

and microlensing results, to search for an arbitrary number of planets, and to look into the possibility of accounting for interactions between planetary bodies.

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The catalogue will be made available for public viewing at <http://www.ucl.ac.uk/exoplanets/exocat>.

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APPENDIX A: A CATALOGUE OF EXOPLANET ORBITAL PARAMETERS FROM RADIAL VELOCITIES, UNIFORMLY DERIVED IN A BAYESIAN FRAMEWORK

Table A1. Table of the orbital parameters for a one-planet fit, both directly output from EXOFT and thence derived. The values of the parameters T , K , e and s (generated from EXOFT) are the medians of the parameter posterior distributions, with the associated 68.3 per cent confidence regions. The other parameters were calculated using these values and stellar masses taken from the published literature. Note that some parameters are extremely well constrained; hence, the errors on the parameter estimates are so small as to appear to be zero to the two decimal places shown in this table. A full table in machine-readable format will also be provided at <http://www.ucl.ac.uk/exoplanets/exocat>, and the reader is directed there if such data are required.

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
BD-17 63 b	0.74	655.49 ^{+0.59} _{-0.62}	172.44 ^{+0.62} _{-1.61}	0.54 ^{+0.01} _{-0.01}	4.59 ^{+0.95} _{-0.73}	5.06 ^{+0.05} _{-0.05}	1.34 ^{+0.00} _{-0.00}
ChaHa8 b	0.10	304.59 ^{+1.81} _{-1.79}	1221.89 ^{+186.78} _{-128.02}	0.15 ^{+0.15} _{-0.10}	32.67 ^{+130.79} _{-30.48}	8.60 ^{+1.12} _{-0.89}	0.41 ^{+0.00} _{-0.00}
ϵ Eri b	0.86	2503.68 ^{+57.36} _{-52.69}	17.83 ^{+1.93} _{-1.81}	0.16 ^{+0.16} _{-0.11}	9.44 ^{+0.91} _{-0.82}	1.05 ^{+0.10} _{-0.10}	3.43 ^{+0.05} _{-0.05}
ϵ Tau b	2.70	597.53 ^{+12.02} _{-11.52}	96.16 ^{+3.93} _{-3.85}	0.13 ^{+0.04} _{-0.04}	8.85 ^{+2.48} _{-1.95}	7.66 ^{+0.30} _{-0.30}	1.93 ^{+0.03} _{-0.02}
γ Cep b	1.59	905.03 ^{+4.52} _{-3.68}	317.34 ^{+77.57} _{-71.25}	0.51 ^{+0.14} _{-0.16}	225.74 ^{+34.05} _{-26.78}	17.44 ^{+4.02} _{-4.15}	2.14 ^{+0.01} _{-0.01}
GJ 3021 b	0.90	133.70 ^{+0.20} _{-0.20}	167.02 ^{+3.87} _{-3.95}	0.51 ^{+0.02} _{-0.02}	15.86 ^{+2.34} _{-2.05}	3.36 ^{+0.08} _{-0.08}	0.49 ^{+0.00} _{-0.00}
GJ 317 b	0.24	672.33 ^{+8.26} _{-7.27}	90.96 ^{+46.14} _{-12.10}	0.45 ^{+0.20} _{-0.10}	15.63 ^{+4.38} _{-3.16}	1.36 ^{+0.40} _{-0.16}	0.93 ^{+0.01} _{-0.01}
GJ 674 b	0.35	4.69 ^{+0.00} _{-0.00}	9.50 ^{+0.99} _{-1.02}	0.11 ^{+0.10} _{-0.08}	3.55 ^{+0.58} _{-0.46}	0.04 ^{+0.00} _{-0.00}	0.04 ^{+0.00} _{-0.00}
GJ 849 b	0.49	2014.09 ^{+60.32} _{-61.27}	26.68 ^{+9.48} _{-4.46}	0.68 ^{+0.10} _{-0.09}	7.14 ^{+1.40} _{-1.08}	0.77 ^{+0.19} _{-0.11}	2.46 ^{+0.05} _{-0.05}
GJ 86 b	0.80	15.77 ^{+0.00} _{-0.00}	431.19 ^{+61.11} _{-59.29}	0.23 ^{+0.11} _{-0.12}	204.72 ^{+26.76} _{-21.68}	4.44 ^{+0.59} _{-0.59}	0.11 ^{+0.00} _{-0.00}
HAT-P-6 b	1.29	3.85 ^{+0.00} _{-0.00}	115.69 ^{+3.99} _{-4.17}	0.04 ^{+0.04} _{-0.03}	8.73 ^{+3.25} _{-2.46}	1.06 ^{+0.04} _{-0.04}	0.05 ^{+0.00} _{-0.00}
HAT-P-8 b	1.28	3.09 ^{+0.00} _{-0.00}	162.59 ^{+7.36} _{-6.46}	0.05 ^{+0.05} _{-0.03}	6.56 ^{+4.14} _{-3.02}	1.37 ^{+0.06} _{-0.05}	0.05 ^{+0.00} _{-0.00}
HAT-P-9 b	1.30	3.92 ^{+0.00} _{-0.00}	84.50 ^{+10.56} _{-9.37}	0.12 ^{+0.14} _{-0.09}	4.09 ^{+9.61} _{-3.40}	0.77 ^{+0.09} _{-0.09}	0.05 ^{+0.00} _{-0.00}
HD 101930 b	0.74	70.58 ^{+0.40} _{-0.37}	17.99 ^{+0.89} _{-0.91}	0.08 ^{+0.05} _{-0.05}	1.92 ^{+0.65} _{-0.46}	0.30 ^{+0.01} _{-0.02}	0.30 ^{+0.00} _{-0.00}
HD 108874 b	0.95	395.16 ^{+5.60} _{-4.43}	34.93 ^{+3.82} _{-3.57}	0.05 ^{+0.08} _{-0.04}	13.00 ^{+1.65} _{-1.38}	1.21 ^{+0.13} _{-0.12}	1.04 ^{+0.01} _{-0.01}
HD 11506 b	1.19	1456.01 ^{+136.42} _{-85.10}	81.49 ^{+13.56} _{-4.62}	0.37 ^{+0.16} _{-0.10}	10.60 ^{+2.06} _{-1.60}	4.76 ^{+0.46} _{-0.23}	2.66 ^{+0.16} _{-0.10}
HD 118203 b	1.23	6.13 ^{+0.00} _{-0.00}	213.96 ^{+6.49} _{-6.40}	0.30 ^{+0.03} _{-0.03}	22.83 ^{+3.88} _{-3.28}	2.11 ^{+0.06} _{-0.06}	0.07 ^{+0.00} _{-0.00}
HD 12661 b	1.14	262.75 ^{+0.09} _{-0.13}	77.37 ^{+2.52} _{-2.55}	0.27 ^{+0.03} _{-0.03}	17.60 ^{+1.38} _{-1.24}	2.56 ^{+0.08} _{-0.09}	0.84 ^{+0.00} _{-0.00}
HD 128311 c	0.83	921.18 ^{+6.65} _{-5.13}	93.88 ^{+7.75} _{-7.27}	0.46 ^{+0.05} _{-0.05}	30.34 ^{+2.80} _{-2.42}	3.51 ^{+0.24} _{-0.24}	1.74 ^{+0.01} _{-0.01}
HD 131664 b	1.10	1976.18 ^{+32.94} _{-41.05}	356.10 ^{+24.90} _{-18.59}	0.64 ^{+0.02} _{-0.02}	5.11 ^{+0.79} _{-0.66}	18.03 ^{+0.85} _{-0.65}	3.18 ^{+0.04} _{-0.04}

Table A1 – *continued*

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
HD 132406 b	1.09	1172.21 ^{+75.55} _{-49.55}	122.19 ^{+157.18} _{-32.90}	0.34 ^{+0.28} _{-0.19}	17.04 ^{+4.70} _{-3.61}	6.31 ^{+5.80} _{-1.47}	2.24 ^{+0.10} _{-0.06}
HD 142 b	1.23	344.05 ^{+2.12} _{-0.93}	32.00 ^{+7.12} _{-6.14}	0.19 ^{+0.16} _{-0.13}	20.29 ^{+2.53} _{-2.15}	1.24 ^{+0.24} _{-0.23}	1.03 ^{+0.00} _{-0.00}
HD 142022 b	0.90	1861.66 ^{+14.86} _{-13.47}	140.10 ^{+112.02} _{-39.74}	0.64 ^{+0.12} _{-0.09}	3.00 ^{+1.67} _{-1.29}	6.10 ^{+3.21} _{-1.36}	2.86 ^{+0.02} _{-0.01}
HD 149143 b	1.20	4.07 ^{+0.00} _{-0.00}	149.71 ^{+1.67} _{-1.61}	0.01 ^{+0.01} _{-0.01}	1.21 ^{+1.69} _{-0.92}	1.33 ^{+0.01} _{-0.01}	0.05 ^{+0.00} _{-0.00}
HD 154345 b	0.89	3332.50 ^{+84.05} _{-74.54}	14.10 ^{+0.84} _{-0.85}	0.05 ^{+0.05} _{-0.04}	2.84 ^{+0.37} _{-0.32}	0.96 ^{+0.06} _{-0.06}	4.20 ^{+0.07} _{-0.06}
HD 155358 b	0.87	194.26 ^{+0.88} _{-0.80}	31.86 ^{+1.98} _{-1.97}	0.21 ^{+0.06} _{-0.06}	9.69 ^{+1.03} _{-0.89}	0.81 ^{+0.05} _{-0.05}	0.63 ^{+0.00} _{-0.00}
HD 162020 b	0.80	8.43 ^{+0.00} _{-0.00}	1808.97 ^{+5.15} _{-5.13}	0.28 ^{+0.00} _{-0.00}	11.13 ^{+2.65} _{-2.39}	15.01 ^{+0.04} _{-0.04}	0.08 ^{+0.00} _{-0.00}
HD 168443 b	1.01	58.11 ^{+0.00} _{-0.00}	510.46 ^{+252.18} _{-117.22}	0.52 ^{+0.20} _{-0.18}	220.77 ^{+46.40} _{-34.29}	8.28 ^{+2.91} _{-1.94}	0.29 ^{+0.00} _{-0.00}
HD 169830 b	1.41	225.62 ^{+0.29} _{-0.31}	83.07 ^{+3.05} _{-3.09}	0.37 ^{+0.03} _{-0.03}	1.52 ^{+2.40} _{-1.18}	2.91 ^{+0.10} _{-0.10}	0.81 ^{+0.00} _{-0.00}
HD 171028 b	0.99	545.13 ^{+10.10} _{-12.19}	59.75 ^{+3.04} _{-2.05}	0.59 ^{+0.02} _{-0.02}	2.55 ^{+0.70} _{-0.51}	1.92 ^{+0.13} _{-0.10}	1.30 ^{+0.02} _{-0.02}
HD 183263 b	1.12	627.80 ^{+1.03} _{-1.64}	89.99 ^{+13.01} _{-11.63}	0.42 ^{+0.08} _{-0.09}	26.59 ^{+3.48} _{-2.91}	3.72 ^{+0.42} _{-0.41}	1.49 ^{+0.00} _{-0.00}
HD 185269 b	1.30	6.84 ^{+0.00} _{-0.00}	89.57 ^{+4.12} _{-4.02}	0.28 ^{+0.03} _{-0.04}	7.72 ^{+1.92} _{-1.61}	0.96 ^{+0.04} _{-0.04}	0.08 ^{+0.00} _{-0.00}
HD 187123 b	1.04	3.10 ^{+0.00} _{-0.00}	65.68 ^{+3.34} _{-3.35}	0.05 ^{+0.06} _{-0.04}	18.33 ^{+1.83} _{-1.58}	0.48 ^{+0.02} _{-0.03}	0.04 ^{+0.00} _{-0.00}
HD 189733 b	0.81	2.22 ^{+0.00} _{-0.00}	204.58 ^{+5.15} _{-5.10}	0.01 ^{+0.01} _{-0.01}	15.65 ^{+1.33} _{-1.17}	1.14 ^{+0.03} _{-0.03}	0.03 ^{+0.00} _{-0.00}
HD 190228 b	1.82	1141.21 ^{+15.40} _{-14.66}	92.26 ^{+4.58} _{-3.48}	0.52 ^{+0.04} _{-0.04}	1.23 ^{+1.87} _{-0.94}	6.07 ^{+0.17} _{-0.15}	2.61 ^{+0.02} _{-0.02}
HD 190360 b	0.98	2925.83 ^{+36.05} _{-41.53}	19.38 ^{+2.67} _{-2.28}	0.33 ^{+0.11} _{-0.10}	5.92 ^{+1.47} _{-1.47}	1.27 ^{+0.14} _{-0.13}	3.98 ^{+0.03} _{-0.04}
HD 190647 b	1.10	1038.09 ^{+5.27} _{-5.38}	36.78 ^{+1.19} _{-1.17}	0.17 ^{+0.02} _{-0.02}	0.97 ^{+0.70} _{-0.65}	1.92 ^{+0.06} _{-0.06}	2.07 ^{+0.01} _{-0.01}
HD 195019 b	1.02	18.20 ^{+0.00} _{-0.00}	270.12 ^{+1.54} _{-1.55}	0.01 ^{+0.01} _{-0.01}	10.42 ^{+1.19} _{-1.14}	3.54 ^{+0.02} _{-0.02}	0.14 ^{+0.00} _{-0.00}
HD 202206 b	1.07	255.90 ^{+0.06} _{-0.09}	585.94 ^{+6.24} _{-6.13}	0.42 ^{+0.01} _{-0.01}	30.18 ^{+2.61} _{-2.31}	17.41 ^{+0.16} _{-0.16}	0.81 ^{+0.00} _{-0.00}
HD 20868 b	0.78	380.79 ^{+0.13} _{-0.09}	97.02 ^{+7.97} _{-7.95}	0.61 ^{+0.04} _{-0.04}	32.81 ^{+4.04} _{-3.35}	2.31 ^{+0.18} _{-0.18}	0.95 ^{+0.00} _{-0.00}
HD 209458 b	1.13	3.52 ^{+0.00} _{-0.00}	84.33 ^{+0.87} _{-0.87}	0.01 ^{+0.01} _{-0.01}	3.34 ^{+0.69} _{-0.67}	0.69 ^{+0.01} _{-0.01}	0.05 ^{+0.00} _{-0.00}
HD 212301 b	1.05	2.27 ^{+0.00} _{-0.00}	56.31 ^{+5.83} _{-5.94}	0.08 ^{+0.08} _{-0.05}	17.70 ^{+3.65} _{-2.73}	0.37 ^{+0.04} _{-0.04}	0.03 ^{+0.00} _{-0.00}
HD 217107 b	1.11	7.13 ^{+0.00} _{-0.00}	140.71 ^{+2.35} _{-2.41}	0.15 ^{+0.02} _{-0.02}	22.70 ^{+1.23} _{-1.12}	1.41 ^{+0.02} _{-0.02}	0.08 ^{+0.00} _{-0.00}
HD 219828 b	1.24	3.84 ^{+0.01} _{-0.02}	3.11 ^{+7.83} _{-2.55}	0.58 ^{+0.32} _{-0.39}	15.98 ^{+2.97} _{-2.27}	0.02 ^{+0.05} _{-0.02}	0.05 ^{+0.00} _{-0.00}
HD 221287 b	1.30	458.77 ^{+8.13} _{-6.20}	69.77 ^{+8.66} _{-6.77}	0.11 ^{+0.10} _{-0.07}	10.16 ^{+1.97} _{-1.50}	3.14 ^{+0.38} _{-0.32}	1.27 ^{+0.01} _{-0.01}
HD 224693 b	1.30	26.73 ^{+0.03} _{-0.03}	39.92 ^{+1.52} _{-1.53}	0.04 ^{+0.04} _{-0.03}	1.92 ^{+1.07} _{-1.10}	0.70 ^{+0.03} _{-0.03}	0.19 ^{+0.00} _{-0.00}
HD 23127 b	1.13	1226.63 ^{+21.59} _{-21.71}	27.75 ^{+3.08} _{-2.84}	0.44 ^{+0.09} _{-0.10}	10.89 ^{+2.03} _{-1.67}	1.42 ^{+0.17} _{-0.16}	2.34 ^{+0.03} _{-0.03}
HD 2638 b	0.93	3.44 ^{+0.00} _{-0.00}	67.59 ^{+1.06} _{-1.02}	0.01 ^{+0.01} _{-0.01}	3.31 ^{+0.70} _{-0.57}	0.48 ^{+0.01} _{-0.01}	0.04 ^{+0.00} _{-0.00}
HD 27442 b	1.20	415.32 ^{+6.25} _{-5.74}	32.48 ^{+1.79} _{-1.76}	0.07 ^{+0.06} _{-0.04}	2.98 ^{+1.41} _{-1.13}	1.34 ^{+0.07} _{-0.07}	1.16 ^{+0.01} _{-0.01}
HD 27894 b	0.75	18.01 ^{+0.02} _{-0.01}	57.01 ^{+1.61} _{-1.66}	0.04 ^{+0.03} _{-0.02}	4.39 ^{+1.08} _{-0.83}	0.61 ^{+0.02} _{-0.02}	0.12 ^{+0.00} _{-0.00}
HD 28185 b	0.99	381.81 ^{+0.83} _{-1.32}	174.72 ^{+12.09} _{-7.75}	0.05 ^{+0.02} _{-0.02}	7.82 ^{+1.76} _{-1.53}	6.19 ^{+0.43} _{-0.28}	1.03 ^{+0.00} _{-0.00}
HD 285968 b	0.49	10.23 ^{+0.00} _{-0.00}	11.88 ^{+2.24} _{-1.79}	0.25 ^{+0.20} _{-0.17}	2.47 ^{+1.77} _{-1.74}	0.08 ^{+0.01} _{-0.01}	0.07 ^{+0.00} _{-0.00}
HD 330075 b	0.70	3.39 ^{+0.00} _{-0.00}	107.34 ^{+1.00} _{-1.03}	0.01 ^{+0.01} _{-0.00}	2.02 ^{+0.86} _{-0.74}	0.63 ^{+0.01} _{-0.01}	0.04 ^{+0.00} _{-0.00}
HD 33636 b	1.02	2127.74 ^{+11.40} _{-11.04}	389.98 ^{+156.81} _{-152.41}	0.90 ^{+0.03} _{-0.11}	0.57 ^{+0.69} _{-0.42}	11.02 ^{+2.19} _{-1.89}	3.26 ^{+0.01} _{-0.01}
HD 3651 b	0.88	60.36 ^{+0.04} _{-0.05}	9.60 ^{+1.91} _{-1.60}	0.54 ^{+0.15} _{-0.16}	7.73 ^{+0.68} _{-0.61}	0.14 ^{+0.02} _{-0.02}	0.29 ^{+0.00} _{-0.00}
HD 38529 c	1.48	2143.62 ^{+8.24} _{-6.24}	177.12 ^{+6.26} _{-6.00}	0.35 ^{+0.03} _{-0.03}	40.24 ^{+2.46} _{-2.22}	13.65 ^{+0.42} _{-0.42}	3.71 ^{+0.01} _{-0.01}
HD 4203 b	1.13	434.21 ^{+2.65} _{-1.97}	74.24 ^{+88.38} _{-18.24}	0.71 ^{+0.14} _{-0.09}	5.63 ^{+1.49} _{-1.18}	2.15 ^{+1.42} _{-0.39}	1.17 ^{+0.00} _{-0.00}
HD 4208 b	0.88	828.90 ^{+8.03} _{-7.83}	19.01 ^{+0.68} _{-0.70}	0.05 ^{+0.04} _{-0.03}	1.26 ^{+0.86} _{-0.85}	0.81 ^{+0.03} _{-0.03}	1.65 ^{+0.01} _{-0.01}
HD 43691 b	1.38	36.93 ^{+0.04} _{-0.04}	123.78 ^{+4.76} _{-4.65}	0.11 ^{+0.05} _{-0.05}	14.47 ^{+3.07} _{-2.51}	2.50 ^{+0.10} _{-0.10}	0.24 ^{+0.00} _{-0.00}
HD 43848 b	0.93	2390.59 ^{+121.57} _{-85.08}	888.17 ^{+447.92} _{-286.53}	0.81 ^{+0.06} _{-0.08}	5.58 ^{+4.19} _{-2.90}	33.07 ^{+9.51} _{-7.29}	3.42 ^{+0.11} _{-0.08}
HD 46375 b	0.93	3.02 ^{+0.00} _{-0.00}	33.67 ^{+0.79} _{-0.80}	0.06 ^{+0.03} _{-0.03}	3.30 ^{+0.59} _{-0.52}	0.23 ^{+0.01} _{-0.01}	0.04 ^{+0.00} _{-0.00}
HD 47536 b	0.94	717.27 ^{+15.06} _{-13.33}	108.71 ^{+12.96} _{-12.35}	0.15 ^{+0.10} _{-0.09}	6.65 ^{+9.40} _{-5.62}	4.53 ^{+0.57} _{-0.56}	1.54 ^{+0.02} _{-0.02}
HD 49674 b	1.01	4.95 ^{+0.00} _{-0.00}	11.76 ^{+1.09} _{-1.13}	0.05 ^{+0.07} _{-0.04}	3.65 ^{+0.78} _{-0.69}	0.10 ^{+0.01} _{-0.01}	0.06 ^{+0.00} _{-0.00}
HD 50499 b	1.28	2460.46 ^{+51.66} _{-51.79}	25.77 ^{+5.54} _{-4.56}	0.29 ^{+0.21} _{-0.19}	13.38 ^{+2.08} _{-1.71}	1.91 ^{+0.33} _{-0.32}	3.87 ^{+0.05} _{-0.05}
HD 5319 b	1.60	684.51 ^{+12.52} _{-16.78}	36.23 ^{+17.09} _{-5.87}	0.10 ^{+0.20} _{-0.07}	10.44 ^{+1.73} _{-1.37}	2.13 ^{+0.91} _{-0.35}	1.78 ^{+0.02} _{-0.03}
HD 63454 b	0.80	2.82 ^{+0.00} _{-0.00}	63.32 ^{+1.76} _{-1.81}	0.02 ^{+0.03} _{-0.02}	5.80 ^{+1.25} _{-0.98}	0.38 ^{+0.01} _{-0.01}	0.04 ^{+0.00} _{-0.00}
HD 68988 b	1.12	6.28 ^{+0.00} _{-0.00}	183.95 ^{+13.27} _{-13.39}	0.09 ^{+0.06} _{-0.06}	42.29 ^{+7.33} _{-5.71}	1.79 ^{+0.12} _{-0.13}	0.07 ^{+0.00} _{-0.00}
HD 73267 b	0.89	1259.62 ^{+6.47} _{-6.80}	64.28 ^{+0.44} _{-0.46}	0.26 ^{+0.01} _{-0.01}	0.72 ^{+0.50} _{-0.48}	3.06 ^{+0.02} _{-0.02}	2.20 ^{+0.01} _{-0.01}
HD 73526 b	1.01	193.32 ^{+0.75} _{-1.05}	114.79 ^{+22.33} _{-18.22}	0.57 ^{+0.07} _{-0.09}	25.52 ^{+4.75} _{-3.69}	2.70 ^{+0.40} _{-0.35}	0.66 ^{+0.00} _{-0.00}
HD 74156 c	1.24	2519.62 ^{+20.55} _{-20.33}	120.88 ^{+139.67} _{-42.57}	0.89 ^{+0.08} _{-0.13}	54.09 ^{+4.69} _{-4.09}	4.31 ^{+1.34} _{-0.68}	3.89 ^{+0.02} _{-0.02}

Table A1 – continued

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
HD 75289 b	1.19	$3.51^{+0.00}_{-0.00}$	$53.90^{+1.31}_{-1.31}$	$0.01^{+0.02}_{-0.01}$	$0.73^{+1.04}_{-0.54}$	$0.45^{+0.01}_{-0.01}$	$0.05^{+0.00}_{-0.00}$
HD 75898 b	1.30	$421.64^{+7.49}_{-7.35}$	$74.99^{+3.83}_{-3.66}$	$0.05^{+0.07}_{-0.04}$	$9.56^{+2.16}_{-1.59}$	$3.29^{+0.17}_{-0.16}$	$1.20^{+0.01}_{-0.01}$
HD 76700 b	1.13	$3.97^{+0.00}_{-0.00}$	$27.30^{+1.35}_{-1.29}$	$0.08^{+0.06}_{-0.05}$	$2.79^{+1.46}_{-1.58}$	$0.23^{+0.01}_{-0.01}$	$0.05^{+0.00}_{-0.00}$
HD 80606 b	0.96	$111.44^{+0.00}_{-0.00}$	$560.69^{+187.15}_{-113.26}$	$0.95^{+0.01}_{-0.02}$	$12.47^{+2.65}_{-2.53}$	$3.84^{+0.51}_{-0.30}$	$0.45^{+0.00}_{-0.00}$
HD 81040 b	0.96	$1108.32^{+7.45}_{-4.65}$	$169.71^{+10.03}_{-10.03}$	$0.42^{+0.07}_{-0.14}$	$25.51^{+6.90}_{-5.16}$	$7.62^{+0.56}_{-0.47}$	$2.07^{+0.01}_{-0.01}$
HD 82943 b	1.13	$4030.24^{+7058.52}_{-3812.23}$	$88.77^{+347.92}_{-55.10}$	$0.49^{+0.30}_{-0.33}$	$34.40^{+8.27}_{-6.74}$	$5.58^{+28.20}_{-4.69}$	$5.16^{+4.97}_{-4.42}$
HD 8574 b	1.12	$227.45^{+0.82}_{-0.79}$	$64.92^{+4.36}_{-4.37}$	$0.28^{+0.05}_{-0.05}$	$9.70^{+2.53}_{-2.39}$	$2.02^{+0.13}_{-0.13}$	$0.76^{+0.00}_{-0.00}$
HD 86081 b	1.21	$2.14^{+0.00}_{-0.00}$	$207.49^{+0.86}_{-0.84}$	$0.01^{+0.01}_{-0.01}$	$0.76^{+0.92}_{-0.56}$	$1.49^{+0.01}_{-0.01}$	$0.03^{+0.00}_{-0.00}$
HD 89307	0.99	$2174.23^{+49.69}_{-53.83}$	$38.05^{+26.97}_{-7.05}$	$0.29^{+0.36}_{-0.20}$	$3.31^{+5.42}_{-2.68}$	$2.29^{+0.83}_{-0.41}$	$3.27^{+0.05}_{-0.05}$
HD 93083 b	0.70	$143.99^{+1.54}_{-1.47}$	$18.68^{+1.26}_{-1.20}$	$0.12^{+0.07}_{-0.06}$	$2.28^{+0.75}_{-0.54}$	$0.38^{+0.03}_{-0.03}$	$0.48^{+0.00}_{-0.00}$
HR 810 b	1.11	$302.94^{+2.27}_{-2.18}$	$57.17^{+5.60}_{-5.43}$	$0.12^{+0.10}_{-0.08}$	$17.92^{+3.70}_{-2.91}$	$2.00^{+0.20}_{-0.20}$	$0.91^{+0.00}_{-0.00}$
κ CrB b	1.80	$1218.78^{+35.22}_{-28.41}$	$24.06^{+1.39}_{-1.41}$	$0.12^{+0.08}_{-0.07}$	$4.73^{+0.86}_{-0.75}$	$1.86^{+0.11}_{-0.11}$	$2.72^{+0.05}_{-0.04}$
NGC 2423 3 b	2.40	$713.95^{+4.99}_{-5.20}$	$133.14^{+7.95}_{-7.28}$	$0.18^{+0.06}_{-0.06}$	$18.05^{+2.72}_{-2.32}$	$10.32^{+0.56}_{-0.55}$	$2.09^{+0.01}_{-0.01}$
NGC 4349 127 b	3.90	$676.93^{+4.37}_{-4.48}$	$189.46^{+10.22}_{-9.44}$	$0.19^{+0.05}_{-0.05}$	$14.59^{+3.43}_{-2.50}$	$19.89^{+1.06}_{-1.02}$	$2.38^{+0.01}_{-0.01}$
τ Boo b	1.34	$3.31^{+10.38}_{-10.09}$	$469.05^{+14.76}_{-14.87}$	$0.07^{+0.03}_{-0.04}$	$96.65^{+8.42}_{-7.39}$	$4.17^{+0.13}_{-0.13}$	$0.05^{+0.00}_{-0.00}$
TrES-3 b	0.92	$1.34^{+0.04}_{-0.04}$	$352.25^{+17.08}_{-21.08}$	$0.06^{+0.09}_{-0.04}$	$10.70^{+24.41}_{-9.07}$	$1.80^{+0.09}_{-0.12}$	$0.02^{+0.00}_{-0.00}$
WASP-2 b	0.88	$2.15^{+0.00}_{-0.00}$	$159.43^{+8.00}_{-6.39}$	$0.25^{+0.10}_{-0.11}$	$2.32^{+5.14}_{-1.87}$	$0.90^{+0.04}_{-0.03}$	$0.03^{+0.00}_{-0.00}$
WASP-3 b	1.22	$1.85^{+0.00}_{-0.00}$	$250.29^{+11.08}_{-11.16}$	$0.07^{+0.05}_{-0.04}$	$3.85^{+11.11}_{-3.21}$	$1.72^{+0.08}_{-0.08}$	$0.03^{+0.00}_{-0.00}$
WASP-4 b	0.91	$1.34^{+0.00}_{-0.00}$	$238.69^{+10.83}_{-11.83}$	$0.03^{+0.04}_{-0.02}$	$11.37^{+11.28}_{-9.52}$	$1.21^{+0.06}_{-0.06}$	$0.02^{+0.00}_{-0.00}$
WASP-5 b	1.01	$1.63^{+0.00}_{-0.00}$	$282.92^{+9.11}_{-9.08}$	$0.07^{+0.04}_{-0.03}$	$2.77^{+6.48}_{-2.23}$	$1.64^{+0.05}_{-0.05}$	$0.03^{+0.00}_{-0.00}$
XO-1 b	1.03	$3.94^{+0.00}_{-0.00}$	$119.02^{+12.73}_{-11.60}$	$0.10^{+0.11}_{-0.07}$	$3.09^{+8.03}_{-2.54}$	$0.94^{+0.10}_{-0.09}$	$0.05^{+0.00}_{-0.00}$
XO-2 b	0.97	$2.62^{+0.00}_{-0.00}$	$86.00^{+10.51}_{-10.07}$	$0.19^{+0.15}_{-0.13}$	$3.58^{+9.40}_{-2.94}$	$0.56^{+0.06}_{-0.07}$	$0.04^{+0.00}_{-0.00}$
XO-3 b	1.41	$3.19^{+0.00}_{-0.00}$	$1501.73^{+16.33}_{-16.28}$	$0.29^{+0.01}_{-0.01}$	$39.89^{+7.29}_{-6.39}$	$13.09^{+0.14}_{-0.14}$	$0.05^{+0.00}_{-0.00}$
XO-4 b	1.32	$4.13^{+0.00}_{-0.00}$	$200.12^{+92.23}_{-34.80}$	$0.35^{+0.22}_{-0.20}$	$4.34^{+13.06}_{-3.64}$	$1.79^{+0.50}_{-0.27}$	$0.06^{+0.00}_{-0.00}$

Table A2. Table of the orbital parameters for a two-planet fit, both directly output from EXOFAST and thence derived. The values of the parameters T , K , e and s (generated from EXOFAST) are the medians of the parameter posterior distributions, with the associated 68.3 per cent confidence regions. The other parameters were calculated using these values and stellar masses taken from the published literature. Note that some parameters are extremely well constrained; hence, the errors on the parameter estimates are so small as to appear to be zero to the two decimal places shown in this table. A full table in machine-readable format will also be provided at <http://www.ucl.ac.uk/exoplanets/exocat>, and the reader is directed there if such data are required.

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
BD-17 63 b	0.74	$1976.15^{+226.40}_{-182.28}$	$297.62^{+389.34}_{-93.47}$	$0.87^{+0.07}_{-0.07}$	$9.46^{+1.96}_{-1.47}$	$7.48^{+4.67}_{-1.37}$	$2.79^{+0.21}_{-0.17}$
c		$2829.26^{+303.62}_{-183.09}$	$182.40^{+7.20}_{-5.52}$	$0.84^{+0.01}_{-0.01}$		$5.68^{+0.17}_{-0.14}$	$3.54^{+0.25}_{-0.15}$
ChaHa8 b	0.10	$1184.29^{+619.30}_{-1170.75}$	$870.23^{+660.70}_{-855.84}$	$0.43^{+0.30}_{-0.29}$	$29.42^{+159.46}_{-27.44}$	$6.15^{+10.65}_{-6.11}$	$1.02^{+0.33}_{-0.97}$
c		$504.54^{+1270.37}_{-493.52}$	$965.92^{+484.80}_{-952.10}$	$0.39^{+0.32}_{-0.27}$		$6.84^{+9.21}_{-6.80}$	$0.58^{+0.76}_{-0.53}$
ϵ Eri b	0.86	$2443.29^{+45.64}_{-44.45}$	$13.91^{+1.51}_{-1.49}$	$0.05^{+0.07}_{-0.04}$	$7.72^{+0.84}_{-0.76}$	$0.83^{+0.09}_{-0.09}$	$3.37^{+0.04}_{-0.04}$
c		$541.54^{+2.09}_{-1.05}$	$14.86^{+8.97}_{-4.11}$	$0.82^{+0.09}_{-0.10}$		$0.30^{+0.08}_{-0.06}$	$1.23^{+0.00}_{-0.00}$
ϵ Tau b	2.70	$598.14^{+11.23}_{-10.56}$	$97.38^{+4.08}_{-3.98}$	$0.13^{+0.06}_{-0.05}$	$6.17^{+3.70}_{-5.02}$	$7.76^{+0.30}_{-0.31}$	$1.93^{+0.02}_{-0.02}$
c		$71.16^{+113.78}_{-70.55}$	$12.48^{+13.93}_{-10.77}$	$0.66^{+0.25}_{-0.37}$		$0.18^{+0.90}_{-0.14}$	$0.47^{+2.58}_{-0.45}$
γ Cep b	1.59	$905.43^{+4.49}_{-3.95}$	$37.97^{+4.81}_{-4.42}$	$0.04^{+0.07}_{-0.03}$	$1.51^{+2.27}_{-1.16}$	$2.46^{+0.31}_{-0.29}$	$2.14^{+0.01}_{-0.01}$
c		$3648.72^{+2293.49}_{-661.35}$	$1761.05^{+176.92}_{-243.13}$	$0.75^{+0.06}_{-0.09}$		$117.32^{+51.84}_{-22.41}$	$5.41^{+2.08}_{-0.68}$
GJ 3021 b	0.90	$133.71^{+0.20}_{-0.21}$	$166.78^{+3.96}_{-3.91}$	$0.51^{+0.02}_{-0.02}$	$15.40^{+2.49}_{-2.32}$	$3.36^{+0.08}_{-0.08}$	$0.49^{+0.00}_{-0.00}$
c		$33.23^{+3748.49}_{-32.08}$	$5.00^{+14.75}_{-4.26}$	$0.56^{+0.32}_{-0.38}$		$0.05^{+0.26}_{-0.05}$	$0.20^{+4.39}_{-0.17}$
GJ 317 b	0.24	$682.64^{+4.93}_{-4.68}$	$82.68^{+4.15}_{-3.87}$	$0.27^{+0.05}_{-0.06}$	$4.51^{+4.39}_{-2.90}$	$1.33^{+0.06}_{-0.06}$	$0.94^{+0.00}_{-0.00}$
c		$4602.69^{+3780.22}_{-1555.08}$	$33.00^{+22.89}_{-7.52}$	$0.35^{+0.23}_{-0.19}$		$0.95^{+0.86}_{-0.26}$	$3.37^{+1.65}_{-0.81}$
GJ 674 b	0.35	$4.69^{+0.00}_{-0.00}$	$8.59^{+0.39}_{-0.39}$	$0.14^{+0.04}_{-0.05}$	$1.17^{+0.28}_{-0.22}$	$0.03^{+0.00}_{-0.00}$	$0.04^{+0.00}_{-0.00}$
c		$34.82^{+0.07}_{-0.08}$	$4.84^{+0.40}_{-0.42}$	$0.23^{+0.08}_{-0.08}$		$0.04^{+0.00}_{-0.00}$	$0.15^{+0.00}_{-0.00}$

Table A2 – *continued*

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
GJ 849 b	0.49	1971.53 ^{+178.78} _{-104.48}	21.41 ^{+1.79} _{-1.68}	0.11 ^{+0.07} _{-0.07}	2.89 ^{+0.92} _{-0.85}	0.81 ^{+0.08} _{-0.07}	2.43 ^{+0.14} _{-0.09}
c		9065.80 ^{+3863.21} _{-3507.96}	65.32 ^{+84.73} _{-38.59}	0.59 ^{+0.31} _{-0.37}		3.06 ^{+2.95} _{-1.70}	6.71 ^{+1.79} _{-1.87}
GJ 86 b	0.80	15.77 ^{+0.00} _{-0.00}	378.50 ^{+1.12} _{-1.11}	0.05 ^{+0.00} _{-0.00}	0.98 ^{+1.25} _{-0.73}	4.02 ^{+0.01} _{-0.01}	0.11 ^{+0.00} _{-0.00}
c		6771.07 ^{+1223.25} _{-972.87}	1695.71 ^{+186.49} _{-272.94}	0.80 ^{+0.04} _{-0.03}		80.82 ^{+7.66} _{-7.35}	6.50 ^{+0.76} _{-0.64}
HAT-P-6 b	1.29	3.85 ^{+1126.88} _{-85.42}	107.11 ^{+13.37} _{-101.50}	0.11 ^{+0.60} _{-0.09}	48.20 ^{+37.86} _{-35.69}	1.00 ^{+0.14} _{-0.91}	0.05 ^{+2.26} _{-0.00}
c		87.07 ^{+4320.01} _{-0.01}	8.92 ^{+63.07} _{-7.84}	0.55 ^{+0.33} _{-0.38}		0.14 ^{+1.66} _{-0.12}	0.42 ^{+5.31} _{-0.39}
HAT-P-8 b	1.28	3.08 ^{+0.00} _{-0.01}	160.51 ^{+8.09} _{-6.77}	0.05 ^{+0.06} _{-0.03}	4.94 ^{+4.87} _{-3.95}	1.35 ^{+0.07} _{-0.06}	0.05 ^{+0.00} _{-0.00}
c		24.39 ^{+2317.94} _{-23.15}	11.23 ^{+49.73} _{-9.61}	0.54 ^{+0.33} _{-0.37}		0.13 ^{+1.02} _{-0.11}	0.18 ^{+3.57} _{-0.15}
HAT-P-9 b	1.30	3.92 ^{+0.00} _{-0.00}	84.33 ^{+11.66} _{-9.75}	0.17 ^{+0.14} _{-0.10}	3.28 ^{+8.16} _{-2.70}	0.77 ^{+0.10} _{-0.09}	0.05 ^{+0.00} _{-0.00}
c		138.54 ^{+4330.13} _{-136.58}	8.19 ^{+35.70} _{-7.18}	0.53 ^{+0.33} _{-0.37}		0.13 ^{+1.31} _{-0.12}	0.57 ^{+5.22} _{-0.54}
HD 101930 b	0.74	70.64 ^{+0.48} _{-0.44}	18.14 ^{+0.93} _{-0.92}	0.08 ^{+0.05} _{-0.05}	1.62 ^{+0.71} _{-0.64}	0.30 ^{+0.02} _{-0.02}	0.30 ^{+0.00} _{-0.00}
c		362.82 ^{+3814.57} _{-357.99}	2.85 ^{+7.90} _{-2.19}	0.55 ^{+0.33} _{-0.36}		0.05 ^{+0.26} _{-0.04}	0.90 ^{+3.69} _{-0.85}
HD 108874 b	0.95	395.33 ^{+0.97} _{-0.94}	37.76 ^{+1.14} _{-1.14}	0.07 ^{+0.03} _{-0.03}	0.81 ^{+0.91} _{-0.60}	1.31 ^{+0.04} _{-0.04}	1.04 ^{+0.00} _{-0.00}
c		1608.44 ^{+41.21} _{-33.38}	18.43 ^{+0.95} _{-0.90}	0.25 ^{+0.04} _{-0.04}		0.99 ^{+0.06} _{-0.05}	2.64 ^{+0.04} _{-0.04}
HD 11506 b	1.19	1337.48 ^{+247.15} _{-64.76}	65.38 ^{+18.91} _{-6.35}	0.30 ^{+0.16} _{-0.08}	4.08 ^{+1.63} _{-1.35}	3.78 ^{+1.15} _{-0.35}	2.52 ^{+0.30} _{-0.08}
c		170.36 ^{+1.82} _{-89.93}	25.54 ^{+6.16} _{-7.51}	0.36 ^{+0.13} _{-0.17}		0.73 ^{+0.16} _{-0.32}	0.64 ^{+0.00} _{-0.25}
HD 118203 b	1.23	6.13 ^{+0.00} _{-0.00}	217.20 ^{+4.95} _{-4.82}	0.31 ^{+0.02} _{-0.02}	14.34 ^{+3.29} _{-2.96}	2.14 ^{+0.04} _{-0.04}	0.07 ^{+0.00} _{-0.00}
c		6753.13 ^{+5243.74} _{-3967.75}	397.12 ^{+386.81} _{-294.44}	0.51 ^{+0.24} _{-0.33}		31.82 ^{+40.68} _{-24.02}	7.49 ^{+3.50} _{-3.34}
HD 12661 b	1.14	262.67 ^{+0.12} _{-0.09}	74.33 ^{+0.73} _{-0.72}	0.36 ^{+0.01} _{-0.01}	3.02 ^{+0.67} _{-0.64}	2.39 ^{+0.02} _{-0.02}	0.84 ^{+0.00} _{-0.00}
c		1681.47 ^{+29.15} _{-26.29}	29.16 ^{+0.79} _{-0.83}	0.02 ^{+0.02} _{-0.01}		1.86 ^{+0.05} _{-0.05}	2.89 ^{+0.03} _{-0.03}
HD 128311 b	0.83	458.32 ^{+3.00} _{-2.95}	53.71 ^{+5.30} _{-5.55}	0.33 ^{+0.06} _{-0.06}	16.15 ^{+1.55} _{-1.37}	1.69 ^{+0.18} _{-0.19}	1.09 ^{+0.00} _{-0.00}
c		924.69 ^{+6.43} _{-6.83}	75.43 ^{+3.28} _{-3.15}	0.14 ^{+0.10} _{-0.10}		3.14 ^{+0.12} _{-0.12}	1.74 ^{+0.01} _{-0.01}
HD 131664 b	1.10	1964.51 ^{+35.83} _{-45.84}	363.85 ^{+31.98} _{-23.96}	0.64 ^{+0.03} _{-0.03}	4.67 ^{+0.86} _{-0.74}	18.28 ^{+1.10} _{-0.86}	3.17 ^{+0.04} _{-0.05}
c		561.36 ^{+1790.01} _{-558.23}	5.40 ^{+10.32} _{-4.29}	0.46 ^{+0.39} _{-0.31}		0.14 ^{+0.53} _{-0.13}	1.37 ^{+2.20} _{-1.33}
HD 132406 b	1.09	1156.94 ^{+381.48} _{-815.09}	89.58 ^{+49.38} _{-63.98}	0.39 ^{+0.29} _{-0.25}	6.90 ^{+9.73} _{-5.67}	4.75 ^{+2.15} _{-3.97}	2.22 ^{+0.46} _{-1.23}
c		540.91 ^{+892.18} _{-326.23}	49.33 ^{+68.99} _{-27.88}	0.39 ^{+0.31} _{-0.24}		1.74 ^{+4.10} _{-1.19}	1.34 ^{+1.22} _{-0.62}
HD 142 b	1.23	349.57 ^{+3.40} _{-3.58}	29.66 ^{+4.66} _{-4.22}	0.20 ^{+0.11} _{-0.11}	8.74 ^{+1.54} _{-1.34}	1.15 ^{+0.16} _{-0.15}	1.04 ^{+0.01} _{-0.01}
c		9822.95 ^{+3348.44} _{-3208.17}	53.42 ^{+53.99} _{-17.59}	0.18 ^{+0.20} _{-0.13}		6.27 ^{+7.33} _{-2.53}	9.62 ^{+2.08} _{-2.23}
HD 142022 b	0.90	1877.47 ^{+35.74} _{-20.20}	127.61 ^{+84.60} _{-35.05}	0.62 ^{+0.11} _{-0.10}	2.84 ^{+1.76} _{-1.47}	5.70 ^{+2.52} _{-1.21}	2.88 ^{+0.04} _{-0.02}
c		244.04 ^{+6905.04} _{-242.28}	3.41 ^{+8.61} _{-2.65}	0.52 ^{+0.35} _{-0.36}		0.05 ^{+6.27} _{-0.52}	0.74 ^{+6.27} _{-0.71}
HD 149143 b	1.20	4.07 ^{+0.00} _{-0.00}	149.85 ^{+1.79} _{-1.66}	0.01 ^{+0.01} _{-0.00}	1.33 ^{+1.83} _{-1.02}	1.33 ^{+0.02} _{-0.01}	0.05 ^{+0.00} _{-0.00}
c		248.47 ^{+3300.06} _{-245.40}	3.73 ^{+13.28} _{-3.00}	0.55 ^{+0.33} _{-0.37}		0.07 ^{+0.55} _{-0.06}	0.82 ^{+4.02} _{-0.78}
HD 154345 b	0.89	3216.13 ^{+150.82} _{-3170.93}	13.11 ^{+1.63} _{-10.59}	0.10 ^{+0.47} _{-0.08}	2.38 ^{+0.47} _{-0.41}	0.87 ^{+0.12} _{-0.84}	4.10 ^{+0.13} _{-3.86}
c		2695.22 ^{+697.19} _{-2649.86}	6.21 ^{+8.30} _{-4.22}	0.15 ^{+0.55} _{-0.11}		0.15 ^{+0.83} _{-0.13}	3.65 ^{+0.60} _{-3.41}
HD 155358 b	0.87	193.24 ^{+0.98} _{-0.97}	32.88 ^{+1.51} _{-1.50}	0.13 ^{+0.04} _{-0.04}	5.59 ^{+0.72} _{-0.65}	0.84 ^{+0.04} _{-0.04}	0.62 ^{+0.00} _{-0.00}
c		314.82 ^{+4.92} _{-3.95}	33.63 ^{+41.74} _{-12.77}	0.83 ^{+0.12} _{-0.17}		0.57 ^{+0.23} _{-0.11}	0.86 ^{+0.01} _{-0.01}
HD 162020 b	0.80	8.43 ^{+0.00} _{-0.00}	1808.83 ^{+5.13} _{-5.09}	0.28 ^{+0.00} _{-0.00}	10.45 ^{+2.84} _{-2.75}	15.00 ^{+0.04} _{-0.04}	0.08 ^{+0.00} _{-0.00}
c		180.71 ^{+3271.59} _{-175.94}	6.73 ^{+21.75} _{-5.73}	0.57 ^{+0.33} _{-0.39}		0.10 ^{+0.41} _{-0.09}	0.58 ^{+3.57} _{-0.53}
HD 168443 b	1.01	58.11 ^{+0.00} _{-0.00}	529.04 ^{+82.29} _{-52.08}	0.57 ^{+0.04} _{-0.04}	7.80 ^{+3.15} _{-2.74}	8.37 ^{+0.93} _{-0.61}	0.29 ^{+0.00} _{-0.00}
c		1755.58 ^{+6.65} _{-7.25}	302.53 ^{+3.86} _{-3.76}	0.23 ^{+0.02} _{-0.02}		17.61 ^{+0.21} _{-0.21}	2.86 ^{+0.01} _{-0.01}
HD 169830 b	1.41	225.61 ^{+0.29} _{-0.31}	83.01 ^{+3.29} _{-3.25}	0.37 ^{+0.03} _{-0.03}	1.46 ^{+2.36} _{-1.13}	2.91 ^{+0.11} _{-0.11}	0.81 ^{+0.00} _{-0.00}
c		139.53 ^{+4188.83} _{-137.98}	3.39 ^{+9.48} _{-2.78}	0.55 ^{+0.33} _{-0.37}		0.05 ^{+0.43} _{-0.05}	0.59 ^{+5.24} _{-0.56}
HD 171028 b	0.99	267.54 ^{+7.12} _{-4.33}	47.44 ^{+5.43} _{-2.78}	0.57 ^{+0.13} _{-0.08}	1.77 ^{+0.66} _{-0.47}	1.23 ^{+0.18} _{-0.19}	0.81 ^{+0.01} _{-0.01}
c		498.38 ^{+29.74} _{-41.02}	72.24 ^{+80.06} _{-23.28}	0.61 ^{+0.15} _{-0.11}		2.27 ^{+1.75} _{-0.69}	1.23 ^{+0.05} _{-0.07}
HD 183263 b	1.12	625.64 ^{+0.96} _{-0.59}	86.82 ^{+1.28} _{-1.28}	0.38 ^{+0.01} _{-0.01}	3.54 ^{+0.57} _{-0.48}	3.65 ^{+0.05} _{-0.05}	1.49 ^{+0.00} _{-0.00}
c		4630.04 ^{+1456.78} _{-1072.15}	74.41 ^{+42.59} _{-19.98}	0.07 ^{+0.09} _{-0.05}		6.57 ^{+4.72} _{-2.18}	5.65 ^{+1.13} _{-0.91}
HD 185269 b	1.30	6.84 ^{+0.00} _{-0.00}	89.81 ^{+4.33} _{-4.08}	0.28 ^{+0.03} _{-0.04}	7.14 ^{+2.10} _{-2.25}	0.96 ^{+0.04} _{-0.04}	0.08 ^{+0.00} _{-0.00}
c		32.98 ^{+2639.27} _{-31.94}	4.17 ^{+9.25} _{-3.46}	0.55 ^{+0.32} _{-0.36}		0.05 ^{+0.19} _{-0.04}	0.22 ^{+3.89} _{-0.20}
HD 187123 b	1.04	3.10 ^{+0.00} _{-0.00}	69.57 ^{+0.49} _{-0.49}	0.01 ^{+0.01} _{-0.01}	0.49 ^{+0.53} _{-0.35}	0.51 ^{+0.00} _{-0.00}	0.04 ^{+0.00} _{-0.00}
c		5502.18 ^{+2809.80} _{-1322.20}	28.50 ^{+5.09} _{-3.06}	0.32 ^{+0.12} _{-0.08}		2.42 ^{+0.67} _{-0.40}	6.18 ^{+1.96} _{-1.03}

Table A2 – continued

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
HD 189733 b	0.81	$2.22^{+0.00}_{-0.00}$	$198.36^{+4.00}_{-4.07}$	$0.02^{+0.02}_{-0.02}$	$11.26^{+0.98}_{-0.87}$	$1.11^{+0.02}_{-0.02}$	$0.03^{+0.00}_{-0.00}$
c		$3.92^{+0.00}_{-0.00}$	$25.58^{+4.20}_{-3.99}$	$0.96^{+0.01}_{-0.01}$		$0.05^{+0.01}_{-0.01}$	$0.05^{+0.00}_{-0.00}$
HD 190228 b	1.82	$1140.04^{+16.47}_{-15.62}$	$92.35^{+5.40}_{-3.72}$	$0.52^{+0.05}_{-0.04}$	$1.20^{+1.82}_{-0.91}$	$6.07^{+4.92}_{-6.64}$	$2.61^{+0.03}_{-0.02}$
c		$149.82^{+3434.51}_{-147.94}$	$2.23^{+5.57}_{-1.79}$	$0.55^{+0.33}_{-0.37}$		$0.05^{+0.30}_{-0.04}$	$0.67^{+4.92}_{-0.64}$
HD 190360 b	0.98	$2925.88^{+36.43}_{-41.38}$	$18.84^{+2.95}_{-3.16}$	$0.34^{+0.13}_{-0.12}$	$5.31^{+1.64}_{-2.14}$	$1.23^{+0.16}_{-0.20}$	$3.98^{+0.03}_{-0.04}$
c		$184.70^{+3848.83}_{-181.67}$	$5.10^{+10.61}_{-4.14}$	$0.55^{+0.32}_{-0.35}$		$0.09^{+0.49}_{-0.08}$	$0.63^{+4.30}_{-0.59}$
HD 190647 b	1.10	$1036.28^{+8.27}_{-14.95}$	$36.17^{+1.89}_{-1.75}$	$0.17^{+0.03}_{-0.04}$	$0.59^{+0.68}_{-0.43}$	$1.89^{+0.10}_{-0.10}$	$2.07^{+0.01}_{-0.02}$
c		$422.54^{+3134.94}_{-411.93}$	$2.88^{+13.42}_{-2.23}$	$0.55^{+0.30}_{-0.36}$		$0.08^{+0.77}_{-0.07}$	$1.14^{+3.57}_{-1.04}$
HD 195019 b	1.02	$45.87^{+11.86}_{-0.76}$	$176.87^{+70.77}_{-43.26}$	$0.79^{+0.11}_{-0.17}$	$149.90^{+9.71}_{-8.67}$	$1.96^{+0.64}_{-0.42}$	$0.25^{+0.04}_{-0.00}$
c		$51.93^{+0.08}_{-0.10}$	$159.88^{+33.08}_{-34.85}$	$0.74^{+0.07}_{-0.08}$		$1.95^{+0.52}_{-0.45}$	$0.27^{+0.00}_{-0.00}$
HD 202206 b	1.07	$255.87^{+0.08}_{-0.08}$	$706.93^{+119.27}_{-65.64}$	$0.37^{+0.02}_{-0.02}$	$23.09^{+2.18}_{-1.91}$	$21.46^{+3.75}_{-2.07}$	$0.81^{+0.00}_{-0.00}$
c		$258.20^{+1.14}_{-1.02}$	$291.17^{+164.81}_{-66.27}$	$0.26^{+0.06}_{-0.06}$		$9.23^{+4.97}_{-2.03}$	$0.81^{+0.00}_{-0.00}$
HD 20868 b	0.78	$380.86^{+0.08}_{-0.08}$	$100.22^{+0.45}_{-0.46}$	$0.76^{+0.00}_{-0.00}$	$0.74^{+0.43}_{-0.48}$	$1.99^{+0.01}_{-0.01}$	$0.95^{+0.00}_{-0.00}$
c		$111.05^{+1942.40}_{-110.42}$	$1.59^{+2.19}_{-1.07}$	$0.60^{+0.30}_{-0.38}$		$0.02^{+0.07}_{-0.01}$	$0.42^{+2.49}_{-0.40}$
HD 209458 b	1.13	$3.52^{+0.00}_{-0.00}$	$84.27^{+0.85}_{-0.84}$	$0.01^{+0.01}_{-0.01}$	$2.91^{+0.79}_{-0.88}$	$0.68^{+0.01}_{-0.01}$	$0.05^{+0.00}_{-0.00}$
c		$264.63^{+1050.15}_{-259.91}$	$2.85^{+3.04}_{-2.03}$	$0.54^{+0.34}_{-0.37}$		$0.07^{+0.11}_{-0.06}$	$0.84^{+1.61}_{-0.78}$
HD 212301 b	1.05	$2.25^{+0.00}_{-0.00}$	$56.85^{+1.92}_{-1.93}$	$0.09^{+0.04}_{-0.04}$	$5.42^{+1.58}_{-1.26}$	$0.38^{+0.01}_{-0.01}$	$0.03^{+0.00}_{-0.00}$
c		$2356.61^{+6274.66}_{-2104.70}$	$26.81^{+76.37}_{-17.28}$	$0.52^{+0.35}_{-0.36}$		$1.22^{+4.93}_{-0.89}$	$3.52^{+4.85}_{-2.73}$
HD 217107 b	1.11	$7.13^{+0.00}_{-0.00}$	$138.34^{+1.11}_{-1.11}$	$0.13^{+0.01}_{-0.01}$	$10.19^{+0.64}_{-0.59}$	$1.39^{+0.01}_{-0.01}$	$0.08^{+0.00}_{-0.00}$
c		$4106.23^{+248.05}_{-113.88}$	$39.48^{+13.92}_{-3.49}$	$0.56^{+0.04}_{-0.03}$		$2.77^{+1.00}_{-0.27}$	$5.20^{+0.21}_{-0.10}$
HD 219828 b	1.24	$3.83^{+0.00}_{-0.00}$	$7.22^{+0.59}_{-0.62}$	$0.09^{+0.09}_{-0.06}$	$1.78^{+0.55}_{-0.39}$	$0.06^{+0.01}_{-0.01}$	$0.05^{+0.00}_{-0.00}$
c		$956.74^{+1301.58}_{-366.96}$	$78.15^{+131.30}_{-45.22}$	$0.53^{+0.17}_{-0.20}$		$3.55^{+10.00}_{-2.29}$	$2.04^{+1.58}_{-0.56}$
HD 221287 b	1.30	$455.12^{+6.45}_{-4.50}$	$71.62^{+16.56}_{-7.17}$	$0.13^{+0.12}_{-0.08}$	$8.00^{+2.88}_{-2.87}$	$3.21^{+0.65}_{-0.32}$	$1.26^{+0.01}_{-0.01}$
c		$0.60^{+525.67}_{-0.00}$	$9.66^{+6.31}_{-8.16}$	$0.41^{+0.39}_{-0.28}$		$0.05^{+0.11}_{-0.04}$	$0.02^{+1.38}_{-0.00}$
HD 224693 b	1.30	$26.75^{+0.03}_{-0.03}$	$38.90^{+1.77}_{-1.72}$	$0.04^{+0.04}_{-0.03}$	$1.81^{+1.07}_{-1.11}$	$0.68^{+0.03}_{-0.03}$	$0.19^{+0.00}_{-0.00}$
c		$7882.48^{+4298.55}_{-3049.23}$	$1849.37^{+94.81}_{-501.16}$	$0.68^{+0.12}_{-0.11}$		$153.48^{+42.92}_{-58.00}$	$8.46^{+2.85}_{-2.35}$
HD 23127 b	1.13	$1219.14^{+36.54}_{-1099.09}$	$25.84^{+4.15}_{-22.15}$	$0.44^{+0.17}_{-0.14}$	$10.66^{+2.22}_{-1.81}$	$1.31^{+0.23}_{-1.26}$	$2.33^{+0.05}_{-1.83}$
c		$1124.66^{+841.10}_{-1121.44}$	$8.38^{+19.55}_{-7.33}$	$0.46^{+0.34}_{-0.24}$		$0.15^{+1.28}_{-0.14}$	$2.20^{+0.99}_{-2.16}$
HD 2638 b	0.93	$3.44^{+0.00}_{-0.00}$	$67.54^{+0.87}_{-0.84}$	$0.01^{+0.01}_{-0.01}$	$2.52^{+0.98}_{-0.94}$	$0.48^{+0.01}_{-0.01}$	$0.04^{+0.00}_{-0.00}$
c		$26.04^{+1978.12}_{-25.00}$	$4.45^{+9.20}_{-2.36}$	$0.41^{+0.39}_{-0.27}$		$0.05^{+0.34}_{-0.03}$	$0.17^{+2.87}_{-0.15}$
HD 27442 b	1.20	$417.14^{+945.92}_{-9.45}$	$31.26^{+2.69}_{-28.78}$	$0.10^{+0.49}_{-0.06}$	$2.57^{+1.53}_{-1.47}$	$1.29^{+0.11}_{-1.22}$	$1.16^{+1.40}_{-0.02}$
c		$410.58^{+866.97}_{-407.42}$	$6.33^{+26.90}_{-5.26}$	$0.30^{+0.52}_{-0.26}$		$0.14^{+1.23}_{-0.12}$	$1.15^{+1.30}_{-1.10}$
HD 27894 b	0.75	$17.98^{+0.03}_{-0.01}$	$56.34^{+2.56}_{-1.29}$	$0.05^{+0.03}_{-0.03}$	$0.71^{+1.02}_{-0.53}$	$0.60^{+0.03}_{-0.01}$	$0.12^{+0.00}_{-0.00}$
c		$23.31^{+9.65}_{-0.23}$	$10.37^{+2.85}_{-1.71}$	$0.28^{+0.44}_{-0.22}$		$0.12^{+0.02}_{-0.02}$	$0.15^{+0.04}_{-0.00}$
HD 28185 b	0.99	$381.37^{+1.22}_{-2.47}$	$161.15^{+8.85}_{-10.53}$	$0.04^{+0.03}_{-0.03}$	$4.00^{+2.23}_{-2.54}$	$5.71^{+0.32}_{-0.38}$	$1.03^{+0.00}_{-0.00}$
c		$508.09^{+1160.41}_{-198.94}$	$22.84^{+26.97}_{-11.21}$	$0.37^{+0.36}_{-0.21}$		$0.86^{+1.01}_{-0.49}$	$1.24^{+1.50}_{-0.35}$
HD 285968 b	0.49	$10.23^{+0.01}_{-1.62}$	$10.62^{+2.09}_{-5.78}$	$0.19^{+0.29}_{-0.14}$	$1.91^{+1.90}_{-1.45}$	$0.07^{+0.01}_{-0.04}$	$0.07^{+0.00}_{-0.01}$
c		$10.25^{+1457.68}_{-8.28}$	$3.84^{+7.55}_{-3.20}$	$0.43^{+0.41}_{-0.32}$		$0.03^{+0.05}_{-0.02}$	$0.07^{+1.92}_{-0.05}$
HD 330075 b	0.70	$3.39^{+0.00}_{-0.00}$	$106.96^{+1.00}_{-1.00}$	$0.01^{+0.01}_{-0.00}$	$1.65^{+0.78}_{-0.68}$	$0.62^{+0.01}_{-0.01}$	$0.04^{+0.00}_{-0.00}$
c		$655.66^{+6970.11}_{-589.87}$	$10.51^{+98.32}_{-8.53}$	$0.42^{+0.40}_{-0.33}$		$0.27^{+5.27}_{-0.24}$	$1.31^{+5.42}_{-1.03}$
HD 33636 b	1.02	$2127.71^{+11.43}_{-10.98}$	$773.84^{+123.39}_{-762.03}$	$0.89^{+0.03}_{-0.22}$	$0.64^{+0.71}_{-0.47}$	$22.86^{+3.33}_{-22.32}$	$3.26^{+0.01}_{-0.01}$
c		$7841.32^{+3695.12}_{-3270.74}$	$1923.73^{+58.92}_{-174.57}$	$0.61^{+0.03}_{-0.01}$		$149.03^{+17.99}_{-27.71}$	$7.78^{+2.28}_{-2.35}$
HD 3651 b	0.88	$62.25^{+0.03}_{-0.03}$	$16.14^{+1.46}_{-1.48}$	$0.60^{+0.05}_{-0.06}$	$4.41^{+0.52}_{-0.46}$	$0.23^{+0.01}_{-0.02}$	$0.29^{+0.00}_{-0.00}$
c		$294.67^{+61.62}_{-195.79}$	$3.49^{+1.88}_{-1.60}$	$0.32^{+0.41}_{-0.23}$		$0.10^{+0.05}_{-0.06}$	$0.83^{+0.11}_{-0.43}$
HD 38529 b	1.48	$14.31^{+0.00}_{-0.00}$	$54.97^{+1.70}_{-1.66}$	$0.17^{+0.03}_{-0.03}$	$13.11^{+0.93}_{-0.86}$	$0.84^{+0.03}_{-0.02}$	$0.13^{+0.00}_{-0.00}$
c		$2148.41^{+5.95}_{-7.87}$	$170.83^{+1.92}_{-1.86}$	$0.34^{+0.01}_{-0.01}$		$13.23^{+0.14}_{-0.14}$	$3.71^{+0.01}_{-0.01}$
HD 4203 b	1.13	$438.04^{+7.20}_{-4.69}$	$56.24^{+29.91}_{-9.58}$	$0.69^{+0.13}_{-0.08}$	$1.39^{+1.65}_{-1.04}$	$1.72^{+0.53}_{-0.38}$	$1.18^{+0.01}_{-0.01}$
c		$391.98^{+202.96}_{-200.21}$	$10.70^{+11.08}_{-3.76}$	$0.32^{+0.33}_{-0.23}$		$0.37^{+0.42}_{-0.20}$	$1.09^{+0.35}_{-0.41}$
HD 4208 b	0.88	$829.27^{+9.57}_{-9.59}$	$18.79^{+0.82}_{-0.95}$	$0.06^{+0.05}_{-0.04}$	$0.80^{+0.92}_{-0.58}$	$0.80^{+0.04}_{-0.04}$	$1.66^{+0.01}_{-0.01}$
c		$129.04^{+708.37}_{-121.12}$	$2.62^{+3.03}_{-1.80}$	$0.53^{+0.34}_{-0.39}$		$0.05^{+0.07}_{-0.04}$	$0.48^{+1.19}_{-0.40}$

Table A2 – *continued*

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
HD 43691 b	1.38	$36.96^{+0.04}_{-0.05}$	$125.00^{+4.49}_{-4.59}$	$0.12^{+0.04}_{-0.04}$	$11.09^{+3.45}_{-2.98}$	$2.52^{+0.10}_{-0.10}$	$0.24^{+0.00}_{-0.00}$
c		$516.72^{+5417.79}_{-471.62}$	$19.26^{+70.84}_{-11.52}$	$0.45^{+0.36}_{-0.31}$		$0.57^{+5.63}_{-0.39}$	$1.40^{+5.74}_{-1.13}$
HD 43848 b	0.93	$2305.82^{+158.97}_{-2261.64}$	$476.62^{+555.76}_{-471.61}$	$0.73^{+0.12}_{-0.35}$	$4.49^{+4.32}_{-3.44}$	$22.16^{+14.50}_{-22.11}$	$3.33^{+0.15}_{-3.10}$
c		$2261.82^{+513.95}_{-2252.19}$	$44.31^{+612.06}_{-41.42}$	$0.67^{+0.16}_{-0.37}$		$1.41^{+26.25}_{-1.38}$	$3.29^{+0.48}_{-3.21}$
HD 46375 b	0.93	$3.02^{+0.00}_{-0.00}$	$33.79^{+0.79}_{-0.81}$	$0.05^{+0.03}_{-0.03}$	$2.92^{+0.70}_{-0.71}$	$0.23^{+0.01}_{-0.01}$	$0.04^{+0.00}_{-0.00}$
c		$30.41^{+931.01}_{-29.23}$	$2.93^{+4.85}_{-2.28}$	$0.65^{+0.25}_{-0.42}$		$0.03^{+0.08}_{-0.02}$	$0.19^{+1.67}_{-0.16}$
HD 47536 b	0.94	$713.17^{+4061.39}_{-662.35}$	$87.58^{+41.26}_{-81.24}$	$0.30^{+0.47}_{-0.14}$	$4.58^{+9.07}_{-3.83}$	$3.76^{+1.67}_{-3.69}$	$1.53^{+3.91}_{-1.27}$
c		$698.09^{+24.29}_{-686.96}$	$105.12^{+22.10}_{-98.90}$	$0.18^{+0.40}_{-0.14}$		$4.33^{+0.95}_{-4.28}$	$1.51^{+0.03}_{-1.41}$
HD 49674 b	1.01	$4.95^{+0.00}_{-0.00}$	$11.88^{+1.04}_{-1.00}$	$0.09^{+0.08}_{-0.06}$	$2.56^{+1.04}_{-1.11}$	$0.10^{+0.01}_{-0.01}$	$0.06^{+0.00}_{-0.00}$
c		$275.09^{+2808.10}_{-248.28}$	$4.23^{+4.57}_{-2.19}$	$0.64^{+0.30}_{-0.42}$		$0.10^{+0.10}_{-0.07}$	$0.83^{+3.33}_{-0.65}$
HD 50499 b	1.28	$2450.67^{+54.08}_{-45.96}$	$21.82^{+1.91}_{-1.90}$	$0.25^{+0.07}_{-0.07}$	$2.95^{+1.02}_{-1.08}$	$1.65^{+0.15}_{-0.15}$	$3.86^{+0.06}_{-0.05}$
c		$9734.20^{+3449.64}_{-3466.65}$	$57.00^{+109.73}_{-32.17}$	$0.54^{+0.30}_{-0.34}$		$5.58^{+6.81}_{-2.96}$	$9.69^{+2.17}_{-2.46}$
HD 5319 b	1.60	$684.85^{+13.55}_{-20.85}$	$37.35^{+9.92}_{-4.77}$	$0.11^{+0.12}_{-0.07}$	$5.43^{+1.03}_{-0.82}$	$2.20^{+0.54}_{-0.28}$	$1.78^{+0.02}_{-0.04}$
c		$1541.64^{+1673.87}_{-412.57}$	$15.24^{+7.88}_{-3.29}$	$0.41^{+0.29}_{-0.28}$		$1.08^{+0.56}_{-0.23}$	$3.05^{+1.93}_{-0.57}$
HD 63454 b	0.80	$2.82^{+0.00}_{-0.00}$	$63.26^{+1.78}_{-1.79}$	$0.02^{+0.03}_{-0.02}$	$5.54^{+1.33}_{-1.18}$	$0.38^{+0.01}_{-0.01}$	$0.04^{+0.00}_{-0.00}$
c		$33.11^{+3825.01}_{-32.19}$	$3.07^{+7.74}_{-2.50}$	$0.57^{+0.33}_{-0.39}$		$0.03^{+0.15}_{-0.02}$	$0.19^{+4.28}_{-0.17}$
HD 68988 b	1.12	$6.28^{+0.00}_{-0.00}$	$189.57^{+1.57}_{-1.59}$	$0.16^{+0.01}_{-0.01}$	$3.36^{+1.19}_{-1.11}$	$1.83^{+0.01}_{-0.01}$	$0.07^{+0.00}_{-0.00}$
c		$4053.58^{+1411.19}_{-588.92}$	$68.13^{+13.26}_{-6.01}$	$0.16^{+0.09}_{-0.07}$		$5.69^{+1.68}_{-0.72}$	$5.17^{+1.14}_{-0.51}$
HD 73267 b	0.89	$1278.04^{+16.28}_{-23.90}$	$73.21^{+19.97}_{-5.33}$	$0.28^{+0.03}_{-0.09}$	$0.99^{+0.49}_{-0.55}$	$3.46^{+1.00}_{-0.23}$	$2.22^{+0.02}_{-0.03}$
c		$1265.34^{+6.17}_{-9.40}$	$18.63^{+19.36}_{-8.74}$	$0.56^{+0.23}_{-0.53}$		$0.72^{+1.12}_{-0.43}$	$2.20^{+0.01}_{-0.01}$
HD 73526 b	1.01	$193.42^{+0.47}_{-1.50}$	$114.30^{+8.71}_{-8.35}$	$0.52^{+0.04}_{-0.05}$	$9.51^{+2.84}_{-2.23}$	$2.79^{+0.16}_{-0.16}$	$0.66^{+0.00}_{-0.00}$
c		$178.17^{+0.53}_{-1.50}$	$45.30^{+9.09}_{-6.41}$	$0.70^{+0.08}_{-0.09}$		$0.91^{+0.13}_{-0.11}$	$0.62^{+0.00}_{-0.00}$
HD 74156 b	1.24	$51.65^{+0.01}_{-0.01}$	$116.23^{+3.58}_{-3.46}$	$0.65^{+0.01}_{-0.01}$	$8.55^{+0.85}_{-0.74}$	$1.88^{+0.04}_{-0.04}$	$0.29^{+0.00}_{-0.00}$
c		$2519.02^{+20.76}_{-20.00}$	$109.95^{+13.05}_{-9.31}$	$0.41^{+0.05}_{-0.05}$		$7.74^{+1.12}_{-0.85}$	$3.89^{+0.02}_{-0.02}$
HD 75289 b	1.19	$3.51^{+0.00}_{-0.00}$	$53.94^{+1.37}_{-1.33}$	$0.02^{+0.02}_{-0.01}$	$0.73^{+1.03}_{-0.55}$	$0.45^{+0.01}_{-0.01}$	$0.05^{+0.00}_{-0.00}$
c		$112.58^{+5535.62}_{-110.72}$	$2.51^{+10.42}_{-2.03}$	$0.54^{+0.34}_{-0.37}$		$0.04^{+0.61}_{-0.04}$	$0.48^{+6.09}_{-0.45}$
HD 75898 b	1.30	$419.62^{+10.28}_{-8.47}$	$69.03^{+9.74}_{-8.65}$	$0.10^{+0.08}_{-0.07}$	$5.21^{+1.49}_{-1.04}$	$3.00^{+0.43}_{-0.34}$	$1.20^{+0.02}_{-0.02}$
c		$368.23^{+6020.36}_{-59.73}$	$32.11^{+86.77}_{-16.18}$	$0.51^{+0.32}_{-0.34}$		$1.34^{+5.41}_{-0.77}$	$1.10^{+6.26}_{-0.12}$
HD 76700 b	1.13	$4.44^{+368.07}_{-0.47}$	$12.00^{+15.68}_{-10.10}$	$0.23^{+0.54}_{-0.19}$	$7.53^{+3.00}_{-4.24}$	$0.22^{+0.07}_{-0.19}$	$0.06^{+1.00}_{-0.00}$
c		$1.33^{+0.00}_{-0.01}$	$21.74^{+4.32}_{-18.71}$	$0.14^{+0.43}_{-0.10}$		$0.13^{+0.03}_{-0.11}$	$0.02^{+0.00}_{-0.00}$
HD 80606 b	0.96	$111.44^{+0.00}_{-0.00}$	$857.60^{+577.43}_{-312.73}$	$0.97^{+0.02}_{-0.02}$	$2.84^{+4.11}_{-2.27}$	$4.30^{+0.86}_{-0.56}$	$0.45^{+0.00}_{-0.00}$
c		$0.49^{+0.00}_{-0.00}$	$18.43^{+4.06}_{-3.77}$	$0.41^{+0.20}_{-0.29}$		$0.06^{+0.01}_{-0.01}$	$0.01^{+0.00}_{-0.00}$
HD 81040 b	0.96	$1100.01^{+7.14}_{-8.03}$	$178.02^{+11.03}_{-12.52}$	$0.48^{+0.08}_{-0.06}$	$8.20^{+12.12}_{-6.91}$	$7.75^{+0.37}_{-0.58}$	$2.06^{+0.01}_{-0.01}$
c		$207.07^{+265.81}_{-177.01}$	$33.11^{+13.01}_{-12.96}$	$0.25^{+0.44}_{-0.18}$		$0.87^{+0.34}_{-0.63}$	$0.68^{+0.50}_{-0.49}$
HD 82943 b	1.13	$221.52^{+1.41}_{-1.59}$	$62.85^{+9.22}_{-7.35}$	$0.35^{+0.05}_{-0.05}$	$3.83^{+1.51}_{-1.36}$	$1.90^{+0.32}_{-0.25}$	$0.75^{+0.00}_{-0.00}$
c		$445.99^{+4.32}_{-4.96}$	$37.75^{+3.92}_{-3.57}$	$0.25^{+0.14}_{-0.17}$		$1.48^{+0.10}_{-0.11}$	$1.19^{+0.01}_{-0.01}$
HD 8574 b	1.12	$227.24^{+0.70}_{-0.69}$	$65.11^{+3.48}_{-3.41}$	$0.30^{+0.04}_{-0.04}$	$3.86^{+3.52}_{-3.02}$	$2.01^{+0.10}_{-0.10}$	$0.76^{+0.00}_{-0.00}$
c		$7931.89^{+4630.89}_{-4011.00}$	$59.61^{+114.58}_{-41.65}$	$0.52^{+0.30}_{-0.33}$		$4.80^{+8.94}_{-3.38}$	$8.08^{+2.90}_{-3.03}$
HD 86081 b	1.21	$2.14^{+0.00}_{-0.00}$	$207.62^{+0.84}_{-0.84}$	$0.01^{+0.01}_{-0.00}$	$0.68^{+0.84}_{-0.50}$	$1.49^{+0.01}_{-0.01}$	$0.03^{+0.00}_{-0.00}$
c		$554.39^{+5438.59}_{-549.17}$	$2.78^{+22.00}_{-2.24}$	$0.54^{+0.34}_{-0.37}$		$0.06^{+1.29}_{-0.06}$	$1.41^{+5.47}_{-1.34}$
HD 89307 b	0.99	$2173.22^{+50.00}_{-53.20}$	$34.25^{+21.54}_{-26.30}$	$0.33^{+0.41}_{-0.23}$	$3.05^{+5.33}_{-2.46}$	$2.05^{+0.83}_{-1.67}$	$3.27^{+0.05}_{-0.05}$
c		$318.89^{+7411.65}_{-317.49}$	$9.35^{+85.84}_{-8.33}$	$0.49^{+0.36}_{-0.33}$		$0.12^{+6.16}_{-0.11}$	$0.91^{+6.72}_{-0.89}$
HD 93083 b	0.70	$143.85^{+1.68}_{-1.71}$	$17.87^{+1.46}_{-1.47}$	$0.12^{+0.07}_{-0.07}$	$1.56^{+0.89}_{-0.83}$	$0.36^{+0.03}_{-0.03}$	$0.48^{+0.00}_{-0.00}$
c		$241.82^{+3377.10}_{-225.82}$	$4.26^{+9.78}_{-2.78}$	$0.51^{+0.34}_{-0.34}$		$0.09^{+0.40}_{-0.08}$	$0.67^{+3.42}_{-0.56}$
HR 810 b	1.11	$302.15^{+2.91}_{-281.12}$	$55.27^{+7.21}_{-47.77}$	$0.14^{+0.34}_{-0.10}$	$16.54^{+4.06}_{-3.58}$	$1.93^{+0.26}_{-1.86}$	$0.91^{+0.01}_{-0.76}$
c		$302.20^{+1507.67}_{-299.19}$	$18.06^{+39.95}_{-16.02}$	$0.38^{+0.46}_{-0.29}$		$0.48^{+1.53}_{-0.45}$	$0.91^{+2.10}_{-0.87}$
κ CrB b	1.80	$1185.12^{+158.87}_{-1182.23}$	$15.83^{+9.29}_{-14.64}$	$0.18^{+0.60}_{-0.15}$	$4.75^{+0.90}_{-0.84}$	$0.95^{+1.00}_{-0.93}$	$2.67^{+0.23}_{-2.62}$
c		$1198.66^{+128.88}_{-1181.54}$	$22.27^{+2.93}_{-21.04}$	$0.14^{+0.57}_{-0.11}$		$1.71^{+0.25}_{-1.69}$	$2.69^{+0.19}_{-2.53}$
NGC 2423 3 b	2.40	$357.54^{+4.89}_{-5.52}$	$107.45^{+56.48}_{-16.98}$	$0.47^{+0.13}_{-0.13}$	$31.88^{+4.64}_{-3.78}$	$5.91^{+3.13}_{-0.96}$	$1.32^{+0.01}_{-0.01}$
c		$234.98^{+3.77}_{-3.09}$	$55.95^{+7.84}_{-7.69}$	$0.09^{+0.11}_{-0.06}$		$3.02^{+0.42}_{-0.42}$	$1.00^{+0.01}_{-0.01}$

Table A2 – continued

Planet	m_* (M_\odot)	T (d)	K (m s^{-1})	e	s	$m_p \sin(i)$ (M_{Jup})	a (au)
NGC 4349 127 b	3.90	$678.17^{+7.23}_{-7.34}$	$188.39^{+15.39}_{-12.26}$	$0.14^{+0.05}_{-0.05}$	$14.64^{+4.03}_{-3.24}$	$19.97^{+1.73}_{-1.42}$	$2.38^{+0.02}_{-0.02}$
c		$213.34^{+3126.70}_{-210.52}$	$10.89^{+49.78}_{-9.60}$	$0.53^{+0.32}_{-0.34}$		$0.37^{+6.09}_{-0.34}$	$1.10^{+5.78}_{-1.04}$
τ Boo b	1.34	$3.31^{+0.00}_{-0.00}$	$467.29^{+5.35}_{-5.14}$	$0.02^{+0.01}_{-0.01}$	$27.05^{+5.09}_{-4.69}$	$4.17^{+0.05}_{-0.05}$	$0.05^{+0.00}_{-0.00}$
c		$11695.40^{+2209.03}_{-2416.40}$	$142.19^{+14.64}_{-13.08}$	$0.39^{+0.08}_{-0.11}$		$17.61^{+1.84}_{-1.68}$	$11.12^{+1.36}_{-1.59}$
TrES-3 b	0.92	$1.34^{+0.09}_{-0.05}$	$348.72^{+23.24}_{-75.06}$	$0.08^{+0.20}_{-0.06}$	$9.34^{+23.48}_{-8.01}$	$1.77^{+0.12}_{-0.45}$	$0.02^{+0.00}_{-0.00}$
c		$50.79^{+2572.53}_{-49.53}$	$87.40^{+641.98}_{-83.99}$	$0.46^{+0.35}_{-0.34}$		$1.26^{+11.74}_{-1.22}$	$0.26^{+3.35}_{-0.24}$
WASP-2 b	0.88	$2.15^{+0.00}_{-0.00}$	$159.33^{+8.66}_{-7.16}$	$0.22^{+0.12}_{-0.13}$	$2.63^{+6.47}_{-2.12}$	$0.90^{+0.04}_{-0.04}$	$0.03^{+0.00}_{-0.00}$
c		$265.16^{+4448.69}_{-263.05}$	$10.34^{+144.62}_{-9.20}$	$0.53^{+0.34}_{-0.35}$		$0.15^{+5.19}_{-0.14}$	$0.77^{+4.50}_{-0.74}$
WASP-3 b	1.22	$1.85^{+0.00}_{-0.00}$	$249.49^{+11.68}_{-11.41}$	$0.08^{+0.05}_{-0.05}$	$3.58^{+10.43}_{-2.98}$	$1.71^{+0.08}_{-0.08}$	$0.03^{+0.00}_{-0.00}$
c		$230.52^{+4532.94}_{-227.26}$	$10.38^{+92.25}_{-9.17}$	$0.54^{+0.33}_{-0.36}$		$0.19^{+3.82}_{-0.18}$	$0.79^{+5.13}_{-0.74}$
WASP-4 b	0.91	$1.34^{+0.00}_{-0.00}$	$243.72^{+9.77}_{-10.23}$	$0.04^{+0.03}_{-0.03}$	$3.70^{+8.51}_{-3.07}$	$1.24^{+0.05}_{-0.05}$	$0.02^{+0.00}_{-0.00}$
c		$710.90^{+2716.90}_{-618.39}$	$174.77^{+810.23}_{-163.03}$	$0.54^{+0.28}_{-0.36}$		$5.46^{+36.64}_{-5.32}$	$1.51^{+2.80}_{-1.12}$
WASP-5 b	1.01	$1.63^{+0.00}_{-0.00}$	$282.05^{+9.68}_{-9.28}$	$0.07^{+0.04}_{-0.04}$	$2.89^{+7.23}_{-2.35}$	$1.64^{+0.05}_{-0.05}$	$0.03^{+0.00}_{-0.00}$
c		$338.95^{+4577.80}_{-334.17}$	$10.05^{+107.77}_{-8.95}$	$0.53^{+0.33}_{-0.37}$		$0.17^{+4.54}_{-0.16}$	$0.95^{+4.72}_{-0.90}$
XO-1 b	1.03	$3.94^{+0.00}_{-0.00}$	$118.26^{+13.15}_{-11.76}$	$0.10^{+0.12}_{-0.07}$	$3.26^{+8.68}_{-2.68}$	$0.93^{+0.10}_{-0.09}$	$0.05^{+0.00}_{-0.00}$
c		$253.27^{+4507.93}_{-251.52}$	$9.60^{+86.27}_{-8.36}$	$0.56^{+0.32}_{-0.37}$		$0.14^{+3.70}_{-0.13}$	$0.79^{+4.80}_{-0.76}$
XO-2 b	0.97	$2.62^{+0.00}_{-0.00}$	$85.83^{+10.59}_{-10.43}$	$0.18^{+0.15}_{-0.13}$	$3.52^{+9.57}_{-2.90}$	$0.55^{+0.07}_{-0.07}$	$0.04^{+0.00}_{-0.00}$
c		$188.83^{+4420.68}_{-186.36}$	$9.80^{+95.98}_{-8.70}$	$0.52^{+0.35}_{-0.35}$		$0.14^{+3.68}_{-0.13}$	$0.64^{+4.73}_{-0.60}$
XO-3 b	1.41	$3.60^{+0.01}_{-0.01}$	$1133.58^{+83.26}_{-78.68}$	$0.20^{+0.06}_{-0.06}$	$203.12^{+24.39}_{-20.46}$	$10.51^{+0.82}_{-0.77}$	$0.05^{+0.00}_{-0.00}$
c		$3.38^{+0.01}_{-0.01}$	$2272.98^{+98.15}_{-97.47}$	$0.03^{+0.03}_{-0.02}$		$21.09^{+0.91}_{-0.91}$	$0.05^{+0.00}_{-0.00}$
XO-4 b	1.32	$4.13^{+0.00}_{-0.00}$	$191.72^{+89.73}_{-32.29}$	$0.32^{+0.25}_{-0.21}$	$4.44^{+13.91}_{-3.74}$	$1.74^{+0.51}_{-0.26}$	$0.06^{+0.00}_{-0.00}$
c		$235.76^{+4051.59}_{-233.46}$	$14.93^{+186.58}_{-13.58}$	$0.52^{+0.34}_{-0.35}$		$0.27^{+8.47}_{-0.25}$	$0.82^{+4.85}_{-0.78}$

Table A3. The number of published planets compared with the best-fitting model from this analysis (i.e. the flags and reduced chi-square ratios for the results for each system). The ‘candidates’ column shows the current number of confirmed planets (from <http://www.exoplanet.eu> and <http://exoplanets.org>, as of 2011 August 01), and the ‘visual quality flag’ (assigned by eye) is the best EXOFAST model, where ‘1’ signifies that the one-planet fit is best and ‘2’ means that the two-planet fit is best. ‘3’ means that both one- and two-planet solutions provide equally good or bad fits, and this class is again subdivided into ‘3a’ and ‘3b’, as explained in Section 6.2. Also shown is the log likelihood ratio of the chi-square values, R , as defined in Section 5. The visual flag assignments are validated somewhat by noting that in 99 per cent of systems the visual flag and chi-square results agree (or at least are not contradictory, for the class 3 cases). Those systems denoted by ‘-’ are those where there were not sufficient degrees of freedom to calculate a value for the log likelihood ratio. The prior flag is also shown, where flag N indicates that the analysis was performed using the normal priors shown in Tables 1 and 2, and flag D indicates an analysis with different priors as shown in Table 3.

System	Number of candidates from literature	Visual quality flag	R	Flag for period prior used
BD-17 63	1	1	25.06	N
ChaHa8	1	1	-	N
ϵ Eri	1	3a	-0.84	D
ϵ Tau	1	1	4.62	N
γ Cep	1	2	-398.83	D
GJ 3021	1	3b	0.28	N
GJ 317	1	1	47.75	N
GJ 674	1	3a	-8.44	N
GJ 849	1	3a	8.20	D
GJ 86	1	2	-1554.76	D
HAT-P-6	1	1	1450.29	N

Table A3 – continued

System	Number of candidates from literature	Visual quality flag	R	Flag for period prior used
HAT-P-8	1	3b	-	N
HAT-P-9	1	3b	0.95	D
HD 101930	1	3b	6.12	N
HD 108874	2	2	-8.23	N
HD 11506	2	2	-3.36	N
HD 118203	1	1	80.12	D
HD 12661	2	2	-15.22	D
HD 128311	2	2	-32.30	D
HD 131664	1	1	3.34	D
HD 132406	1	1	234.41	N
HD 142	1	3a	-5.87	D
HD 142022	1	3b	0.43	N
HD 149143	1	3b	1.49	D
HD 154345	1	1	44.33	N
HD 155358	2	2	-2.90	N
HD 162020	1	3b	102.59	D
HD 168443	2	2	-994.46	D
HD 169830	2	3b	0.25	D
HD 171028	1	3a	18.72	N
HD 183263	2	2	-187.35	D
HD 185269	1	3b	0.83	N
HD 187123	2	3b	-29.06	D
HD 189733	1	3a	-140.98	D
HD 190228	1	3b	0.08	N
HD 190360	2	3b	0.04	D
HD 190647	1	3b	5.01	N
HD 195019	1	1	771.62	N
HD 202206	2	3b	-4.59	D
HD 20868	1	2	-252.94	D

Table A3 – *continued*

System	Number of candidates from literature	Visual quality flag	R	Flag for period prior used
HD 209458	1	3b	−0.03	D
HD 212301	1	1	5.15	N
HD 217107	2	3a	−59.88	D
HD 219828	1	3a	−352.73	D
HD 221287	1	1	141.08	N
HD 224693	1	3b	20.92	N
HD 23127	1	1	69.47	N
HD 2638	1	3b	−0.97	N
HD 27442	1	3b	10.37	N
HD 27894	1	1	53.60	N
HD 28185	1	1	10.27	D
HD 285968	1	1	0.42	N
HD 330075	1	3b	745.43	D
HD 33636	1	1	104.05	D
HD 3651	1	3b	−0.06	N
HD 38529	2	2	−41.83	D
HD 4203	1	3a	4.92	N
HD 4208	1	3b	0.65	N
HD 43691	1	3b	5.07	N
HD 43848	1	1	−	N
HD 46375	1	3b	−0.04	D
HD 47536	2	1	17.15	D
HD 49674	1	3b	0.24	N
HD 50499	1	2	−6.74	D
HD 5319	1	2	−12.72	D
HD 63454	1	3b	2.57	N
HD 68988	1	2	−100.51	D
HD 73267	1	3b	7.60	D
HD 73526	2	2	−7.43	N
HD 74156	2	2	−241.14	D

Table A3 – *continued*

System	Number of candidates from literature	Visual quality flag	R	Flag for period prior used
HD 75289	1	1	0.14	N
HD 75898	1	3a	28.79	N
HD 76700	1	1	14.28	N
HD 80606	1	1	4.22	D
HD 81040	1	3b	−1.13	N
HD 82943	2	2	−319.74	N
HD 8574	1	1	−0.03	N
HD 86081	1	1	0.19	D
HD 89307	1	3b	−	D
HD 93083	1	3b	32.00	N
HR 810	1	3b	8.71	N
κ CrB	1	1	8.87	N
NGC 2423 3	1	3b	52.75	N
NGC 4 349 127	1	3b	24.85	N
τ Boo	1	3b	−8.90	D
TrES-3	1	2	−	D
WASP-2	1	3b	−	D
WASP-3	1	3b	−	D
WASP-4	1	3b	−33.89	N
WASP-5	1	3b	−	N
XO-1	1	1	−	D
XO-2	1	3b	−	D
XO-3	1	1	20.24	N
XO-4	1	3b	−	D

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