Table 1. Median values and 68% confidence interval for OGLE-TR-1036.

Parameter	Units	Values
Stellar Parameters:		
M_*	Mass ($M_\odot$)	$0.794^{+0.083}_{-0.034}$
R_*	Radius ($R_\odot$)	$1.329^{+0.050}_{-0.043}$
$R_{*,SED}$ ..	Radius[1] ($R_\odot$)	$1.343^{+0.080}_{-0.076}$
L_*	Luminosity ($L_\odot$)	$3.15^{+0.77}_{-0.66}$
F_{Bol}	Bolometric Flux (cgs)	$0.000000000084^{+0.000000000017}_{-0.000000000015}$
ρ_*	Density (cgs)	$0.486^{+0.040}_{-0.035}$
$\log g$	Surface gravity (cgs)	$4.099^{+0.028}_{-0.025}$
$T_{\rm eff}$	Effective Temperature (K)	6690^{+320}_{-380}
$T_{\rm eff,SED}$ ..	Effective Temperature[1] (K)	6660^{+350}_{-410}
[Fe/H] ..	Metallicity (dex)	$-3.51^{+2.1}_{-0.86}$
$[{\rm Fe/H}]_0$.	Initial Metallicity[2]	$-2.93^{+1.8}_{-0.86}$
Age	Age (Gyr)	$11.5^{+1.6}_{-2.6}$
EEP	Equal Evolutionary Phase[3]	$435.7^{+8.4}_{-5.8}$
A_V	V-band extinction (mag)	$1.18^{+0.47}_{-0.30}$
σ_{SED}	SED photometry error scaling	$18.0^{+2.6}_{-2.1}$
ϖ	Parallax (mas)	$0.912^{+0.070}_{-0.067}$
d	Distance (pc)	1096^{+87}_{-78}
Planetary Parameters:		b
P	Period (days)	$0.93942100 \pm 0.00000041$
R_P	Radius ($R_{\rm J}$)	$1.668^{+0.11}_{-0.091}$
M_P	Mass[4] ($M_{\rm J}$)	$0.398^{+0.013}_{-0.026}$
T_C	Time of conjunction[5] ($\rm BJD_{TDB}$)	$2455261.03860 \pm 0.00076$
T_T	Time of minimum projected separation[6] ($\rm BJD_{TDB}$)	$2455261.03860 \pm 0.00076$
T_0	Optimal conjunction Time[7] ($\rm BJD_{TDB}$)	$2456771.62757 \pm 0.00039$
a	Semi-major axis (AU)	$0.01739^{+0.00059}_{-0.00025}$
i	Inclination (Degrees)	$71.70^{+0.71}_{-0.75}$
T_{eq}	Equilibrium temperature[8] (K)	2810^{+140}_{-170}
$\tau_{\rm circ}$	Tidal circularization timescale (Gyr)	$0.000061^{+0.000019}_{-0.000015}$
K	RV semi-amplitude[4] (m/s)	$89.8^{+5.6}_{-8.2}$
R_P/R_* ..	Radius of planet in stellar radii	$0.1284^{+0.0051}_{-0.0038}$
a/R_* ...	Semi-major axis in stellar radii	$2.830^{+0.075}_{-0.071}$
δ	$\left(R_P/R_*\right)^2$	$0.01648^{+0.0013}_{-0.00096}$
$\delta_{\rm I}$	Transit depth in I (fraction)	$0.01447^{+0.00040}_{-0.00041}$
$\delta_{\rm V}$	Transit depth in V (fraction)	$0.01330^{+0.00062}_{-0.00066}$
τ	Ingress/egress transit duration (days)	$0.03904^{+0.00086}_{-0.0012}$
T_{14}	Total transit duration (days)	0.0782 ± 0.0016

Table 1 continued on next page

Table 1 *(continued)*

Parameter	Units	Values	
T_{FWHM} ..	FWHM transit duration (days)	$0.03935^{+0.0013}_{-0.00083}$	
b	Transit Impact parameter	$0.889^{+0.014}_{-0.012}$	
$\delta_{S,2.5\mu m}$ ..	Blackbody eclipse depth at 2.5μm (ppm)	3310^{+370}_{-320}	
$\delta_{S,5.0\mu m}$ ..	Blackbody eclipse depth at 5.0μm (ppm)	4930^{+480}_{-360}	
$\delta_{S,7.5\mu m}$ ..	Blackbody eclipse depth at 7.5μm (ppm)	5550^{+520}_{-380}	
ρ_P	Density[4] (cgs)	$0.104^{+0.021}_{-0.017}$	
$loggP$ ...	Surface gravity[4]	$2.541^{+0.055}_{-0.054}$	
Θ	Safronov Number	$0.0102^{+0.0010}_{-0.0011}$	
$\langle F \rangle$	Incident Flux (10^9 erg s^{-1} cm^{-2})	14.2 ± 3.1	
T_P	Time of Periastron (BJD$_{\rm TDB}$)	$2455261.03860 \pm 0.00076$	
T_S	Time of eclipse (BJD$_{\rm TDB}$)	$2455261.50831 \pm 0.00076$	
T_A	Time of Ascending Node (BJD$_{\rm TDB}$)	$2455261.74317 \pm 0.00076$	
T_D	Time of Descending Node (BJD$_{\rm TDB}$)	$2455261.27346 \pm 0.00076$	
V_c/V_e ...	.....	1.00	
$M_P \sin i$.	Minimum mass[4] ($M_{\rm J}$)	$0.378^{+0.012}_{-0.024}$	
M_P/M_* .	Mass ratio[4]	$0.000469^{+0.000037}_{-0.000054}$	
d/R_* ...	Separation at mid transit	$2.830^{+0.075}_{-0.071}$	
P_T	A priori non-grazing transit prob	$0.3077^{+0.0071}_{-0.0072}$	
$P_{T,G}$	A priori transit prob	0.399 ± 0.011	
Wavelength Parameters:		I	V
u_1	linear limb-darkening coeff	$0.201^{+0.057}_{-0.053}$	$0.338^{+0.060}_{-0.053}$
u_2	quadratic limb-darkening coeff	0.290 ± 0.050	$0.305^{+0.051}_{-0.052}$
Transit Parameters:		OGLE UT 2010-03-05 (I)	OGLE UT 2010-03-05 (V)
σ^2	Added Variance	$0.00002499 \pm 0.00000036$	$0.0000748^{+0.0000088}_{-0.0000076}$
F_0	Baseline flux	$1.000411^{+0.000047}_{-0.000048}$	0.99957 ± 0.00062

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