6
22	1	3527.04	0.1	> 6
22	2	3597.79	0.21	2.05
23	0	3606.23	0.09	4.57
23	1	3680.34	0.09	> 6
23	2	3750.82	0.47	> 6
24	0	3760.03	0.18	> 6
24	1	3833.87	0.16	> 6
24	2	3905.1	0.47	1.6
25	0	3913.24	0.21	3.77
25	1	3987.88	0.21	> 6
25	2	4061.91	0.74	0.36
26	0	4067.08	0.41	3.04
26	1	4142.35	0.49	2.46
26	2	4214.82	0.72	0.23
27	0	4222.0	0.71	2.0
27	1	4296.72	0.49	2.86
27	2	4370.15	0.98	-0.31
28	0	4378.24	0.81	1.91
28	1	4452.64	0.74	1.88

Table A48. Ratios for KIC 9955598.

Ratio type	n	Ratio	68% credible interval
r_{01}	17	0.017	0.006
r_{10}	17	0.019	0.004
r_{01}	18	0.021	0.002
r_{10}	18	0.023	0.001
r_{01}	19	0.023	0.001
r_{10}	19	0.023	0.001
r_{01}	20	0.021	0.001
r_{10}	20	0.02	0.0
r_{01}	21	0.02	0.0
r_{10}	21	0.02	0.0
r_{01}	22	0.019	0.001
r_{10}	22	0.018	0.001
r_{01}	23	0.017	0.001
r_{10}	23	0.018	0.001
r_{01}	24	0.019	0.001
r_{10}	24	0.018	0.001
r_{01}	25	0.016	0.001
r_{10}	25	0.014	0.002
r_{01}	26	0.014	0.003
r_{10}	26	0.014	0.004
r_{01}	27	0.017	0.004
r_{10}	27	0.021	0.004
r_{02}	17	0.069	0.007
r_{02}	18	0.078	0.005
r_{02}	19	0.069	0.002
r_{02}	20	0.066	0.002
r_{02}	21	0.062	0.001
r_{02}	22	0.058	0.002
r_{02}	23	0.055	0.001
r_{02}	24	0.06	0.003
r_{02}	25	0.053	0.003
r_{02}	26	0.033	0.005
r_{02}	27	0.047	0.006
r_{02}	28	0.052	0.007

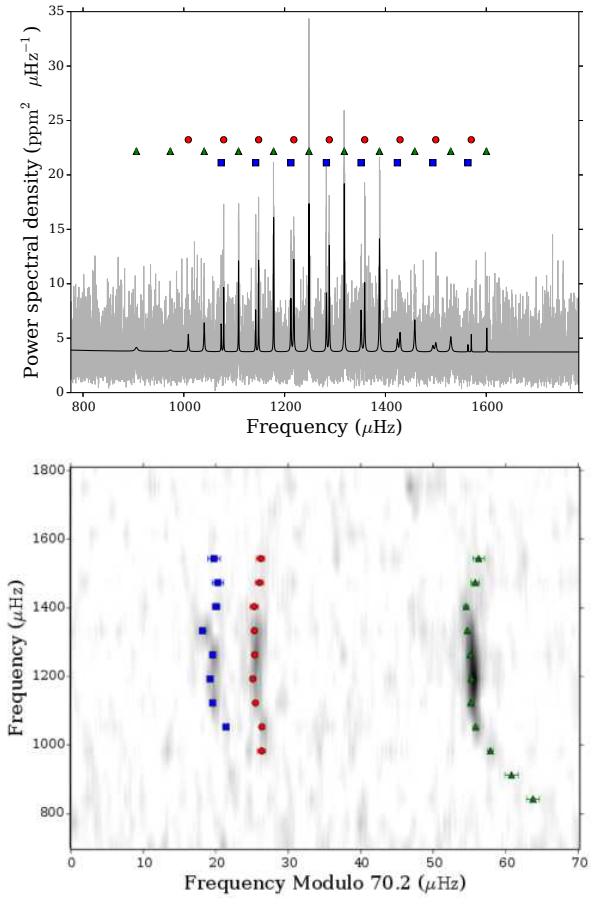

Figure A72. Power spectrum and echelle diagram for KIC 10514430. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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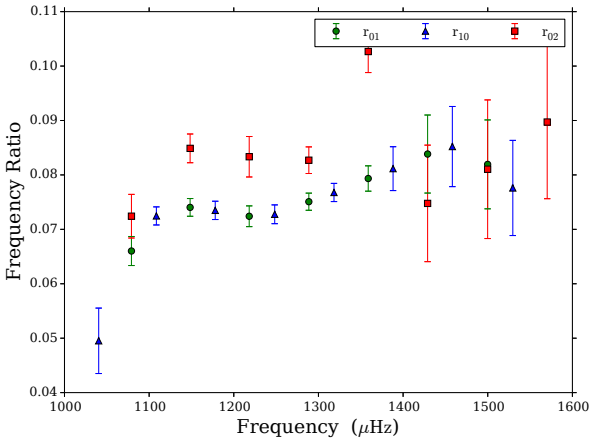

Figure A73. Ratios and 67% confidence intervals as a function of frequency for KIC 10514430.

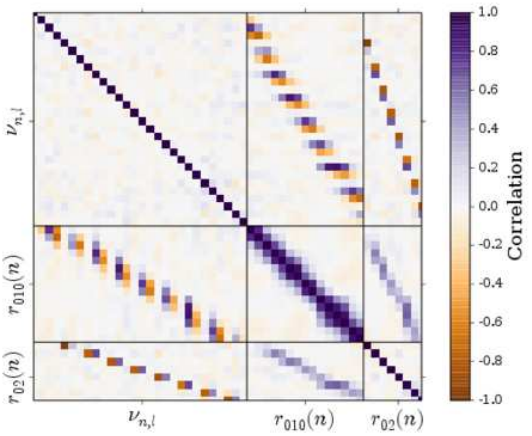

Figure A74. Correlation matrix of all frequencies and ratios for KIC 10514430. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A49. Mode frequencies and statistics for KIC 10514430.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
11	1	905.94	0.89	1.07
12	1	973.15	0.88	1.02
13	0	1008.9	0.59	1.67
13	1	1040.41	0.32	> 6
13	2	1074.16	0.25	0.59
14	0	1079.1	0.1	2.93
14	1	1108.56	0.1	> 6
14	2	1142.49	0.14	> 6
15	0	1148.4	0.12	> 6
15	1	1178.08	0.09	> 6
15	2	1212.36	0.2	> 6
16	0	1218.22	0.15	> 6
16	1	1248.33	0.09	> 6
16	2	1282.85	0.13	> 6
17	0	1288.64	0.11	> 6
17	1	1318.37	0.1	> 6
17	2	1351.64	0.23	> 6
18	0	1358.8	0.15	> 6
18	1	1388.15	0.14	> 6
18	2	1423.71	0.53	0.31
19	0	1428.95	0.57	2.5
19	1	1458.18	0.37	> 6
19	2	1494.11	0.8	-0.38
20	0	1499.87	0.59	1.54
20	1	1529.61	0.61	> 6
20	2	1563.75	0.86	-0.57
21	0	1570.23	0.57	1.13
21	1	1600.26	0.78	1.63

Table A50. Ratios for KIC 10514430.

Ratio type	n	Ratio	68% credible interval
r_{10}	13	0.05	0.006
r_{01}	14	0.066	0.003
r_{10}	14	0.072	0.002
r_{01}	15	0.074	0.002
r_{10}	15	0.073	0.002
r_{01}	16	0.072	0.002
r_{10}	16	0.073	0.002
r_{01}	17	0.075	0.002
r_{10}	17	0.077	0.002
r_{01}	18	0.079	0.002
r_{10}	18	0.081	0.004
r_{01}	19	0.084	0.007
r_{10}	19	0.085	0.007
r_{01}	20	0.082	0.008
r_{10}	20	0.078	0.009
r_{02}	14	0.072	0.004
r_{02}	15	0.085	0.003
r_{02}	16	0.083	0.004
r_{02}	17	0.083	0.002
r_{02}	18	0.103	0.004
r_{02}	19	0.075	0.011
r_{02}	20	0.081	0.013
r_{02}	21	0.09	0.014

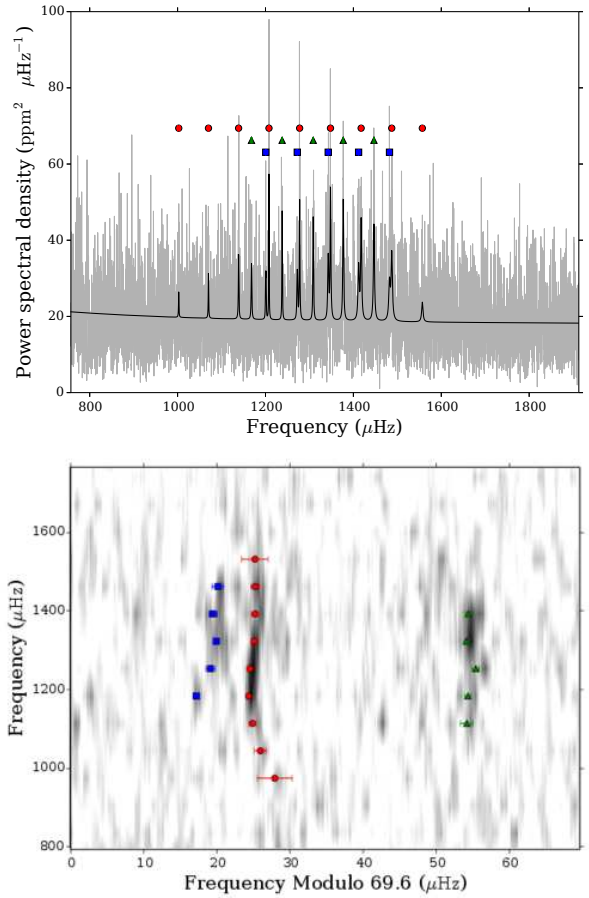

Figure A75. Power spectrum and echelle diagram for KIC 10586004. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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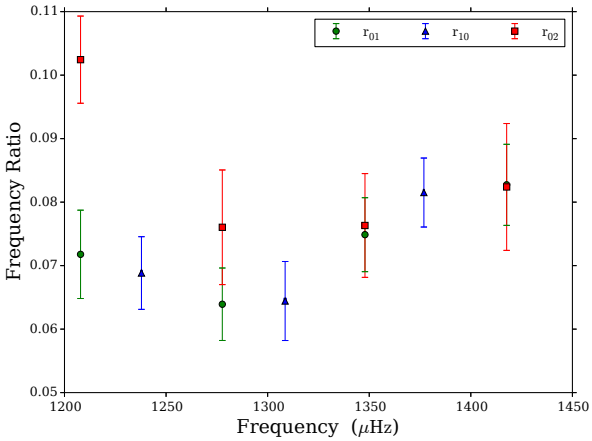

Figure A76. Ratios and 67% confidence intervals as a function of frequency for KIC 10586004.

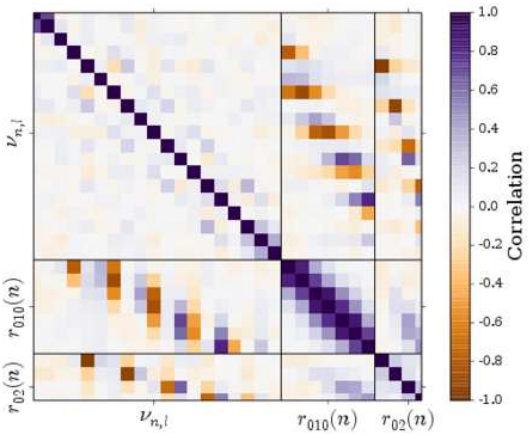

Figure A77. Correlation matrix of all frequencies and ratios for KIC 10586004. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A51. Mode frequencies and statistics for KIC 10586004.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	0	1002.6	2.38	0.91
14	0	1070.26	0.8	0.93
15	0	1138.8	0.48	1.18
15	1	1168.12	0.84	1.38
15	2	1200.72	0.46	0.93
16	0	1207.9	0.18	2.88
16	1	1237.89	0.43	> 6
16	2	1272.3	0.61	> 6
17	0	1277.68	0.25	> 6
17	1	1308.6	0.49	> 6
17	2	1342.7	0.45	> 6
18	0	1347.9	0.37	> 6
18	1	1376.9	0.3	> 6
18	2	1411.86	0.57	> 6
19	0	1417.64	0.49	> 6
19	1	1446.79	0.36	> 6
19	2	1482.17	0.84	> 6
20	0	1487.29	0.6	> 6
21	0	1556.88	1.82	0.8

Table A52. Ratios for KIC 10586004.

Ratio type	n	Ratio	68% credible interval
r_{01}	16	0.072	0.007
r_{10}	16	0.069	0.006
r_{01}	17	0.064	0.006
r_{10}	17	0.064	0.006
r_{01}	18	0.075	0.006
r_{10}	18	0.082	0.005
r_{01}	19	0.083	0.006
r_{02}	16	0.102	0.007
r_{02}	17	0.076	0.009
r_{02}	18	0.076	0.008
r_{02}	19	0.082	0.01

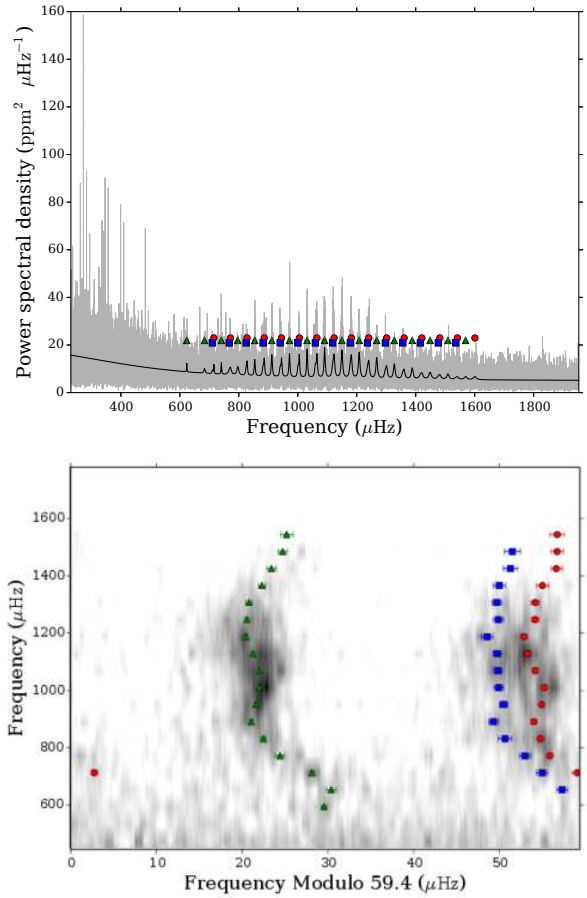

Figure A78. Power spectrum and echelle diagram for KIC 10666592. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.28 10666592

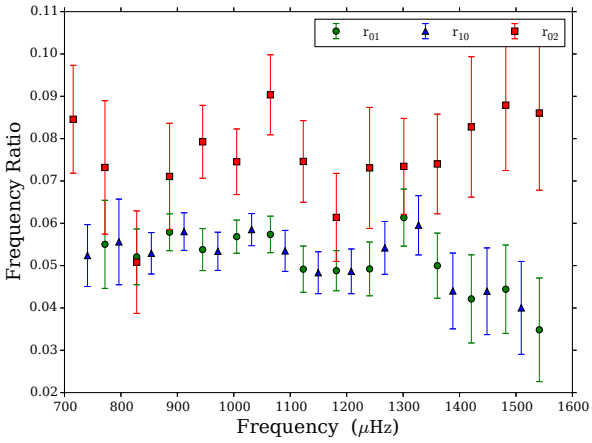

Figure A79. Ratios and 67% confidence intervals as a function of frequency for KIC 10666592.

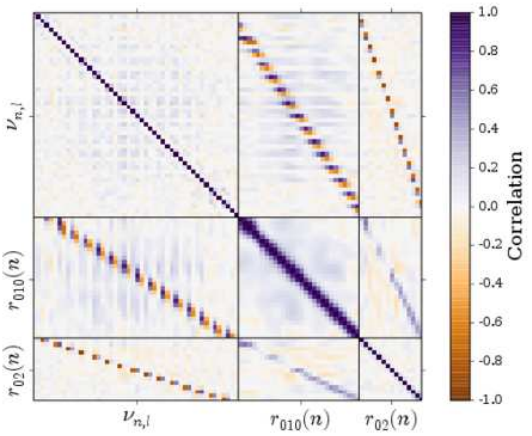

Figure A80. Correlation matrix of all frequencies and ratios for KIC 10666592. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A53. Mode frequencies and statistics for KIC 10666592.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
10	1	623.41	0.33	> 6
11	1	683.64	0.57	1.82
11	2	710.57	0.63	-0.36
12	0	715.39	0.41	1.05
12	1	740.77	0.22	> 6
12	2	767.65	0.66	1.77
13	0	771.71	0.63	3.16
13	1	796.45	0.56	3.16
13	2	825.03	0.64	> 6
14	0	827.92	0.29	> 6
14	1	853.9	0.27	> 6
14	2	882.09	0.75	2.69
15	0	886.19	0.25	4.95
15	1	911.87	0.23	> 6
15	2	940.13	0.52	> 6
16	0	944.83	0.33	> 6
16	1	971.77	0.2	> 6
16	2	1000.68	0.47	> 6
17	0	1005.14	0.24	> 6
17	1	1031.55	0.16	> 6
17	2	1059.5	0.6	> 6
18	0	1064.84	0.27	> 6
18	1	1090.97	0.18	> 6
18	2	1118.81	0.45	> 6
19	0	1123.15	0.39	> 6
19	1	1149.61	0.21	> 6
19	2	1178.12	0.53	> 6
20	0	1181.71	0.27	> 6
20	1	1208.2	0.24	> 6
20	2	1236.32	0.68	> 6
21	0	1240.64	0.41	> 6
21	1	1267.67	0.27	> 6
21	2	1297.0	0.58	> 6
22	0	1301.3	0.43	> 6
22	1	1327.32	0.35	> 6
22	2	1356.21	0.57	2.03
23	0	1360.69	0.47	4.86
23	1	1388.2	0.43	> 6
23	2	1415.9	0.69	1.08
24	0	1420.92	0.73	3.98
24	1	1448.69	0.53	3.52
24	2	1476.58	0.85	-0.17
25	0	1481.93	0.66	3.17
25	1	1509.39	0.54	3.53
25	2	1536.19	0.91	-0.36
26	0	1541.41	0.75	2.36
26	1	1569.24	0.71	1.76
27	0	1600.81	0.83	2.52

Table A54. Ratios for KIC 10666592.

Ratio type	n	Ratio	68% credible interval
r_{10}	12	0.052	0.007
r_{01}	13	0.055	0.01
r_{10}	13	0.056	0.01
r_{01}	14	0.052	0.007
r_{10}	14	0.053	0.005
r_{01}	15	0.058	0.004
r_{10}	15	0.058	0.004
r_{01}	16	0.054	0.005
r_{10}	16	0.053	0.005
r_{01}	17	0.057	0.004
r_{10}	17	0.059	0.004
r_{01}	18	0.057	0.004
r_{10}	18	0.053	0.005
r_{01}	19	0.049	0.005
r_{10}	19	0.048	0.005
r_{01}	20	0.049	0.005
r_{10}	20	0.049	0.005
r_{01}	21	0.049	0.006
r_{10}	21	0.054	0.006
r_{01}	22	0.061	0.007
r_{10}	22	0.06	0.007
r_{01}	23	0.05	0.008
r_{10}	23	0.044	0.009
r_{01}	24	0.042	0.01
r_{10}	24	0.044	0.01
r_{01}	25	0.044	0.01
r_{10}	25	0.04	0.011
r_{01}	26	0.035	0.012
r_{02}	12	0.085	0.013
r_{02}	13	0.073	0.016
r_{02}	14	0.051	0.012
r_{02}	15	0.071	0.013
r_{02}	16	0.079	0.009
r_{02}	17	0.075	0.008
r_{02}	18	0.09	0.009
r_{02}	19	0.075	0.01
r_{02}	20	0.061	0.01
r_{02}	21	0.073	0.014
r_{02}	22	0.073	0.011
r_{02}	23	0.074	0.012
r_{02}	24	0.083	0.017
r_{02}	25	0.088	0.015
r_{02}	26	0.086	0.018

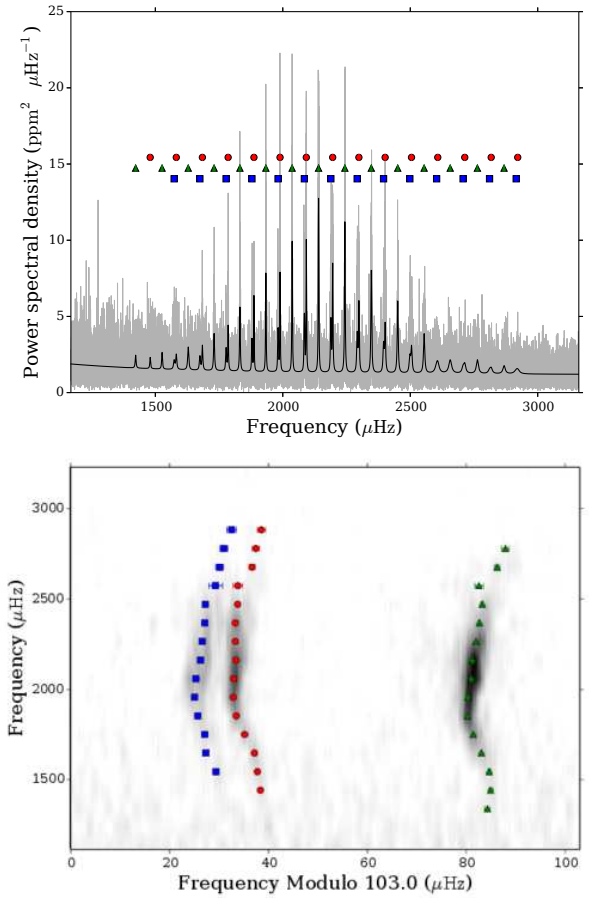

Figure A81. Power spectrum and echelle diagram for KIC 10963065. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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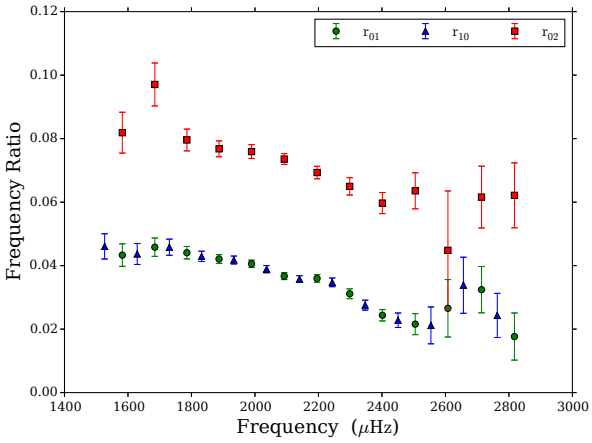

Figure A82. Ratios and 67% confidence intervals as a function of frequency for KIC 10963065.

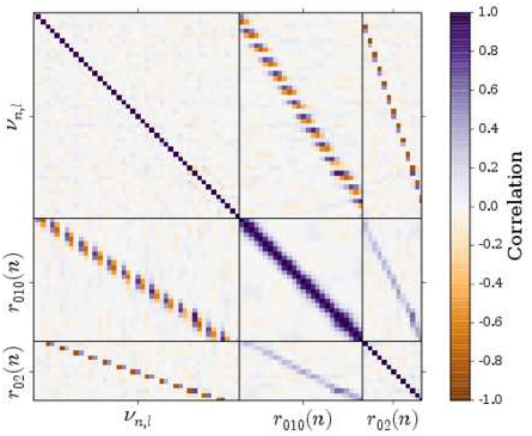

Figure A83. Correlation matrix of all frequencies and ratios for KIC 10963065. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A55. Mode frequencies and statistics for KIC 10963065.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	1	1422.8	0.54	1.34
14	0	1479.85	0.39	> 6
14	1	1526.43	0.4	> 6
14	2	1573.82	0.57	> 6
15	0	1582.21	0.37	> 6
15	1	1629.1	0.33	> 6
15	2	1674.77	0.64	> 6
16	0	1684.59	0.27	> 6
16	1	1730.47	0.24	> 6
16	2	1777.5	0.3	> 6
17	0	1785.57	0.18	> 6
17	1	1831.8	0.15	> 6
17	2	1879.04	0.22	> 6
18	0	1886.84	0.13	> 6
18	1	1933.58	0.11	> 6
18	2	1981.37	0.2	> 6
19	0	1989.19	0.11	> 6
19	1	2036.61	0.11	> 6
19	2	2084.58	0.15	> 6
20	0	2092.22	0.1	> 6
20	1	2140.31	0.09	> 6
20	2	2188.52	0.17	> 6
21	0	2195.67	0.12	> 6
21	1	2243.45	0.12	> 6
21	2	2291.78	0.25	> 6
22	0	2298.52	0.17	> 6
22	1	2347.15	0.13	> 6
22	2	2395.26	0.32	> 6
23	0	2401.45	0.18	> 6
23	1	2450.83	0.19	> 6
23	2	2498.35	0.5	> 6
24	0	2504.9	0.34	> 6
24	1	2554.37	0.29	> 6
24	2	2603.38	1.36	> 6
25	0	2607.9	1.03	> 6
25	1	2656.67	0.87	3.83
25	2	2707.2	0.79	1.37
26	0	2713.74	0.68	3.8
26	1	2763.31	0.51	> 6
26	2	2810.97	0.77	1.24
27	0	2817.45	0.8	3.24
27	1	2867.96	0.76	3.26
27	2	2915.51	0.93	-0.13
28	0	2921.53	0.84	2.85

Table A56. Ratios for KIC 10963065.

Ratio type	n	Ratio	68% credible interval
r_{10}	14	0.046	0.004
r_{01}	15	0.043	0.004
r_{10}	15	0.044	0.003
r_{01}	16	0.046	0.003
r_{10}	16	0.046	0.003
r_{01}	17	0.044	0.002
r_{10}	17	0.043	0.002
r_{01}	18	0.042	0.001
r_{10}	18	0.042	0.001
r_{01}	19	0.041	0.001
r_{10}	19	0.039	0.001
r_{01}	20	0.037	0.001
r_{10}	20	0.036	0.001
r_{01}	21	0.036	0.001
r_{10}	21	0.035	0.001
r_{01}	22	0.031	0.002
r_{10}	22	0.028	0.002
r_{01}	23	0.024	0.002
r_{10}	23	0.023	0.002
r_{01}	24	0.022	0.003
r_{10}	24	0.021	0.006
r_{01}	25	0.027	0.009
r_{10}	25	0.034	0.009
r_{01}	26	0.032	0.007
r_{10}	26	0.024	0.007
r_{01}	27	0.018	0.007
r_{02}	15	0.082	0.006
r_{02}	16	0.097	0.007
r_{02}	17	0.08	0.003
r_{02}	18	0.077	0.003
r_{02}	19	0.076	0.002
r_{02}	20	0.074	0.002
r_{02}	21	0.069	0.002
r_{02}	22	0.065	0.003
r_{02}	23	0.06	0.003
r_{02}	24	0.064	0.006
r_{02}	25	0.045	0.019
r_{02}	26	0.062	0.01
r_{02}	27	0.062	0.01

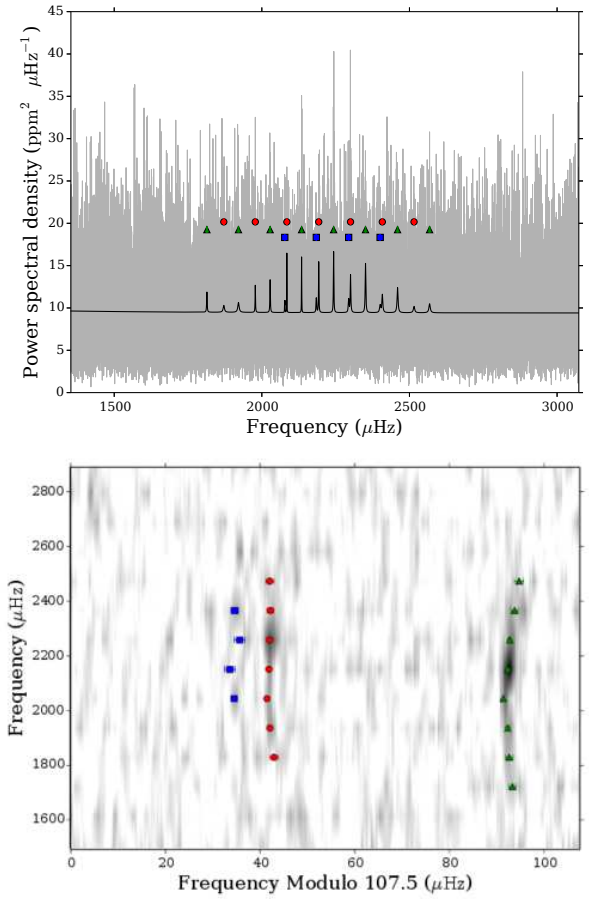

Figure A84. Power spectrum and echelle diagram for KIC 11133306. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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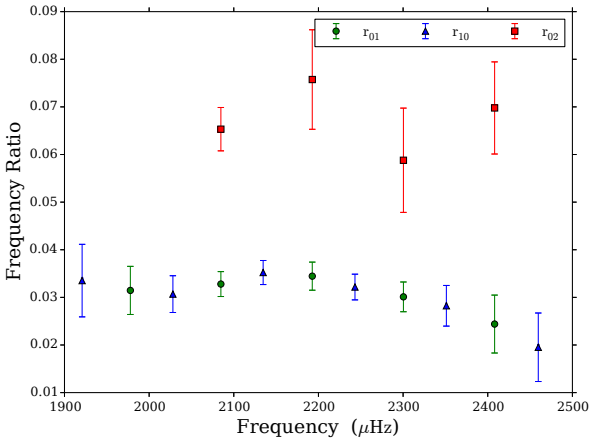

Figure A85. Ratios and 67% confidence intervals as a function of frequency for KIC 11133306.

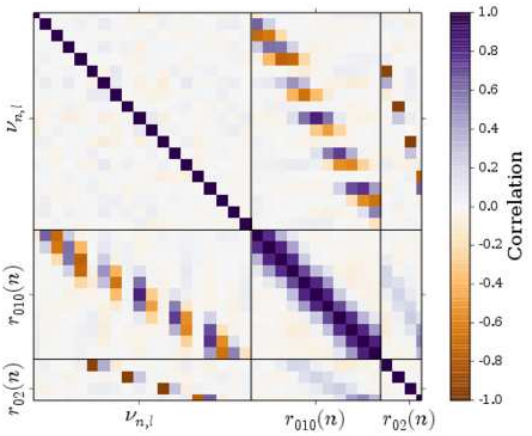

Figure A86. Correlation matrix of all frequencies and ratios for KIC 11133306. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A57. Mode frequencies and statistics for KIC 11133306.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
15	1	1813.96	0.7	1.52
16	0	1871.16	0.98	0.85
16	1	1920.83	0.78	1.13
17	0	1977.81	0.42	1.3
17	1	2028.07	0.42	> 6
17	2	2077.8	0.44	0.37
18	0	2084.75	0.18	1.96
18	1	2134.68	0.24	> 6
18	2	2184.46	1.08	-0.6
19	0	2192.7	0.37	1.07
19	1	2243.15	0.19	> 6
19	2	2294.07	1.13	-0.27
20	0	2300.39	0.35	3.33
20	1	2351.12	0.35	> 6
20	2	2400.53	0.78	0.05
21	0	2408.1	0.69	1.39
21	1	2459.69	0.71	2.21
22	0	2515.5	0.86	1.17
22	1	2568.18	0.96	1.14

Table A58. Ratios for KIC 11133306.

Ratio type	n	Ratio	68% credible interval
r_{10}	16	0.034	0.008
r_{01}	17	0.031	0.005
r_{10}	17	0.031	0.004
r_{01}	18	0.033	0.003
r_{10}	18	0.035	0.003
r_{01}	19	0.034	0.003
r_{10}	19	0.032	0.003
r_{01}	20	0.03	0.003
r_{10}	20	0.028	0.004
r_{01}	21	0.024	0.006
r_{10}	21	0.02	0.007
r_{02}	18	0.065	0.005
r_{02}	19	0.076	0.01
r_{02}	20	0.059	0.011
r_{02}	21	0.07	0.01

Table A59. Frequencies for 11295426

n	l	Frequency (μHz)	68% credible (μHz)	
14	0	1465.55	0.58	0.83
14	1	1512.33	0.4	1.0
14	2	1560.71	1.25	0.47
15	0	1567.82	0.98	0.92
15	1	1613.09	0.29	1.0
15	2	1661.12	0.17	1.0
16	0	1668.11	0.12	1.0
16	1	1713.36	0.08	1.0
16	2	1761.4	0.19	1.0
17	0	1767.37	0.2	1.0
17	1	1813.43	0.12	1.0
17	2	1861.87	0.15	1.0
18	0	1868.02	0.11	1.0
18	1	1914.52	0.08	1.0
18	2	1963.14	0.14	1.0
19	0	1969.07	0.09	1.0
19	1	2016.27	0.07	1.0
19	2	2064.8	0.07	1.0
20	0	2070.63	0.05	1.0
20	1	2117.76	0.05	1.0
20	2	2166.43	0.11	1.0
21	0	2171.99	0.07	1.0
21	1	2219.52	0.07	1.0
21	2	2268.12	0.13	1.0
22	0	2273.38	0.1	1.0
22	1	2321.17	0.1	1.0
22	2	2370.27	0.22	1.0
23	0	2374.95	0.13	1.0
23	1	2423.44	0.15	1.0
23	2	2472.68	0.9	1.0
24	0	2476.19	0.53	1.0
24	1	2526.09	0.47	1.0
24	2	2575.31	1.11	0.63
25	0	2580.03	0.84	0.97
25	1	2628.39	1.05	0.91
25	2	2675.45	1.38	0.66
26	0	2680.99	1.3	0.92
27	0	2783.39	1.65	0.76

Table A60. Ratios for KIC 11295426.

Ratio type	n	Ratio	68% credible interval
r_{01}	15	0.049	0.008
r_{10}	15	0.049	0.006
r_{01}	16	0.048	0.002
r_{10}	16	0.044	0.001
r_{01}	17	0.041	0.002
r_{10}	17	0.041	0.001
r_{01}	18	0.04	0.001
r_{10}	18	0.039	0.001
r_{01}	19	0.037	0.001
r_{10}	19	0.036	0.001
r_{01}	20	0.035	0.001
r_{10}	20	0.035	0.001
r_{01}	21	0.033	0.001
r_{10}	21	0.031	0.001
r_{01}	22	0.03	0.001
r_{10}	22	0.029	0.001
r_{01}	23	0.025	0.002
r_{10}	23	0.021	0.003
r_{01}	24	0.017	0.005
r_{10}	24	0.02	0.006
r_{01}	25	0.023	0.009
r_{02}	15	0.071	0.013
r_{02}	16	0.07	0.002
r_{02}	17	0.06	0.003
r_{02}	18	0.061	0.002
r_{02}	19	0.058	0.002
r_{02}	20	0.057	0.001
r_{02}	21	0.055	0.001
r_{02}	22	0.052	0.002
r_{02}	23	0.046	0.002
r_{02}	24	0.034	0.011
r_{02}	25	0.046	0.013

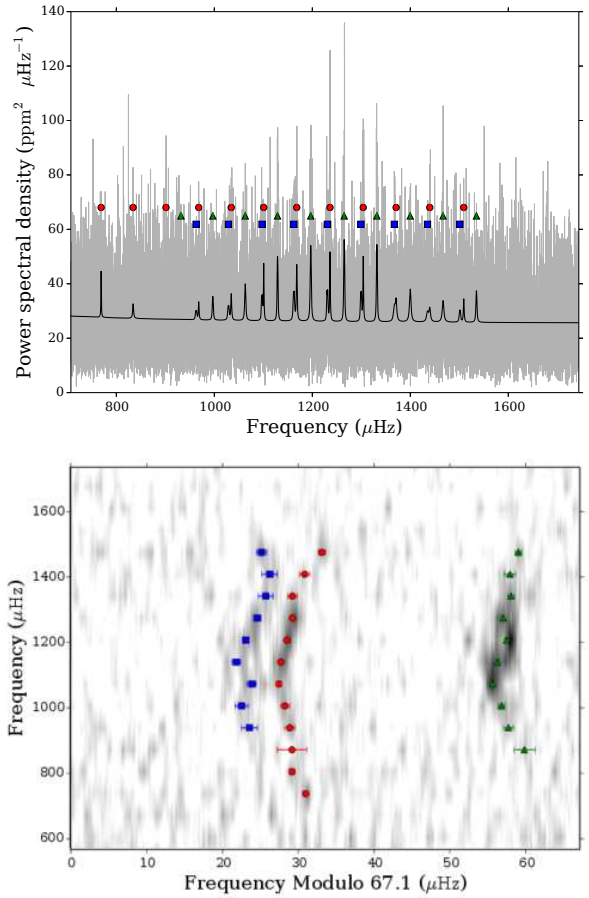

Figure A87. Power spectrum and echelle diagram for KIC 11401755. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

A0.31 11401755

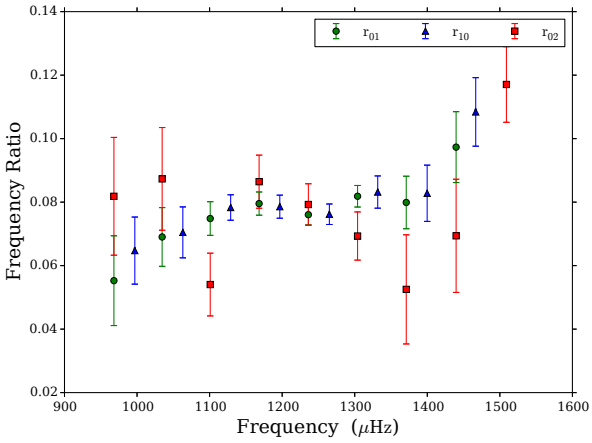

Figure A88. Ratios and 67% confidence intervals as a function of frequency for KIC 11401755.

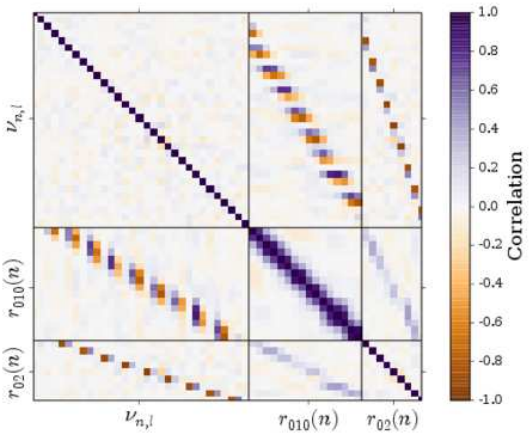

Figure A89. Correlation matrix of all frequencies and ratios for KIC 11401755. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A61. Mode frequencies and statistics for KIC 11401755.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
11	0	768.93	0.33	> 6
12	0	834.23	0.46	1.28
13	0	901.32	1.98	0.64
13	1	931.94	1.4	0.88
13	2	962.8	1.08	0.01
14	0	968.12	0.65	1.58
14	1	996.93	0.68	1.25
14	2	1028.87	0.88	0.65
15	0	1034.58	0.64	2.31
15	1	1063.1	0.43	> 6
15	2	1097.3	0.61	1.14
16	0	1100.85	0.34	2.94
16	1	1129.03	0.18	> 6
16	2	1162.35	0.52	> 6
17	0	1168.21	0.23	> 6
17	1	1196.75	0.25	> 6
17	2	1230.69	0.43	> 6
18	0	1236.09	0.16	> 6
18	1	1265.04	0.23	> 6
18	2	1299.28	0.48	> 6
19	0	1303.92	0.19	> 6
19	1	1331.7	0.22	> 6
19	2	1367.49	1.01	-0.05
20	0	1371.01	0.66	1.85
20	1	1399.82	0.45	> 6
20	2	1435.08	1.03	-0.39
21	0	1439.71	0.72	1.12
21	1	1466.76	0.75	1.04
21	2	1501.15	0.68	0.38
22	0	1509.05	0.51	1.76
22	1	1534.94	0.46	1.0

Table A62. Ratios for KIC 11401755.

Ratio type	n	Ratio	68% credible interval
r_{01}	14	0.055	0.014
r_{10}	14	0.065	0.011
r_{01}	15	0.069	0.009
r_{10}	15	0.07	0.008
r_{01}	16	0.075	0.005
r_{10}	16	0.078	0.004
r_{01}	17	0.08	0.004
r_{10}	17	0.079	0.004
r_{01}	18	0.076	0.003
r_{10}	18	0.076	0.003
r_{01}	19	0.082	0.003
r_{10}	19	0.083	0.005
r_{01}	20	0.08	0.008
r_{10}	20	0.083	0.009
r_{01}	21	0.097	0.011
r_{10}	21	0.108	0.011
r_{02}	14	0.082	0.019
r_{02}	15	0.087	0.016
r_{02}	16	0.054	0.01
r_{02}	17	0.086	0.008
r_{02}	18	0.079	0.007
r_{02}	19	0.069	0.008
r_{02}	20	0.053	0.017
r_{02}	21	0.069	0.018
r_{02}	22	0.117	0.012

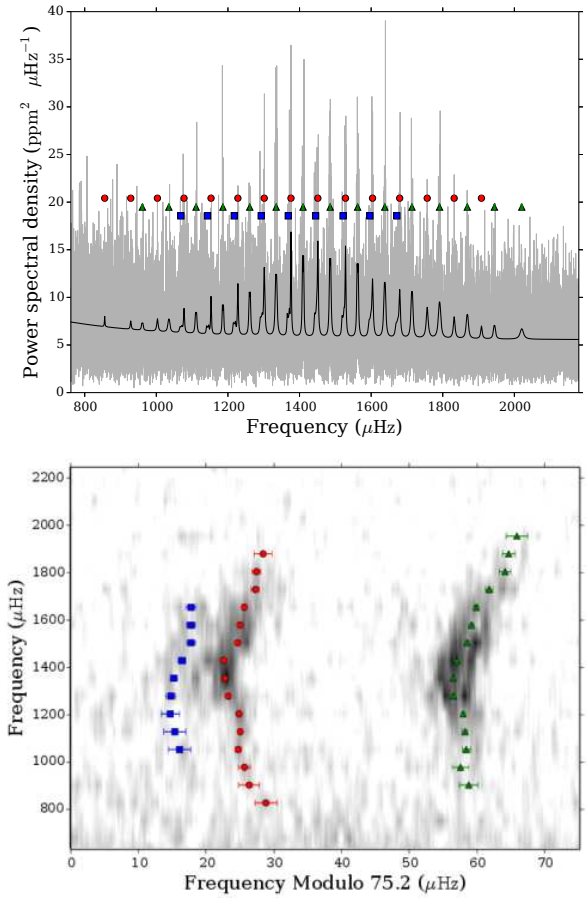

Figure A90. Power spectrum and echelle diagram for KIC 11807274. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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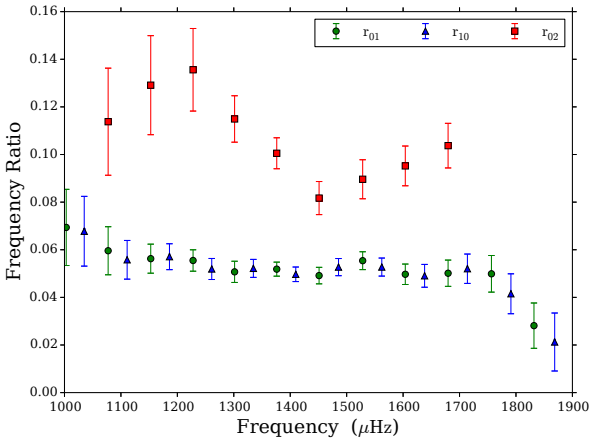

Figure A91. Ratios and 67% confidence intervals as a function of frequency for KIC 11807274.

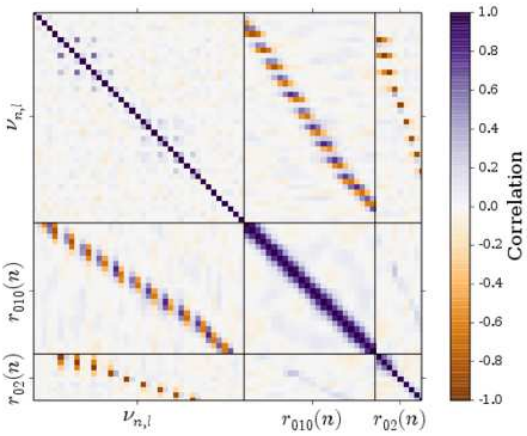

Figure A92. Correlation matrix of all frequencies and ratios for KIC 11807274. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A63. Mode frequencies and statistics for KIC 11807274.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
11	0	855.86	1.63	1.02
12	0	928.59	1.56	0.71
12	1	961.01	1.34	1.52
13	0	1003.08	0.88	1.9
13	1	1034.98	1.18	1.14
13	2	1068.66	1.64	0.42
14	0	1077.35	0.51	2.24
14	1	1111.02	0.62	1.7
14	2	1143.16	1.6	0.2
15	0	1152.81	0.33	2.64
15	1	1186.03	0.42	> 6
15	2	1217.67	1.35	-0.12
16	0	1227.82	0.29	3.17
16	1	1260.93	0.3	> 6
16	2	1292.92	0.7	1.28
17	0	1301.41	0.37	4.01
17	1	1334.71	0.26	> 6
17	2	1368.55	0.47	2.91
18	0	1376.1	0.17	4.86
18	1	1409.81	0.22	> 6
18	2	1444.95	0.54	2.79
19	0	1451.13	0.27	4.96
19	1	1485.56	0.25	> 6
19	2	1521.51	0.66	2.7
20	0	1528.37	0.31	5.07
20	1	1562.25	0.21	> 6
20	2	1596.66	0.67	2.26
21	0	1603.89	0.33	4.77
21	1	1638.09	0.33	> 6
21	2	1671.83	0.71	1.75
22	0	1679.71	0.39	4.36
22	1	1713.97	0.35	> 6
23	0	1756.54	0.61	> 6
23	1	1791.06	0.54	> 6
24	0	1831.89	0.64	> 6
24	1	1868.6	0.81	> 6
25	0	1908.05	1.27	1.37
25	1	1944.31	0.89	2.54
26	1	2020.71	1.57	1.51

Table A64. Ratios for KIC 11807274.

Ratio type	n	Ratio	68% credible interval
r_{01}	13	0.069	0.016
r_{10}	13	0.068	0.015
r_{01}	14	0.06	0.01
r_{10}	14	0.056	0.008
r_{01}	15	0.056	0.006
r_{10}	15	0.057	0.005
r_{01}	16	0.055	0.004
r_{10}	16	0.052	0.004
r_{01}	17	0.051	0.004
r_{10}	17	0.052	0.004
r_{01}	18	0.052	0.003
r_{10}	18	0.05	0.003
r_{01}	19	0.049	0.003
r_{10}	19	0.053	0.004
r_{01}	20	0.055	0.004
r_{10}	20	0.053	0.004
r_{01}	21	0.05	0.004
r_{10}	21	0.049	0.005
r_{01}	22	0.05	0.006
r_{10}	22	0.052	0.006
r_{01}	23	0.05	0.008
r_{10}	23	0.042	0.008
r_{01}	24	0.028	0.01
r_{10}	24	0.021	0.012
r_{02}	14	0.114	0.022
r_{02}	15	0.129	0.021
r_{02}	16	0.136	0.017
r_{02}	17	0.115	0.01
r_{02}	18	0.101	0.007
r_{02}	19	0.082	0.007
r_{02}	20	0.09	0.008
r_{02}	21	0.095	0.008
r_{02}	22	0.104	0.009

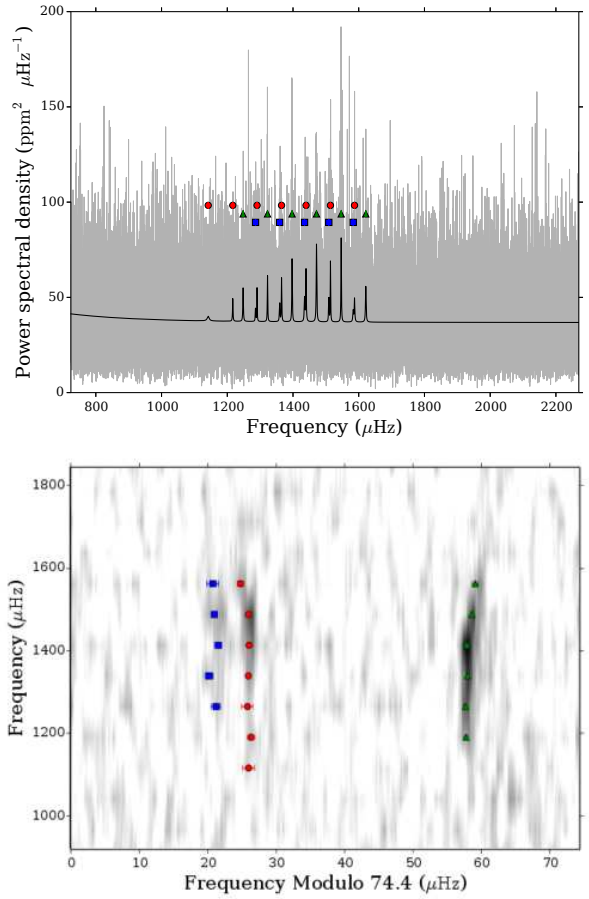

Figure A93. Power spectrum and echelle diagram for KIC 11853905. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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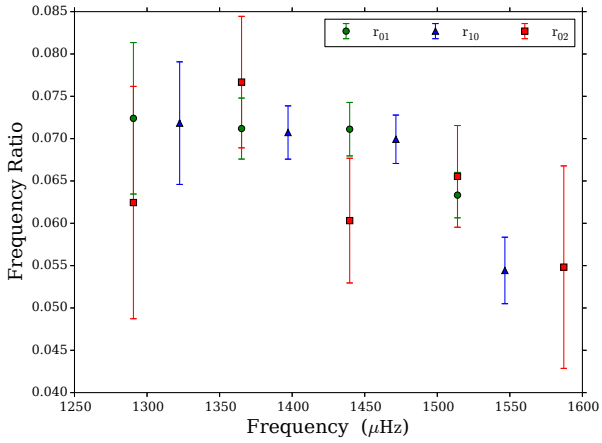

Figure A94. Ratios and 67% confidence intervals as a function of frequency for KIC 11853905.

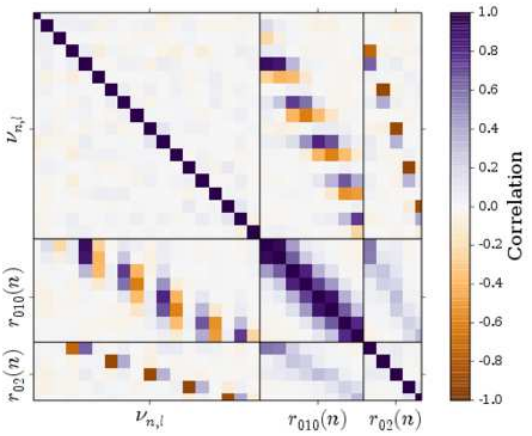

Figure A95. Correlation matrix of all frequencies and ratios for KIC 11853905. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A65. Mode frequencies and statistics for KIC 11853905.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
14	0	1141.97	0.88	0.77
15	0	1216.73	0.54	1.27
15	1	1248.15	0.31	> 6
15	2	1286.0	0.67	-0.59
16	0	1290.6	0.83	0.76
16	1	1322.47	0.24	> 6
16	2	1359.39	0.54	0.52
17	0	1365.13	0.26	2.08
17	1	1397.15	0.2	> 6
17	2	1435.15	0.52	0.14
18	0	1439.63	0.26	2.61
18	1	1471.49	0.18	> 6
18	2	1508.99	0.43	2.1
19	0	1513.93	0.17	3.74
19	1	1546.59	0.2	> 6
19	2	1583.14	0.83	-0.14
20	0	1587.19	0.45	2.12
20	1	1621.5	0.42	> 6

Table A66. Ratios for KIC 11853905.

Ratio type	n	Ratio	68% credible interval
r_{01}	16	0.072	0.009
r_{10}	16	0.072	0.007
r_{01}	17	0.071	0.004
r_{10}	17	0.071	0.003
r_{01}	18	0.071	0.003
r_{10}	18	0.07	0.003
r_{01}	19	0.063	0.003
r_{10}	19	0.054	0.004
r_{02}	16	0.062	0.014
r_{02}	17	0.077	0.008
r_{02}	18	0.06	0.007
r_{02}	19	0.066	0.006
r_{02}	20	0.055	0.012

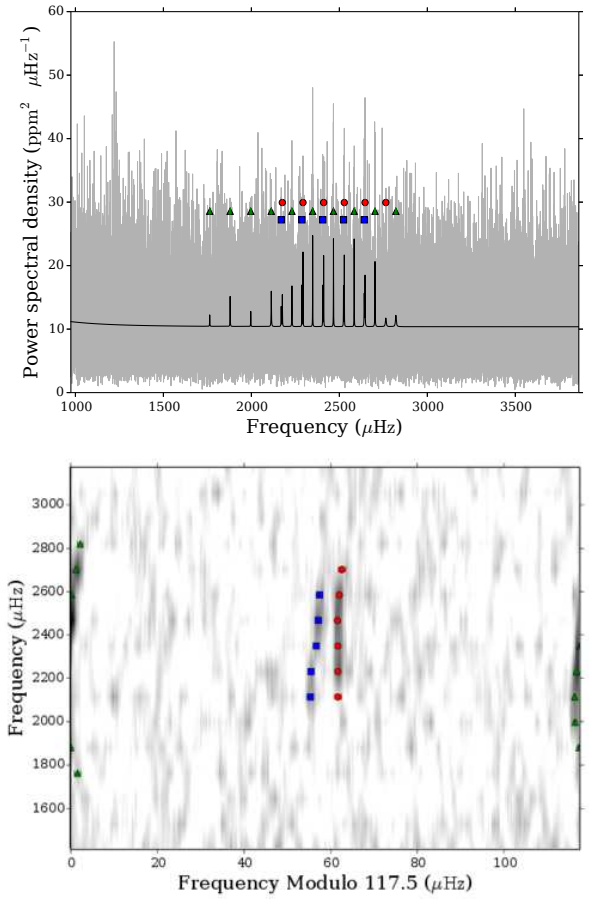

Figure A96. Power spectrum and echelle diagram for KIC 11904151. Top: Power spectrum with data in grey smoothed over 3 μHz and best model in black. Bottom: Echelle diagram with power in grey-scale. Both: Mode frequencies are marked as: radial modes with red circles; dipole modes with green diamonds; quadrapole modes with blue squares; and octopole modes with yellow pentagons.

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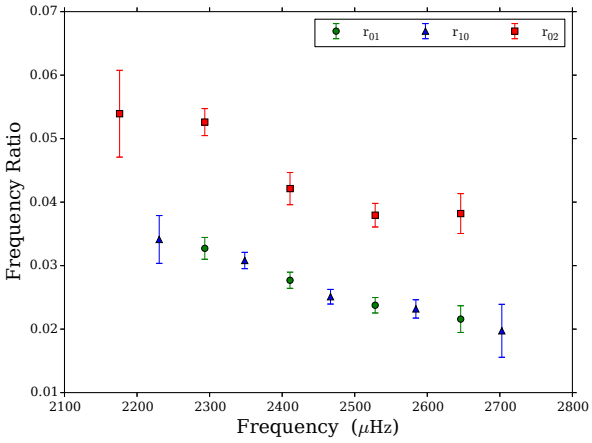

Figure A97. Ratios and 67% confidence intervals as a function of frequency for KIC 11904151.

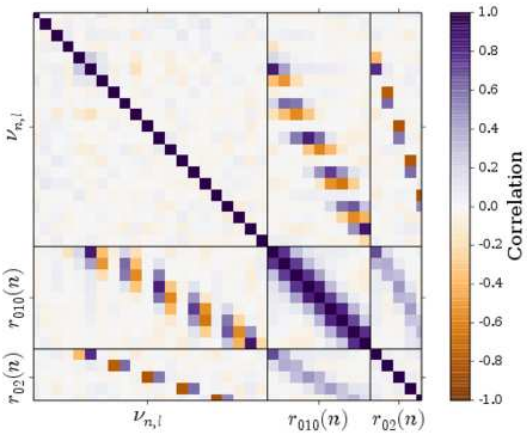

Figure A98. Correlation matrix of all frequencies and ratios for KIC 11904151. The grid represents the matrix and hence the identity elements are all correlation 1.0. The matrix is constructed so that frequencies and ratios are grouped separately. If each matrix element is labelled $[i, j]$ then the first set of i contains the mode frequencies, the second set contains the r_{010}, and the final set the r_{02}.

Table A67. Mode frequencies and statistics for KIC 11904151.

n	l	Frequency (μHz)	68% credible (μHz)	$\ln K$
13	1	1763.45	0.73	1.02
14	1	1879.35	0.32	> 6
15	1	1996.65	0.53	1.19
16	1	2113.19	0.39	> 6
16	2	2169.57	0.52	-0.03
17	0	2175.94	0.79	1.06
17	1	2230.56	0.27	> 6
17	2	2287.16	0.19	> 6
18	0	2293.36	0.16	> 6
18	1	2348.43	0.11	> 6
18	2	2405.84	0.25	1.01
19	0	2410.81	0.18	2.83
19	1	2466.63	0.12	> 6
19	2	2523.73	0.18	> 6
20	0	2528.2	0.13	> 6
20	1	2584.28	0.14	> 6
20	2	2641.51	0.31	0.91
21	0	2646.04	0.2	3.26
21	1	2702.72	0.23	> 6
22	0	2764.11	0.88	1.91
22	1	2821.21	0.69	1.01

Table A68. Ratios for KIC 11904151.

Ratio type	n	Ratio	68% credible interval
r_{10}	17	0.034	0.004
r_{01}	18	0.033	0.002
r_{10}	18	0.031	0.001
r_{01}	19	0.028	0.001
r_{10}	19	0.025	0.001
r_{01}	20	0.024	0.001
r_{10}	20	0.023	0.001
r_{01}	21	0.022	0.002
r_{10}	21	0.02	0.004
r_{02}	17	0.054	0.007
r_{02}	18	0.053	0.002
r_{02}	19	0.042	0.003
r_{02}	20	0.038	0.002
r_{02}	21	0.038	0.003