TOI-4342 b	Mass (M <sub>J</sub> )	Radius (R <sub>J</sub> ) ◆	Period (days) •	Semi-major axis (AU)	Temp. (K) ♦	Discovery method	Distance (ly) ◆	Host star mass (M <sub>☉</sub> )	Host star temp.	Remarks <b>♦</b>
	0.16 ± 0.16	0.202 ± 0.003	5.5382498 <sup>+0.0000057</sup> <sub>-0.0000058</sub>	0.05251 ± 0.00011	633.6 <sup>+6.2</sup> <sub>-6.3</sub>	transit	200.73	0.6296 ± 0.0086	(K) 3901 ± 69	[1]
TOI-4342 c Wolf 1069 b	0.145 ± 0.145 0.003963425 ± 0.0006605	0.215 ± 0.004	10.688716 ± 0.000015 15.564 ± 0.015	0.08140 ± 0.00017 0.0672 ± 0.0014	508.9 ± 5.0 250.0 ± 6.6	transit radial vel.	200.73 31.228	0.6296 ± 0.0086 0.167 ± 0.011	3901 ± 69 3158 ± 54	Habitable zone
TOI-700 e		0.08502 <sup>+0.00794</sup> <sub>-0.00869</sub>	27.80978 <sup>+0.00048</sup>	0.134 ± 0.0022		transit	101.52	0.416 ± 0.01	3480 ± 135	Habitable zone planet <sup>[4][5]</sup>
LHS 475 b	0.002876 ± 0.000588	0.0883 ± 0.0045	2.029088 ± 0.000006	0.0206	586.0	transit	40.704	0.262	3312.0	[6][7]Host star also known as TOI-910 <sup>[8]</sup>
GJ 1151 c	0.03341+0.00412		389.7 <sup>+5.4</sup> <sub>-6.5</sub>	0.5714 <sup>+0.0053</sup>		radial vel.	26.23 ± 0.01	0.1639 ± 0.0093	3143 ±26	<sup>[9]</sup> Planet on 2- day orbit was suspected but
Glioca 206										refuted in 2021 <sup>[10][11]</sup> [12] Host star
Gliese 806 b	0.006 ± 0.00053	0.11874 ± 0.00205	0.9263237 ±0.0000009	0.1406 ± 0.0003	940.0 ± 10.0	transit	39.348	0.413 ± 0.011	3600 ± 16	also known as TOI-4481 <sup>[13]</sup> [12] Host star
C C	0.0182 ± 0.0009		6.65064 ± 0.00025	0.0523 ± 0.001	480.0 ± 5.0	radial vel.	39.348	0.413 ± 0.011	3600 ± 16	also known as TOI-4481 <sup>[14]</sup>
BLG- 0440L b	0.0485 <sup>+0.0302</sup> -0.0233		0.00004	1.9 ± 0.7		microlensing	11000 ±5000	0.53 <sup>+0.31</sup> <sub>-0.26</sub>		[15][16]
TOI-139 b	0.0208	0.219 <sup>+0.019</sup> <sub>-0.011</sub> 0.276 <sup>+0.026</sup> <sub>-0.013</sub>	11.070850 <sup>+0.000024</sup> 3.994086 <sup>+0.000008</sup>		561.17 739.9	transit transit	138.4 211.7	0.6900 ± 0.0852 0.5204 ± 0.0203	4570 ± 50 3748 ± 64	[17]
TOI-672 b TOI-913 b TOI-1410	0.0760	0.470 <sup>+0.008</sup> <sub>-0.009</sub> 0.219 <sup>+0.011</sup> <sub>-0.009</sub>	3.633575 ± 0.000001 11.098644 <sup>+0.000587</sup> <sub>-0.000581</sub>		676.15 712.01	transit transit	212.1	0.5399 ± 0.0204 0.8200 ± 0.0973	3765 ± 65 4969 ± 129	[17]
<b>b</b> TOI-1694	0.0334	0.290 <sup>+0.014</sup> -0.010 0.487 <sup>+0.042</sup> -0.071	1.216901 ±0.000038 3.770179 <sup>+0.000058</sup>		1181.44	transit transit	236.8 405.7	0.7960 ± 0.0370 0.8450 ± 0.1089	4668 ±50 5135 ±50	[17]
TOI-1801 b	0.0158	0.187+0.005	10.643976+0.000014		490.47	transit	100.8	0.5413 ± 0.0204	3815 ± 157	[17]
TOI-1853 b TOI-2018	0.0406	0.325+0.020	1.243702+0.000121		1510.96	transit	539 ±3	0.8200 ± 0.0992		[17]
tol-2134 b	0.0185	0.204 <sup>+0.009</sup> <sub>-0.007</sub> 0.264 <sup>+0.008</sup> <sub>-0.004</sub>	7.435588 ± 0.000009 9.229197 <sup>+0.000003</sup> <sub>-0.000004</sub>		652.44	transit		0.6600 ± 0.0868 0.6900 ± 0.0791	4569 ±50	[17]
TOI-2194 b	0.0145	0.178+0.012	15.337597 <sup>+0.001585</sup>		590.88	transit	63.84 ± 0.12	0.7400 ± 0.0854	4756 ± 50	[17]
TOI-2443 b TOI-2459	0.0256	0.248 ± 0.004 0.264 <sup>+0.008</sup>	15.669494 <sup>+0.000926</sup> 19.104718 <sup>+0.000023</sup>		600.83 445.01	transit		0.6600 ± 0.0789 0.6600 ± 0.0763		
TOI-3082 b	0.0411	0.327 ± 0.013	1.926907+0.000128		1032.78	transit	368.8 ± 1.5	0.6640 ± 0.0798	4263 ± 100	[17]
TOI-4308 b TOI-5803	0.0203	0.216 ± 0.023	9.151201+0.000036		763.05	transit		0.9000 ± 0.1133		
b TOI-1338 c	0.0339 0.205 ± 0.037	0.292 ± 0.011	5.383050 <sup>+0.000207</sup> -0.000200 215.5 ± 3.3	0.794 ± 0.016	678.87	transit radial vel.	1318 ±5	0.8700 ± 0.1032 1.13+0.31	5134 ± 121 6160	Circumbinary
K2-415b  AF Leporis	0.0094 ± 0.0085	0.091 ± 0.005	4.0179694 ± 0.0000027	0.0270 ± 0.0002	412 ±9	transit	71.126 ± 0.030	0.1635 ± 0.0041	3173 ±53	planet <sup>[18]</sup> [19]  Host star also
b TOI-2525	3.2_0.6	0.774 - 0.045	8030 ± 1800	-1.3	1400 ± 300		87.562 ± 0.046	1.20 ± 0.06		known as HD 35850 <sup>[20][21][22]</sup> [23]
b TOI-2525 c		0.774 ± 0.010 0.904 ± 0.010	23.288 <sup>+0.001</sup> 49.260 ± 0.001	0.1511 ± 0.0025 0.2491 <sup>+0.0041</sup> 0.0042	390	transit transit	1305 ±8 1305 ±8	0.849 <sup>+0.024</sup> <sub>-0.033</sub> 0.849 <sup>+0.024</sup> <sub>-0.033</sub>	5096 ± 80 5096 ± 80	[23]
TOI-3984A b TOI-5293A	0.14 ±0.03	0.71 ± 0.02 1.06 ± 0.04	4.35326 ± 0.000005 2.930289 ± 0.000004	0.041 <sup>+0.002</sup> 0.034 <sup>+0.004</sup> 0.034 <sup>-0.003</sup>	563 ± 15 675 <sup>+42</sup> <sub>-30</sub>	transit transit	353.6 <sup>+1.0</sup> 525 ± 2	0.49 ± 0.02 0.54 ± 0.02	3476 ±88 3586 ±88	[24]
b TOI-3235 b	0.54 ± 0.07 0.665 ± 0.025		2.930289 ±0.000004 2.59261842 ±0.00000041	0.034 <sub>-0.003</sub> 0.02709 ± 0.00046	675 <sub>-30</sub>	transit	525 ±2 236.7 ±0.5	0.54 ± 0.02 0.394 ± 0.003	3586 ±88 3389 ±6	[25]
TIC 279401253 b	6.14 <sup>+0.39</sup>	1.00 ± 0.04	76.80 ± 0.06	0.369 ± 0.003		transit	937 ± 6	1.13+0.02	5951 ±80	[28]
TIC 279401253	8.02 ±0.18		155.3 ± 0.7	0.591+0.005		radial vel.	937 ± 6	1.13+0.02	5951 ±80	[26]
c KMT-2019- BLG- 0298L b	1.81 ± 0.96			5.67 ± 2.70		microlensing	22000 ±5000	0.70 ± 0.37		[27]
KMT-2019- BLG-	0.094 ± 0.050			2.44 ± 1.12		microlensing	9000 ± 3000	0.39 ± 0.21		[27]
1216L b KMT-2019- BLG- 2783L b	1.16 ± 0.77			1.85 ± 0.93		microlensing	19000 ± 5000	0.34 ± 0.25		[27]
2783L b OGLE- 2019-BLG-	7.12 ± 1.47			1.84 ± 0.44		microlensing	21000 ±3000	0.91 ± 0.19		[27]
0249L b OGLE- 2019-BLG-	3.34 ± 1.90			6.99 ± 3.21		microlensing	18000 ± 6000	0.66 ± 0.38		[27]
0679L b HD 20633 b	0.498 <sup>+0.075</sup> <sub>-0.073</sub>		2315 <sup>+378.18</sup> -243.49	3.459 <sup>+0.387</sup>		radial vel.	175.1 ± 0.3	1.030 ± 0.005	5826 ± 3	Host star also known as HIP
HD 20633	0.1358 <sup>+0.0408</sup> -0.0248		316 <sup>+52.29</sup>	0.917+0.098		radial vel.	175.1 ± 0.3	1.030 ± 0.005	5826 ±3	Host star also known as HIP
HD 207496 b	0.0192 ±0.0050	0.201 ± 0.010	6.441008 ± 0.000011	0.0629 ± 0.0011	743 ± 26	transit	77.11 ± 0.04	0.80 ± 0.04	4819 ±94	104045 <sup>[28]</sup> [29]
TIC 365102760	0.06	0.55	4.21285	0.0622 ± 0.0049		transit	1810 ±20	1.21+0.06	4694 <sup>+27</sup>	Still have an atmosphere despite of high
b	3.00	5.50				ort	220	-0.05	-20	temperature and low mass <sup>[30]</sup>
TOI-2096 b TOI-2096 c	0.0060 <sup>+0.0044</sup> 0.0145 <sup>+0.0110</sup> 0.0145 <sup>-0.0057</sup>	0.110 ± 0.006 0.171 ± 0.008	3.1190633 <sup>+0.000010</sup> 6.387840 ±0.000012	0.025 ± 0.001 0.040 ± 0.002	445 ± 13 349 <sup>+10</sup>	transit transit	158.08 ± 0.13 158.08 ± 0.13	0.231 ± 0.012 0.231 ± 0.012	3300 ±50 3300 ±50	[31]
TOI-4603 b	12.89 <sup>+0.58</sup> <sub>-0.57</sub>	1.042+0.038	7.24599 <sup>+0.00022</sup> 3.71778 <sup>+0.00080</sup> -0.00081	0.0888 ± 0.0010	1677 ±24	transit	731 ±3	1.765 ± 0.061	6264 <sup>+95</sup> <sub>-94</sub>	Metal enriched gas giant <sup>[32]</sup>
TOI-4127 b	0.0414 ± 0.0026 2.30 ± 0.11	1.096+0.039	3.71778 <sup>+0.00081</sup> 56.39879 ± 0.00010	0.02262 ± 0.00018 0.3081 <sup>+0.0055</sup> <sub>-0.0058</sub>	605.1 <sup>+9.6</sup>	radial vel. transit	51.43 ± 0.03 1060 ± 20	0.1118 ± 0.0027 1.23 ± 0.07	2861 ±77 6096 ±115	Highly eccentric
TOI-615 b	0.435 <sup>+0.086</sup> <sub>-0.082</sub> 0.303 <sup>+0.069</sup> <sub>-0.072</sub>	1.693 <sup>+0.052</sup> <sub>-0.057</sub> 0.824 <sup>+0.028</sup> <sub>-0.029</sub>	4.6615983 <sup>+0.0000025</sup> -0.0000016  6.402513 <sup>+0.000031</sup> -0.000054	0.0678 <sup>+0.0031</sup> -0.0026 0.0708 <sup>+0.0052</sup> -0.0059	1666 ± 24 1388 ± 22	transit transit	1155 ± 6 400.2 ± 0.6	1.449 ± 0.087 1.313 ± 0.079	6850 ± 100 6400 ± 100	0rbit <sup>[34]</sup> [35]
TOI-2641	0.367 <sup>+0.049</sup> <sub>-0.040</sub>	1.615 <sup>+0.462</sup> <sub>-0.640</sub>	4.880974+0.000023	0.0607+0.0042	1387 <sup>+22</sup> <sub>-23</sub>	transit	1131 ±7	1.16 ± 0.07	6100 ± 100	Extremely
OGLE- 2016-BLG- 1635L b	11.49 ± 7.96			1.34 ± 0.47		microlensing	22000 ±5000	0.43 ± 0.29		[38]
MOA- 2016-BLG- 0532L b	0.39 ± 0.31			1.09 ± 0.17		microlensing	24000 ± 2000	0.09 ± 0.07		[36]
KMT-2016- BLG- 0625L b	0.05 ± 0.04									
OGLE- 2016-BLG- 1850L b	0.03 ± 0.01			1.40 ± 0.17		microlensing	21000 ± 2000	0.25 ± 0.14		[36]
KMT-2016-				1.40 ± 0.17 1.46 ± 0.16		microlensing	21000 ± 2000 7000 ± 2000	0.25 ± 0.14 0.26 ± 0.11		[36]
BLG- 1751L b	1.20 ± 1.21									
1751L b TOI-4406 b	1.20 ± 1.21 0.30 ± 0.03	1.00 ± 0.02	30.08364 ± 0.00005	1.46 ± 0.16	904 <sup>+18</sup> <sub>-17</sub>	microlensing	7000 ± 2000	0.26 ± 0.11	6219 ±70	[36]
1751L b TOI-4406 b TOI-2338 b TOI-2589		1.00 ± 0.02 1.00 ± 0.02 1.08 ± 0.03	30.08364 ± 0.00005 22.65398 ± 0.00002 61.6277 ± 0.0002	1.46 ± 0.16 1.39 ± 0.50 0.201 ± 0.005 0.158 ± 0.03	799+10	microlensing	7000 ± 2000 23000 ± 4000	0.26 ± 0.11 0.18 ± 0.18 1.19 ± 0.03 0.99 <sup>+0.03</sup> <sub>-0.02</sub>	6219 ±70 5581 ±60 5579 ±70	[36]
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG-	0.30 ± 0.03 5.98 <sup>+0.21</sup> -0.20 3.5 ± 0.1	1.00 ± 0.02	22.65398 ± 0.00002	1.46 ± 0.16 1.39 ± 0.50 0.201 ± 0.005		microlensing microlensing transit transit	7000 ± 2000 23000 ± 4000 861 ± 7 1032 ± 7	0.26 ± 0.11 0.18 ± 0.18 1.19 ± 0.03	5581 ± 60	[36] [38] [37]
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA-	0.30 ± 0.03 5.98 <sup>+0.21</sup> -0.20 3.5 ± 0.1	1.00 ± 0.02	22.65398 ± 0.00002	1.46 ± 0.16 1.39 ± 0.50 0.201 ± 0.005 0.158 ± 0.03 0.300 <sup>+0.006</sup> <sub>-0.005</sub>	799+10	microlensing microlensing transit transit transit	7000 ± 2000 23000 ± 4000 861 ± 7 1032 ± 7 658 ± 3	0.26 ± 0.11 0.18 ± 0.18 1.19 ± 0.03 0.99 <sup>+0.03</sup> <sub>-0.02</sub> 0.93 <sup>+0.03</sup> <sub>-0.02</sub>	5581 ± 60	[36] [37] [37] [37] [38] Multiple orbital
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021-	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$	1.00 ± 0.02	22.65398 ± 0.00002	1.46 ± 0.16 1.39 ± 0.50 0.201 ± 0.005 0.158 ± 0.03 0.300 <sup>+0.006</sup> <sub>-0.005</sub> 1.63 ± 0.35	799+10	microlensing microlensing transit transit transit microlensing	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3	0.26 ± 0.11 0.18 ± 0.18 1.19 ± 0.03 0.99 <sup>+0.03</sup> <sub>-0.02</sub> 0.93 <sup>+0.03</sup> <sub>-0.02</sub>	5581 ± 60	[38]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022-	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$	1.00 ± 0.02	22.65398 ± 0.00002	1.46 ± 0.16 1.39 ± 0.50 0.201 ± 0.005 0.158 ± 0.03 0.300 $_{-0.005}^{+0.008}$ 1.63 ± 0.35	799+10	microlensing microlensing transit transit transit microlensing microlensing	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 <sup>+4000</sup> <sub>-5000</sub>	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$	5581 ± 60	[36] [37] [37] [37] [38]  Multiple orbital solutions <sup>[39]</sup>
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022-	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$	1.00 ± 0.02	22.65398 ± 0.00002	1.46 $\pm$ 0.16 1.39 $\pm$ 0.50 0.201 $\pm$ 0.005 0.158 $\pm$ 0.03 0.300 $^{+0.006}_{-0.005}$ 1.63 $\pm$ 0.35 1.79 $^{+0.30}_{-0.38}$ 3.02 $^{+0.45}_{-0.56}$	799+10	microlensing microlensing transit transit  transit  microlensing microlensing microlensing	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 <sup>+4000</sup> 23000 <sup>+3000</sup> 23000 <sup>+3000</sup>	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$	5581 ± 60	[36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-733 b  TOI-733 b	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.16}$	1.00 ± 0.02 1.08 ± 0.03	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> <sub>-0.000024</sub>	1.46 ± 0.16 1.39 ± 0.50 0.201 ± 0.005 0.158 ± 0.03 0.300 $^{+0.006}_{-0.005}$ 1.63 ± 0.35 1.79 $^{+0.30}_{-0.38}$ 3.02 $^{+0.45}_{-0.58}$ 1.38 $^{+0.18}_{-0.20}$ 0.043 ± 0.001 0.0618 $^{+0.0036}_{-0.0039}$	799 <sup>+10</sup> 592 <sup>+7</sup>	microlensing  transit  transit  transit  microlensing  microlensing  microlensing  microlensing	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 <sup>+4000</sup> 23000 <sup>+3000</sup> 25000 ± 3000	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.32}_{-0.10}$	5581 ± 60 5579 ± 70	[36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-733 b	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub>	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> <sub>-0.000024</sub> 17.664872 <sup>+0.000045</sup> <sub>-0.000051</sub> 28.17221 <sup>+0.00011</sup> <sub>-0.00014</sub>	1.46 $\pm$ 0.16  1.39 $\pm$ 0.50  0.201 $\pm$ 0.005  0.158 $\pm$ 0.03  0.300 $_{-0.005}^{+0.006}$ 1.63 $\pm$ 0.35  1.79 $_{-0.38}^{+0.30}$ 3.02 $_{-0.56}^{+0.45}$ 1.38 $_{-0.20}^{+0.18}$ 0.043 $\pm$ 0.001  0.0618 $_{-0.0036}^{+0.0036}$ 0.1010 $_{-0.0084}^{+0.0036}$ 0.138 $_{-0.011}^{+0.0088}$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16  1055.8 <sup>+36.2</sup> 347 ± 9 297 ± 8	microlensing transit transit transit microlensing microlensing microlensing transit transit transit	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 3000  23000 ± 3000  25000 ± 0.3  245.5 ± 0.2  136.73 ± 0.08	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3662 ± 130	[36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-733 b  TOI-733 b  TOI-2095 b	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> <sub>-0.000024</sub> 17.664872 <sup>+0.000045</sup> <sub>-0.000051</sub>	1.46 $\pm$ 0.16  1.39 $\pm$ 0.50  0.201 $\pm$ 0.005  0.158 $\pm$ 0.03  0.300 $_{-0.005}^{+0.008}$ 1.63 $\pm$ 0.35  1.79 $_{-0.38}^{+0.30}$ 3.02 $_{-0.58}^{+0.45}$ 1.38 $_{-0.20}^{+0.18}$ 0.043 $\pm$ 0.001  0.0618 $_{-0.0039}^{+0.0036}$ 0.1010 $_{-0.0084}^{+0.0038}$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16  1055.8 <sup>+38.2</sup> 347 ± 9	microlensing transit transit  transit  microlensing  microlensing  microlensing  transit  transit	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-4000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.32}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.028}$ $0.465 \pm 0.012$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130	[36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-3785 b  TOI-733 b  TOI-2095 c  TOI-4201 b  BD-21 397 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub>	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> <sub>-0.000024</sub> 17.664872 <sup>+0.000045</sup> <sub>-0.000051</sub> 28.17221 <sup>+0.00011</sup> <sub>-0.00014</sub> 3.5819111 ±1.7e-06	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.103939 \pm 0.0004$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16  1055.8 <sup>+36.2</sup> 347 ± 9 297 ± 8	microlensing transit transit transit microlensing microlensing microlensing transit transit transit transit transit	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-4000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $136.73 \pm 0.08$ $611.54^{+1.96}_{-2.28}$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.028}$ $0.465 \pm 0.012$ $0.465 \pm 0.012$ $0.63 \pm 0.02$	5581 ±60 5579 ±70 3576 ±88 5585 ±60 3662 ±130 3662 ±130 3920 ±50	[36]  [36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]  [48]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-733 b  TOI-733 b  TOI-2095 c  TOI-4201 b  BD-21 397 c EPIC 229004835 b	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub>	22.65398 ±0.00002  61.6277 ±0.0002  4.6747373 ±0.0000038  4.884765 <sup>+0.000019</sup> <sub>-0.000024</sub> 17.664872 <sup>+0.000045</sup> <sub>-0.000051</sub> 28.17221 <sup>+0.00011</sup> <sub>-0.00014</sub> 3.5819111 ±1.7e-06	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0036}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.1038^{+0.012}_{-0.0011}$ $0.03939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16  1055.8 <sup>+36.2</sup> 347 ± 9 297 ± 8	microlensing transit transit transit microlensing microlensing microlensing transit transit transit transit transit transit transit transit transit	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-5000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $136.73 \pm 0.08$ $611.54^{+1.98}_{-2.28}$ $77.4046^{+0.0744}_{-0.0740}$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.028}$ $0.465 \pm 0.012$ $0.465 \pm 0.012$ $0.63 \pm 0.02$	5581 ±60 5579 ±70 3576 ±88 5585 ±60 3662 ±130 3662 ±130 4051 ±239	[36]  [36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]  [48]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-3785 b  TOI-733 b  TOI-2095 c  TOI-4201 b  BD-21 397 c EPIC 229004835	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0036}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.1038^{+0.012}_{-0.011}$ $0.03939 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16  1055.8 <sup>±36.2</sup> 347 ± 9  297 ± 8  745 ± 14	microlensing transit transit transit microlensing microlensing microlensing transit radial vel. radial vel.	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-4000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $136.73 \pm 0.08$ $611.54^{+1.96}_{-2.28}$ $77.4046^{+0.0744}_{-0.0740}$ $77.4046^{+0.0744}_{-0.0740}$ $398.255^{+2.887}_{-2.825}$ $66.96874 \pm 0.54957$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.32}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.63 \pm 0.02$ $0.679 \pm 0.017$ $0.679 \pm 0.017$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71	[38]  [38]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]  [46]  [46]  [47]  [48]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-3785 b  TOI-733 b  TOI-2095 c  TOI-4201 b  BD-21 397 c C  EPIC 229004835 b  Gliese 328 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.103939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16  1055.8 <sup>±36.2</sup> 347 ± 9  297 ± 8  745 ± 14	microlensing  transit  transit  transing  microlensing  microlensing  microlensing  transit	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-4000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $136.73 \pm 0.08$ $611.54^{+1.96}_{-2.28}$ $77.4046^{+0.0744}_{-0.0740}$ $77.4046^{+0.0744}_{-0.0740}$ $398.255^{+2.887}_{-2.825}$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.32}_{-0.28}$ $0.18^{+0.32}_{-0.28}$ $0.465 \pm 0.012$ $0.465 \pm 0.012$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239	[36]  [36]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]  [48]  [48]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-733 b  TOI-2095 c  TOI-4201 b  BD-21 397 c  EPIC 229004835 b  Gliese 328 c  Gliese 367 c Gliese 367 d  DMPP-4 b  HD 112300	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.103939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16  1055.8 <sup>±36.2</sup> 347 ± 9  297 ± 8  745 ± 14	microlensing transit transit transing microlensing microlensing microlensing transit radial vel. radial vel. radial vel.	$7000 \pm 2000$ $23000 \pm 40000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-4000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $611.54^{+1.96}_{-2.28}$ $77.4046^{+0.0744}_{-0.0740}$ $77.4046^{+0.0744}_{-0.0740}$ $398.255^{+2.825}_{-2.825}$ $66.96874 \pm 0.54957$ $30.69986 \pm 0.00925$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.028}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.455 \pm 0.011$ $0.455 \pm 0.011$ $0.455 \pm 0.011$	5581 ±60 5579 ±70 3576 ±88 5585 ±60 3662 ±130 3920 ±50 4051 ±239 4051 ±239 5868 ±60 3897 ±71 3522 ±70	[36] [36] [37] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40] [40] [41] [42][43] [42][43] [44][45] [46] [46] [47] [48] [48]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-3785 b  TOI-2095 c  TOI-4201 b  BD-21 397 c  EPIC 229004835 b  Gliese 328 c Gliese 367 c Gliese 367 d DMPP-4 b  HD 112300 b  HD 15906 b	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$	1.46 ± 0.16  1.39 ± 0.50  0.201 ± 0.005  0.158 ± 0.03  0.300 <sup>+0.006</sup> 1.63 ± 0.35  1.79 <sup>+0.30</sup> 3.02 <sup>+0.45</sup> 3.02 <sup>+0.45</sup> 0.043 ± 0.001  0.0618 <sup>+0.0036</sup> 0.1010 <sup>+0.0036</sup> 0.138 <sup>+0.012</sup> 0.138 <sup>+0.012</sup> 0.03939 ± 0.0004  2.63 <sup>+0.06</sup> 5.9 <sup>+3.4</sup> 5.9 <sup>+3.4</sup> 0.1237 ± 0.0017	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16  1055.8 <sup>±36.2</sup> 347 ± 9  297 ± 8  745 ± 14	microlensing transit transit  microlensing microlensing microlensing microlensing transit transit transit transit transit transit adial vel. radial vel. radial vel. radial vel. radial vel. radial vel.	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-5000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $611.54^{+1.96}_{-0.0740}$ $77.4046^{+0.0744}_{-0.0740}$ $77.4046^{+0.0744}_{-0.0740}$ $398.255^{+2.887}_{-2.825}$ $66.96874 \pm 0.54957$ $30.69986 \pm 0.00925$ $30.69986 \pm 0.00925$ $30.69986 \pm 0.00925$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.028}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.455 \pm 0.011$ $0.455 \pm 0.011$ $0.455 \pm 0.011$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 3522 ± 70 6400 ± 50	[36] [36] [37] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [49] [41] [42][43] [42][43] [42][43] [44][45] [46] [47] [48] [49] [49] [50]
1751L b  TOI-4406 b  TOI-2338 b  TOI-2589 b  MOA- 2022-BLG- 249Lb  KMT-2021- BLG-2010 b  KMT-2022- BLG-0371 b  KMT-2022- BLG-1013 b  TOI-3785 b  TOI-733 b  TOI-2095 c  TOI-4201 b  BD-21 397 c  EPIC 229004835 b  Gliese 328 c  Gliese 367 c Gliese 367 d DMPP-4 b  HD 112300 b  HD 15906	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.00002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e\text{-}06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000055}_{-0.000055}$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0034}$ $0.138^{+0.012}_{-0.011}$ $0.03939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.028}_{-0.028}$	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16 1055.8 <sup>±38.2</sup> 347 ± 9 297 ± 8 745 ± 14  804 ± 10	microlensing transit transit  microlensing microlensing microlensing microlensing transit	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000_{-5000}^{+4000}$ $23000_{-5000}^{+3000}$ $23000_{-4000}^{+3000}$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $611.54_{-2.28}^{+1.96}$ $77.4046_{-0.0740}^{+0.0744}$ $77.4046_{-0.0740}^{+0.0744}$ $398.255_{-2.825}^{+2.867}$ $30.69986 \pm 0.00925$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.455 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$	5581 ±60 5579 ±70 3576 ±88 5585 ±60 3662 ±130 3662 ±130 3920 ±50 4051 ±239 4051 ±239 4051 ±239 3522 ±70 3522 ±70 36400 ±50 3657 4757 ±89	[38]  [38]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]  [48]  [48]  [49]  [49]  [50]  [51]  [52]
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c C EPIC 229004835 b Gliese 367 c Gliese 367 c Gliese 367 d DMPP-4 b HD 112300 b HD 15906 b HD 15906 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000014}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+66}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$	1.46 ± 0.16  1.39 ± 0.50  0.201 ± 0.005  0.158 ± 0.03  0.300 <sup>+0.006</sup> 1.63 ± 0.35  1.79 <sup>+0.30</sup> 3.02 <sup>+0.45</sup> 1.38 <sup>+0.18</sup> 0.043 ± 0.001  0.0618 <sup>+0.0036</sup> 0.1010 <sup>+0.0088</sup> 0.1010 <sup>+0.0088</sup> 0.138 <sup>+0.012</sup> 0.03939 ± 0.0004  2.63 <sup>+0.06</sup> 5.9 <sup>+3.4</sup> 0.1237 ± 0.0017  0.657 <sup>+0.026</sup> 0.1237 ± 0.0017	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16 1055.8 <sup>±38.2</sup> 347 ± 9 297 ± 8 745 ± 14	microlensing  transit  transit  transit  microlensing  microlensing  microlensing  transit  transit  transit  transit  transit  transit  transit  radial vel.	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000^{+4000}_{-5000}$ $23000^{+3000}_{-5000}$ $23000^{+3000}_{-4000}$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $611.54^{+1.96}_{-2.28}$ $77.4046^{+0.0744}_{-0.0740}$ $77.4046^{+0.0744}_{-0.0740}$ $398.255^{+2.825}_{-2.825}$ $66.96874 \pm 0.54957$ $30.69986 \pm 0.00925$ $30.69986 \pm 0.00925$ $30.69986 \pm 0.00925$ $30.69986 \pm 0.00925$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.455 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 4051 ± 239 3522 ± 70 3522 ± 70 36400 ± 50 3657	[38]  [38]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40]  [40]  [41]  [42][43]  [42][43]  [44][45]  [48]  [48]  [49]  [49]  [50]  [51]  [52]
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 328 c Gliese 367 c Gliese 367 d DMPP-4 b HD 112300 b HD 15906 c TOI-4600	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0060}$ $15.83^{+2.33}_{-2.74}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.00002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e\text{-}06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000055}_{-0.000055}$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0034}$ $0.138^{+0.012}_{-0.011}$ $0.03939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.028}_{-0.028}$	799 <sup>±10</sup> 592 <sup>±7</sup> 592 <sup>±8</sup> 582 ± 16 1055.8 <sup>±38.2</sup> 347 ± 9 297 ± 8 745 ± 14  804 ± 10	microlensing transit transit  microlensing microlensing microlensing microlensing transit	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000_{-5000}^{+4000}$ $23000_{-5000}^{+3000}$ $23000_{-4000}^{+3000}$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $611.54_{-2.28}^{+1.96}$ $77.4046_{-0.0740}^{+0.0744}$ $77.4046_{-0.0740}^{+0.0744}$ $398.255_{-2.825}^{+2.867}$ $30.69986 \pm 0.00925$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.455 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$	5581 ±60 5579 ±70 3576 ±88 5585 ±60 3662 ±130 3662 ±130 3920 ±50 4051 ±239 4051 ±239 4051 ±239 3522 ±70 3522 ±70 36400 ±50 3657 4757 ±89	[38] [38] [37] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40] [40] [41] [42][43] [42][43] [44][45] [48] [48] [49] [49] [50] [51] [52] [52] [52] [53]  As of August 2023, longest-period confirmed planet
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 328 c Gliese 367 c Gliese 367 d DMPP-4 b HD 112300 b HD 15906 b HD 15906 c TOI-4600 b	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.68}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0060}$ $15.83^{+2.33}_{-2.74}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000014}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+58}_{-48}$ $6360^{+6280}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000052}_{-0.000055}$ $82.6869 \pm 0.0003$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.56}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0036}_{-0.0084}$ $0.138^{+0.012}_{-0.011}$ $0.03939 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.026}_{-0.028}$ $0.141^{+0.002}_{-0.001}$ $0.349 \pm 0.021$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing transit transit transit microlensing microlensing microlensing transit transit transit transit transit transit transit transit  radial vel.	$7000 \pm 2000$ $23000 \pm 4000$ $861 \pm 7$ $1032 \pm 7$ $658 \pm 3$ $6500 \pm 1400$ $23000_{-5000}^{+4000}$ $23000_{-5000}^{+3000}$ $25000 \pm 3000$ $259.0 \pm 0.3$ $245.5 \pm 0.2$ $136.73 \pm 0.08$ $611.54_{-2.28}^{+1.98}$ $77.4046_{-0.0740}^{+0.0744}$ $77.4046_{-0.0740}^{+0.0744}$ $398.255_{-2.825}^{+2.867}$ $66.96874 \pm 0.54957$ $30.69986 \pm 0.00925$ $82.6101_{-0.1239}^{+0.1248}$ $202.45560 \pm 11.05904$ $148.6035_{-0.2870}^{+0.2880}$ $148.6035_{-0.2870}^{+0.2880}$ $705.97 \pm 1.68$	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.63 \pm 0.02$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.65 \pm 0.08$ $0.455 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.89 \pm 0.05$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 4757 ± 89	[38]  [38]  [37]  [37]  [37]  [38]  Multiple orbital solutions [39]  Multiple orbital solutions [49]  [40]  [41]  [42][43]  [42][43]  [44][45]  [48]  [48]  [49]  [49]  [50]  [51]  [52]  [52]  [53]  As of August 2023, longest-period confirmed
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 367 c Gliese 367 c Gliese 367 c TOI-4000 b HD 15906 b HD 15906 c TOI-4600 b TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0017}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0060}$ $15.83^{+2.33}_{-2.74}$ $\sim 0.0976$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000014}$ $3.5819111 \pm 1.7e-06$ $1891^{+58}_{-48}$ $6360^{+8280}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.00022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000052}_{-0.000055}$ $82.6869 \pm 0.0003$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.58}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0036}_{-0.0034}$ $0.138^{+0.012}_{-0.011}$ $0.03939 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.028}_{-0.028}$ $1.33^{+0.08}_{-0.01}$ $0.349 \pm 0.021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing transit transit transit microlensing microlensing microlensing transit transit transit transit transit transit transit transit transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit  transit	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 40000  23000 ± 30000  25000 ± 30000  25000 ± 30000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.96  611.54 ± 1.96  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  82.6101 ± 0.1246  82.6101 ± 0.1246  82.6101 ± 0.1246  82.6101 ± 0.1246  705.97 ± 1.68  705.97 ± 1.68	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.63 \pm 0.02$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.679 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.89 \pm 0.05$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 4757 ± 89	[36] [36] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39]  [40] [41] [42][43] [42][43] [44][45] [48] [48] [49] [49] [50] [51] [52] [52] [53]  As of August 2023, longest-period confirmed planered discovered by TESS [53] [54]
TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 367 c Gliese 367 c Gliese 367 c TOI-4000 b HD 15906 b HD 15906 c TOI-4600 b  TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.0050}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0101}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0060}$ $15.83^{+2.33}_{-2.74}$ $^{-0.0976}$ $0.0374 \pm 0.0060$ $3.0^{+0.7}_{-0.5}$ $19^{+2}_{-1}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6260}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000052}_{-0.000055}$ $82.6869 \pm 0.0003$ $482.8191^{+0.00017}_{-0.0017}$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.56}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0034}$ $0.138^{+0.012}_{-0.001}$ $0.03939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.028}_{-0.028}$ $1.33^{+0.08}_{-0.01}$ $0.349 \pm 0.0021$ $1.152 \pm 0.068$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing transit transit transit microlensing microlensing microlensing transit  transit  transit  transit  transit  radial vel.	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 40000  23000 ± 40000  23000 ± 40000  23000 ± 30000  25000 ± 30000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.98  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  82.6101 ± 0.1248  202.45560 ± 11.05904  148.6035 ± 0.2880  705.97 ± 1.68  705.97 ± 1.68  77.8988 ± 0.0828  77.8988 ± 0.0828  77.8988 ± 0.0828  126.1689 ± 0.2025  126.1689 ± 0.00828  187.2993 ± 0.0888	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.970 \pm 0.040$ $0.65 \pm 0.08$ $0.455 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.89 \pm 0.05$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 4757 ± 89	[36] [36] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40] [40] [41] [42][43] [42][43] [44][45] [48] [48] [49] [49] [49] [50] [51] [52] [52] [53]  As of August 2023, longest-period confirmed planet discovered by TESS [53] [54]
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-733 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 367 c Gliese 367 c Gliese 367 c TOI-4000 b HD 15906 b HD 15906 c TOI-4600 b  TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0017}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0060}$ $15.83^{+2.33}_{-2.74}$ $\sim 0.0976$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000045}_{-0.000051}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6280}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.0022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000052}_{-0.000055}$ $82.6869 \pm 0.0003$ $482.8191^{+0.00082}_{-0.0007}$ $2990^{+54}_{-51}$ $2343 \pm 2$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.008}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.56}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0036}_{-0.0084}$ $0.138^{+0.012}_{-0.011}$ $0.03939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.026}_{-0.028}$ $1.33^{+0.08}_{-0.01}$ $0.349 \pm 0.0021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $3.59^{+0.08}_{-0.07}$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing transit transit transit microlensing microlensing microlensing microlensing transit  transit  transit  transit  transit  transit  transit  radial vel.	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 40000  23000 ± 30000  25000 ± 30000  25000 ± 30000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.96  611.54 ± 1.96  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  82.6101 ± 0.1246  82.6101 ± 0.1246  82.6101 ± 0.1246  82.6101 ± 0.1246  705.97 ± 1.68  705.97 ± 1.68	$0.26 \pm 0.11$ $0.18 \pm 0.18$ $1.19 \pm 0.03$ $0.99^{+0.03}_{-0.02}$ $0.93^{+0.03}_{-0.02}$ $0.18 \pm 0.05$ $0.37^{+0.4}_{-0.23}$ $0.63^{+0.32}_{-0.28}$ $0.18^{+0.28}_{-0.10}$ $0.52 \pm 0.02$ $0.956^{+0.050}_{-0.026}$ $0.465 \pm 0.012$ $0.679 \pm 0.017$ $0.679 \pm 0.017$ $0.679 \pm 0.040$ $0.65 \pm 0.08$ $0.455 \pm 0.011$ $1.25 \pm 0.02$ $1.4 \pm 0.3$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.790^{+0.020}_{-0.036}$ $0.89 \pm 0.05$	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 4757 ± 89	[36] [36] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40] [40] [41] [42][43] [42][43] [42][43] [44][45] [48] [48] [49] [49] [50] [51] [52] [52] [52] [52] [53]  As of August 2023, longest-period confirmed planet discovered by TESS [53] [54] [55]
TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 367 c Gliese 367 c Gliese 367 c TOI-4000 b HD 15906 b HD 15906 c TOI-4600 c TOI-4600 c TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0047}$ $0.0130 \pm 0.0011$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$ $^{-0.0976}$ $^{-0.0976}$ $^{-0.0976}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> 17.664872 <sup>+0.000011</sup> 28.17221 <sup>+0.00011</sup> 28.17221 <sup>+0.00011</sup> 3.5819111 ±1.7e-06 1891 <sup>+56</sup> 6360 <sup>+6260</sup> 711 16.141132 ±0.000019 241.8 <sup>+1.3</sup> 6360 <sup>+6260</sup> 34.369 ±0.073 3.4982 <sup>+0.00022</sup> 466.63 <sup>+2.33</sup> 466.63 <sup>+2.33</sup> 466.63 <sup>+2.33</sup> 466.63 <sup>+2.33</sup> 10.924709 ±0.000032 21.583298 <sup>+0.000052</sup> 82.6869 ±0.0003 482.8191 <sup>+0.00052</sup> 2990 <sup>+54</sup> 2990 <sup>+54</sup> 2990 <sup>+54</sup> 2990 <sup>+54</sup> 13.4586 <sup>+0.0044</sup> 2990 <sup>+54</sup> 2990 <sup>+54</sup> 13.4586 <sup>+0.0044</sup> 2990 <sup>+54</sup> 13.4586 <sup>+0.0044</sup>	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.86}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0084}$ $0.138^{+0.012}_{-0.005}$ $0.138^{+0.012}_{-0.05}$ $0.1237 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.028}_{-0.028}$ $1.33^{+0.08}_{-0.011}$ $0.349 \pm 0.021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $2.9 \pm 0.1$ $3.59^{+0.06}_{-0.07}$ $5.4 \pm 0.1$ $2.9 \pm 0.1$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing transit transit  microlensing microlensing microlensing microlensing transit  transit  transit  radial vel.	7000 ± 20000  23000 ± 40000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 14000  23000 ± 40000  23000 ± 30000  25000 ± 30000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.96  611.54 ± 1.96  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  30.69986 ± 0.00925  30.69986 ± 0.00925  30.69986 ± 0.00925  30.69986 ± 0.00925  48.6101 ± 0.1246  202.45560 ± 11.05904  148.6035 ± 0.2880  705.97 ± 1.68  705.97 ± 1.68  705.97 ± 1.68	0.26 ± 0.11  0.18 ± 0.18  1.19 ± 0.03  0.99 ± 0.02  0.93 ± 0.02  0.18 ± 0.05  0.37 ± 0.4  0.63 ± 0.02  0.956 ± 0.02  0.465 ± 0.012  0.679 ± 0.017  0.679 ± 0.017  0.970 ± 0.040  0.455 ± 0.011  1.25 ± 0.02  1.4 ± 0.3  0.790 ± 0.036  0.89 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  0.62 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 5170 ± 120	[36] [37] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39] [40] [41] [42][43] [42][43] [42][43] [44][45] [48] [49] [49] [49] [50] [51] [52] [53]  As of August 2023, longest-period confirmed planet discovered by TESS [53] [54] [55] [55] [55]
TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 328 c Gliese 367 c Gliese 367 c TOI-4000 b HD 15906 b HD 15906 c TOI-4600 b TOI-4600 c TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.16}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0047}$ $0.0130 \pm 0.0011$ $0.0130 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0060}$ $15.83^{+2.33}_{-2.74}$ $-0.0976$ $19^{+2}_{-1}$ $2.3^{+0.8}_{-0.3}$ $3.7^{+1.8}_{-1.1}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> 17.664872 <sup>+0.000011</sup> 28.17221 <sup>+0.00011</sup> 3.5819111 ±1.7e-06 1891 <sup>+56</sup> 6360 <sup>+6260</sup> 1891 <sup>+56</sup> 6360 <sup>+6260</sup> 11.5301 ±0.00078 34.369 ±0.073 3.4982 <sup>+0.0022</sup> 241.8 <sup>+1.3</sup> 10.924709 ±0.000032 21.583298 <sup>+0.00022</sup> 21.583298 <sup>+0.00022</sup> 21.583298 <sup>+0.00062</sup> 82.6869 ±0.0003	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.56}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0011}$ $0.03939 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.026}_{-0.028}$ $1.33^{+0.08}_{-0.01}$ $0.349 \pm 0.0021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $2.9 \pm 0.1$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing microlensing transit transit microlensing microlensing microlensing microlensing transit  transit  radial vel.	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 4000  23000 ± 4000  23000 ± 3000  25000 ± 3000  25000 ± 3000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  136.73 ± 0.08  136.73 ± 0.08  611.54 ± 1.98  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  82.6101 ± 0.1248  202.45560 ± 11.05904  148.6035 ± 0.2880  705.97 ± 1.68  705.97 ± 1.68  77.8988 ± 0.0828  705.97 ± 1.68	0.26 ± 0.11  0.18 ± 0.18  1.19 ± 0.03  0.99 ± 0.03  0.93 ± 0.03  0.18 ± 0.05  0.37 ± 0.4  0.63 ± 0.28  0.18 ± 0.02  0.956 ± 0.02  0.465 ± 0.012  0.679 ± 0.017  0.679 ± 0.017  0.970 ± 0.040  0.65 ± 0.08  0.455 ± 0.011  1.25 ± 0.02  1.4 ± 0.3  0.790 ± 0.038  0.790 ± 0.038  0.790 ± 0.05  0.89 ± 0.05  0.89 ± 0.05	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 4757 ± 89	[36] [37] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39] [40] [41] [42][43] [42][43] [42][43] [44][45] [48] [49] [49] [49] [50] [51] [52] [53]  As of August 2023, longest-period confirmed planet discovered by TESS [53] [54] [55] [55] [55]
TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-0371 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c C EPIC 229004835 b Gliese 328 c Gliese 367 d DMPP-4 b HD 112300 b HD 15906 c TOI-4600 b TOI-4600 c TOI-4600 c TOI-4600 c TOI-4600 c TOI-4600 c TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.88}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.48}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.7}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0047}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$ $^{-0.0976}$ $^{-0.0976}$ $^{-0.0976}$ $^{-0.0976}$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.607 <sup>+0.026</sup> <sub>-0.028</sub>	22.65398 ±0.00002 61.6277 ±0.0002 4.6747373 ±0.000038 4.884765 <sup>+0.000019</sup> 17.664872 <sup>+0.000024</sup> 17.664872 <sup>+0.000051</sup> 28.17221 <sup>+0.00011</sup> -0.00014 3.5819111 ±1.7e-06 1891 <sup>+56</sup> <sub>-48</sub> 6360 <sup>+6260</sup> <sub>-711</sub> 16.141132 ±0.000019 241.8 <sup>+1.3</sup> <sub>-1.7</sub> 11.5301 ±0.0078 34.369 ±0.073 3.4982 <sup>+0.0022</sup> <sub>-0.2327</sub> 466.63 <sup>+2.33</sup> <sub>-2.74</sub> 10.924709 ±0.000032 21.583298 <sup>+0.000052</sup> <sub>-0.000055</sub> 82.6869 ±0.0003 482.8191 <sup>+0.00062</sup> <sub>-0.0007</sub> 2990 <sup>+54</sup> <sub>-51</sub> 2343 ±2 4055 <sup>+45</sup> <sub>-44</sub> 1804 ±73	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.86}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0038}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0039}$ $0.1010^{+0.0088}_{-0.0011}$ $0.03939 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.026}_{-0.028}$ $1.33^{+0.08}_{-0.011}$ $0.349 \pm 0.0021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $2.9 \pm 0.1$ $3.59^{+0.06}_{-0.07}$ $5.4 \pm 0.1$ $2.9 \pm 0.1$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 347 <sup>+12</sup> 347 <sup>+11</sup>	microlensing transit transit microlensing microlensing microlensing microlensing transit  transit  transit  transit  radial vel.	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 3000  23000 ± 3000  25000 ± 3000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.98  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  82.6101 ± 0.1248  82.6101 ± 0.1248  202.45560 ± 11.05904  148.6035 ± 0.2880  705.97 ± 1.68  705.97 ± 1.68  77.8988 ± 0.0828  705.97 ± 1.68  77.8988 ± 0.0828  187.2993 ± 0.0889	0.26 ± 0.11  0.18 ± 0.18  1.19 ± 0.03  0.99 ± 0.03  0.93 ± 0.03  0.37 ± 0.4  0.63 ± 0.05  0.18 ± 0.05  0.18 ± 0.02  0.956 ± 0.02  0.465 ± 0.012  0.679 ± 0.017  0.970 ± 0.040  0.65 ± 0.08  0.455 ± 0.011  1.25 ± 0.02  1.4 ± 0.3  0.790 ± 0.036  0.790 ± 0.036  0.790 ± 0.036  0.89 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  1.85  1.84 ± 0.09	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 5170 ± 120	[38] [37] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [40] [40] [41] [42][43] [42][43] [44][45] [48] [48] [49] [49] [50] [51] [52] [52] [52] [53] As of August 2023, longest-period confirmed planet discovered by TESS [53] [54] [55] [55] [55] [55] [55] [55]
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 328 c Gliese 367 d DMPP-4 b HD 112300 b HD 15906 c TOI-4600 b TOI-4600 c TOI-4600 c TOI-4600 c TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.08}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.0047}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0040}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$ $\sim 0.0976$ $\sim 0.1510$ $0.0374 \pm 0.0060$ $3.0^{+0.7}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$ $\sim 0.0976$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 <sup>+0.010</sup> <sub>-0.009</sub> 1.133 ± 0.024 0.2080 <sup>+0.0071</sup> <sub>-0.0084</sub> 0.207 <sup>+0.006</sup> <sub>-0.0084</sub> 0.341 ± 0.037	$22.65398 \pm 0.00002$ $61.6277 \pm 0.0002$ $61.6277 \pm 0.0002$ $4.6747373 \pm 0.0000038$ $4.884765^{+0.000019}_{-0.000024}$ $17.664872^{+0.000014}_{-0.00011}$ $28.17221^{+0.00011}_{-0.00014}$ $3.5819111 \pm 1.7e-06$ $1891^{+56}_{-48}$ $6360^{+6280}_{-711}$ $16.141132 \pm 0.000019$ $241.8^{+1.3}_{-1.7}$ $11.5301 \pm 0.0078$ $34.369 \pm 0.073$ $3.4982^{+0.00022}_{-0.2327}$ $466.63^{+2.33}_{-2.74}$ $10.924709 \pm 0.000032$ $21.583298^{+0.000055}_{-0.000055}$ $82.6869 \pm 0.0003$ $482.8191^{+0.0018}_{-0.0017}$ $13.4586^{+0.00044}_{-0.0017}$ $2990^{+54}_{-51}$ $2343 \pm 2$ $4055^{+45}_{-44}$ $1804 \pm 73$	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.45}_{-0.56}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0036}_{-0.0084}$ $0.1010^{+0.0088}_{-0.001}$ $0.03939 \pm 0.0004$ $2.63^{+0.08}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.026}_{-0.028}$ $1.33^{+0.08}_{-0.01}$ $0.349 \pm 0.021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $0.349 \pm 0.021$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+8</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 347 ± 9 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 191 ± 6	microlensing transit transit  microlensing microlensing microlensing microlensing transit  transit  radial vel.	7000 ± 2000  23000 ± 4000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 1400  23000 ± 5000  23000 ± 3000  25000 ± 3000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.96  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0740  77.4046 ± 0.0740  398.255 ± 2.887  30.69986 ± 0.00925  82.6101 ± 0.1239  202.45560 ± 11.05904  148.6035 ± 0.2870  705.97 ± 1.68  705.97 ± 1.68  705.97 ± 1.68  705.97 ± 1.68  705.97 ± 1.68	0.26 ± 0.11  0.18 ± 0.18  1.19 ± 0.03  0.99 ± 0.03  0.93 ± 0.03  0.18 ± 0.05  0.37 ± 0.4  0.63 ± 0.02  0.465 ± 0.012  0.679 ± 0.017  0.679 ± 0.017  0.679 ± 0.017  0.455 ± 0.011  1.25 ± 0.02  1.4 ± 0.3  0.790 ± 0.040  0.62 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06	5581 ±60 5579 ±70 3576 ±88 5585 ±60 3662 ±130 3920 ±50 4051 ±239 4051 ±239 5868 ±60 3897 ±71 3522 ±70 6400 ±50 3657 4757 ±89 4757 ±89 5170 ±120	[36] [38] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39] [39] [40] [41] [42][43] [42][43] [44][45] [48] [49] [49] [49] [50] [51] [52] [52] [52] [52] [53]  As of August 2023, longest-period confirmed planet discovered by TESS [53] [54] [55] [55] [55] [55] [55] [55] [55
1751L b TOI-4406 b TOI-2338 b TOI-2589 b MOA- 2022-BLG- 249Lb KMT-2021- BLG-2010 b KMT-2022- BLG-1013 b TOI-3785 b TOI-3785 b TOI-2095 c TOI-4201 b BD-21 397 c EPIC 229004835 b Gliese 328 c Gliese 367 c Gliese 367 c C Gliese 367 c TOI-4600 b TOI-4600 c	$0.30 \pm 0.03$ $5.98^{+0.21}_{-0.20}$ $3.5 \pm 0.1$ $0.015 \pm 0.005$ $1.07^{+1.15}_{-0.08}$ $0.26^{+0.13}_{-0.11}$ $0.31^{+0.46}_{-0.18}$ $0.0470 \pm 0.0126$ $0.0180 \pm 0.0022$ $2.589 \pm 0.066$ $0.7 \pm 0.1$ $2.4^{+1.5}_{-0.0047}$ $0.0327^{+0.0050}_{-0.0047}$ $0.0673^{+0.0107}_{-0.0040}$ $0.0130 \pm 0.0011$ $0.0190 \pm 0.0015$ $0.0384^{+0.0057}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$ $\sim 0.0976$ $\sim 0.1510$ $0.0374 \pm 0.0060$ $3.0^{+0.7}_{-0.0080}$ $15.83^{+2.33}_{-2.74}$ $\sim 0.0976$	1.00 ± 0.02 1.08 ± 0.03 0.459 ± 0.014 0.178 ± 0.008 0.116 ± 0.009 0.124 ± 0.009 1.133 ± 0.024 0.2080 ± 0.0071 0.2081 ± 0.0084 0.2081 ± 0.0084 0.2081 ± 0.0084	22.65398 ±0.00002 61.6277 ±0.0002 61.6277 ±0.0002 4.6747373 ±0.0000038 4.884765 <sup>+0.000019</sup> 17.664872 <sup>+0.000014</sup> 17.664872 <sup>+0.000014</sup> 3.5819111 ±1.7e-06 1891 <sup>+56</sup> <sub>-48</sub> 6360 <sup>+6280</sup> <sub>-711</sub> 16.141132 ±0.000019 241.8 <sup>+1.3</sup> <sub>-1.7</sub> 11.5301 ±0.0078 34.369 ±0.073 3.4982 <sup>+0.00022</sup> <sub>-0.000052</sub> 466.63 <sup>+2.33</sup> <sub>-2.74</sub> 10.924709 ±0.000032 21.583298 <sup>+0.000055</sup> <sub>-0.000055</sub> 82.6869 ±0.0003 482.8191 <sup>+0.00016</sup> <sub>-0.0007</sub> 2990 <sup>+54</sup> <sub>-51</sub> 2343 ±2 4055 <sup>+46</sup> <sub>-44</sub> 1804 ±73	$1.46 \pm 0.16$ $1.39 \pm 0.50$ $0.201 \pm 0.005$ $0.158 \pm 0.03$ $0.300^{+0.006}_{-0.005}$ $1.63 \pm 0.35$ $1.79^{+0.30}_{-0.38}$ $3.02^{+0.46}_{-0.05}$ $1.38^{+0.18}_{-0.20}$ $0.043 \pm 0.001$ $0.0618^{+0.0030}_{-0.0084}$ $0.1010^{+0.0088}_{-0.001}$ $0.03939 \pm 0.0004$ $2.63^{+0.06}_{-0.05}$ $5.9^{+3.4}_{-0.5}$ $0.1237 \pm 0.0017$ $0.657^{+0.028}_{-0.028}$ $1.33^{+0.08}_{-0.011}$ $0.349 \pm 0.021$ $1.152 \pm 0.068$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $0.399^{+0.007}_{-0.028}$ $1.310^{+0.008}_{-0.007}$ $0.141^{+0.002}_{-0.007}$ $0.141^{+0.002}_{-0.007}$ $0.141^{+0.002}_{-0.007}$ $0.141^{+0.002}_{-0.007}$ $0.141^{+0.002}_{-0.007}$ $0.141^{+0.002}_{-0.007}$ $0.141^{+0.002}_{-0.004}$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $1.152 \pm 0.008$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $1.152 \pm 0.008$ $0.0943 \pm 0.0036$ $3.7 \pm 0.1$ $0.2958^{+0.0042}_{-0.0042}$	799 <sup>+10</sup> 592 <sup>+7</sup> 592 <sup>+7</sup> 582 ± 16 1055.8 <sup>+36.2</sup> 347 ± 9 297 ± 8 745 ± 14  804 ± 10  347 <sup>+12</sup> 191 ± 6	microlensing transit transit  transit  microlensing microlensing microlensing microlensing transit transit  transit  transit  transit  transit  transit  transit  transit  transit  radial vel.  radial vel.	7000 ± 20000  23000 ± 40000  861 ± 7  1032 ± 7  658 ± 3  6500 ± 14000  23000 ± 40000  23000 ± 40000  23000 ± 30000  25000 ± 30000  259.0 ± 0.3  245.5 ± 0.2  136.73 ± 0.08  611.54 ± 1.96  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  77.4046 ± 0.0744  398.255 ± 2.825  66.96874 ± 0.54957  30.69986 ± 0.00925  82.6101 ± 0.1248  202.45560 ± 11.05904  148.6035 ± 0.2870  705.97 ± 1.68  705.97 ± 1.68  77.8988 ± 0.0828  705.97 ± 1.68  77.8988 ± 0.0828  148.6035 ± 0.2870  705.97 ± 1.68  77.8988 ± 0.0828  126.1689 ± 0.2105  187.2993 ± 0.0889	0.26 ± 0.11  0.18 ± 0.18  1.19 ± 0.03  0.99 ± 0.03  0.93 ± 0.02  0.18 ± 0.05  0.37 ± 0.43  0.63 ± 0.28  0.18 ± 0.012  0.956 ± 0.012  0.679 ± 0.017  0.679 ± 0.017  0.679 ± 0.011  1.25 ± 0.02  1.4 ± 0.3  0.790 ± 0.028  0.89 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  0.89 ± 0.05  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06  1.28 ± 0.06	5581 ± 60 5579 ± 70 3576 ± 88 5585 ± 60 3662 ± 130 3662 ± 130 3920 ± 50 4051 ± 239 4051 ± 239 5868 ± 60 3897 ± 71 3522 ± 70 6400 ± 50 3657 4757 ± 89 4757 ± 89 5170 ± 120 5170 ± 120	[36] [36] [37] [37] [37] [38]  Multiple orbital solutions [39]  Multiple orbital solutions [39]  [40] [41] [42](43] [42](43] [44](45] [48] [48] [49] [49] [49] [50] [51] [52] [53]  As of August 2023, longest-period confirmed planet discovered by TESS [53] [54] [55] [55] [55] [55] [56] [56] [57]