Table 1. Median values and 68% confidence interval for OGLE-TR-1051.

Parameter	Units	Values
Stellar Parameters:		
M_*	Mass ($M_\odot$)	$0.946^{+0.12}_{-0.073}$
R_*	Radius ($R_\odot$)	$4.00^{+0.21}_{-0.15}$
$R_{*,SED}$ . .	Radius[1] ($R_\odot$)	$4.12^{+0.28}_{-0.24}$
L_*	Luminosity ($L_\odot$)	$7.49^{+1.2}_{-0.99}$
F_{Bol}	Bolometric Flux (cgs)	$0.0000000000291^{+0.0000000000030}_{-0.0000000000034}$
ρ_*	Density (cgs)	$0.02059^{+0.0015}_{-0.00048}$
$\log g$	Surface gravity (cgs)	$3.210^{+0.031}_{-0.018}$
$T_{\rm eff}$	Effective Temperature (K)	4770^{+140}_{-150}
$T_{\rm eff,SED}$ . .	Effective Temperature[1] (K)	4720^{+130}_{-160}
[Fe/H] . .	Metallicity (dex)	$-0.20^{+0.23}_{-0.38}$
$[{\rm Fe/H}]_0$.	Initial Metallicity[2]	$-0.24^{+0.22}_{-0.36}$
Age	Age (Gyr)	$11.3^{+1.9}_{-3.5}$
EEP	Equal Evolutionary Phase[3]	$491.8^{+1.9}_{-1.7}$
A_V	V-band extinction (mag)	$1.83^{+0.14}_{-0.21}$
σ_{SED}	SED photometry error scaling	$11.7^{+1.8}_{-1.5}$
ϖ	Parallax (mas)	$0.347^{+0.023}_{-0.025}$
d	Distance (pc)	2880^{+220}_{-180}
Planetary Parameters:		b
P	Period (days)	$1.0213727^{+0.0000084}_{-0.0000097}$
R_P	Radius ($R_{\rm J}$)	$1.407^{+0.10}_{-0.069}$
M_P	Mass[4] ($M_{\rm J}$)	$1.16^{+14}_{-0.75}$
T_C	Time of conjunction[5] ($BJD_{\rm TDB}$)	$2455376.673^{+0.014}_{-0.013}$
T_T	Time of minimum projected separation[6] ($BJD_{\rm TDB}$)	$2455376.673^{+0.014}_{-0.013}$
T_0	Optimal conjunction Time[7] ($BJD_{\rm TDB}$)	$2456398.0454^{+0.0094}_{-0.0095}$
a	Semi-major axis (AU)	$0.01956^{+0.00098}_{-0.00055}$
i	Inclination (Degrees)	$78.8^{+7.8}_{-12}$
T_{eq}	Equilibrium temperature[8] (K)	3280^{+100}_{-110}
$\tau_{\rm circ}$	Tidal circularization timescale (Gyr)	$0.00072^{+0.013}_{-0.00050}$
K	RV semi-amplitude[4] (m/s)	240^{+3000}_{-160}
R_P/R_* . .	Radius of planet in stellar radii	$0.0362^{+0.0013}_{-0.0012}$
a/R_* . . .	Semi-major axis in stellar radii	$1.0456^{+0.025}_{-0.0071}$
δ	$\left(R_P/R_*\right)^2$	$0.001312^{+0.000095}_{-0.000083}$
$\delta_{\rm I}$	Transit depth in I (fraction)	$0.00165^{+0.00011}_{-0.00010}$
$\delta_{\rm V}$	Transit depth in V (fraction)	$0.00192^{+0.00016}_{-0.00015}$
τ	Ingress/egress transit duration (days)	$0.045^{+0.010}_{-0.012}$
T_{14}	Total transit duration (days)	$0.465^{+0.024}_{-0.040}$

Table 1 *(continued)*

Parameter	Units	Values		
T_{FWHM} ..	FWHM transit duration (days)	$0.420^{+0.016}_{-0.031}$		
b	Transit Impact parameter	$0.21^{+0.21}_{-0.14}$		
$\delta_{S,2.5\mu m}$ ..	Blackbody eclipse depth at $2.5\mu m$ (ppm)	642^{+50}_{-44}		
$\delta_{S,5.0\mu m}$ ..	Blackbody eclipse depth at $5.0\mu m$ (ppm)	773^{+57}_{-50}		
$\delta_{S,7.5\mu m}$ ..	Blackbody eclipse depth at $7.5\mu m$ (ppm)	816^{+60}_{-52}		
ρ_P	Density[4] (cgs)	$0.54^{+8.2}_{-0.36}$		
$logg_P$ ...	Surface gravity[4]	$3.17^{+1.2}_{-0.48}$		
Θ	Safronov Number	$0.035^{+0.48}_{-0.023}$		
$\langle F \rangle$	Incident Flux (10^9 erg s^{-1} cm^{-2})	$26.3^{+3.5}_{-3.3}$		
T_P	Time of Periastron (BJD$_{TDB}$)	$2455376.673^{+0.014}_{-0.013}$		
T_S	Time of eclipse (BJD$_{TDB}$)	$2455377.183^{+0.014}_{-0.013}$		
T_A	Time of Ascending Node (BJD$_{TDB}$)	$2455377.439^{+0.014}_{-0.013}$		
T_D	Time of Descending Node (BJD$_{TDB}$)	$2455376.928^{+0.014}_{-0.013}$		
V_c/V_e ...	....	1.00		
$M_P \sin i$.	Minimum mass[4] (M_J)	$1.12^{+14}_{-0.73}$		
M_P/M_* .	Mass ratio[4]	$0.00118^{+0.015}_{-0.00077}$		
d/R_* ...	Separation at mid transit	$1.0456^{+0.025}_{-0.0071}$		
P_T	A priori non-grazing transit prob	$0.9214^{+0.0067}_{-0.021}$		
$P_{T,G}$	A priori transit prob	$0.9912^{+0.0068}_{-0.023}$		
Wavelength Parameters:		I	V	
u_1	linear limb-darkening coeff	$0.440^{+0.046}_{-0.053}$	$0.683^{+0.068}_{-0.080}$	
u_2	quadratic limb-darkening coeff	$0.212^{+0.043}_{-0.040}$	$0.105^{+0.066}_{-0.058}$	
Transit Parameters:		OGLE UT 2010-03-06 (I)	OGLE UT 2010-03-06 (V)	OGLE UT 2010-06-29
σ^2	Added Variance	$0.00003065^{+0.00000047}_{-0.00000046}$	$0.0000319^{+0.0000060}_{-0.0000052}$	$0.00003064^{+0.00000047}_{-0.00000046}$
F_0	Baseline flux	$1.000628^{+0.000063}_{-0.000064}$	1.00049 ± 0.00052	$1.000629^{+0.000063}_{-0.000064}$

See Table 3 in Eastman, J. et al., 2019, arXiv:1907.09480 for a detailed description of all parameters

[1] This value ignores the systematic error and is for reference only

[2] The metallicity of the star at birth

[3] Corresponds to static points in a star's evolutionary history. See §2 in Dotter, A., 2016, ApJS, 222, 8

[4] Uses measured radius and estimated mass from Chen, J., & Kipping, D. 2017, ApJ, 834, 17

[5] Time of conjunction is commonly reported as the "transit time"

[6] Time of minimum projected separation is a more correct "transit time"

[7] Optimal time of conjunction minimizes the covariance between T_C and Period

[8] Assumes no albedo and perfect redistribution