Table 1. Median values and 68% confidence interval for OGLE-TR-1064.

Parameter	Units	Values
Stellar Parameters:		
M_*	Mass ($M_\odot$)	$1.09^{+0.27}_{-0.50}$
R_*	Radius ($R_\odot$)	$1.87^{+0.14}_{-0.13}$
$R_{*,SED}$ ..	Radius[1] ($R_\odot$)	$1.84^{+0.16}_{-0.14}$
L_*	Luminosity ($L_\odot$)	$2.42^{+1.00}_{-0.65}$
F_{Bol}	Bolometric Flux (cgs)	$0.0000000000145^{+0.0000000000038}_{-0.0000000000026}$
ρ_*	Density (cgs)	$0.219^{+0.079}_{-0.090}$
$\log g$	Surface gravity (cgs)	$3.92^{+0.11}_{-0.24}$
$T_{\rm eff}$	Effective Temperature (K)	5240^{+430}_{-310}
$T_{\rm eff,SED}$ ..	Effective Temperature[1] (K)	5280^{+430}_{-320}
[Fe/H]..	Metallicity (dex)	$-1.22^{+0.76}_{-0.96}$
$[{\rm Fe/H}]_0$.	Initial Metallicity[2]	$-1.24^{+0.75}_{-0.97}$
Age	Age (Gyr)	$0.00139^{+0.0019}_{-0.00086}$
EEP	Equal Evolutionary Phase[3]	147^{+21}_{-36}
A_V	V-band extinction (mag)	$0.74^{+0.31}_{-0.28}$
σ_{SED}	SED photometry error scaling	$9.5^{+1.5}_{-1.2}$
ϖ	Parallax (mas)	$0.434^{+0.040}_{-0.038}$
d	Distance (pc)	2300^{+220}_{-200}
Planetary Parameters:		b
P	Period (days)	$0.6700153^{+0.0000014}_{-0.0000017}$
R_P	Radius ($R_{\rm J}$)	$1.045^{+0.13}_{-0.097}$
M_P	Mass[4] ($M_{\rm J}$)	42 ± 31
T_C	Time of conjunction[5] ($\rm BJD_{TDB}$)	$2455286.4298^{+0.0046}_{-0.0039}$
T_T	Time of minimum projected separation[6] ($\rm BJD_{TDB}$)	$2455286.4298^{+0.0046}_{-0.0039}$
T_0	Optimal conjunction Time[7] ($\rm BJD_{TDB}$)	$2456950.7480^{+0.0020}_{-0.0021}$
a	Semi-major axis (AU)	$0.0156^{+0.0012}_{-0.0028}$
i	Inclination (Degrees)	$61.9^{+5.7}_{-11}$
T_{eq}	Equilibrium temperature[8] (K)	2850 ± 200
$\tau_{\rm circ}$	Tidal circularization timescale (Gyr)	$0.019^{+0.031}_{-0.015}$
K	RV semi-amplitude[4] (m/s)	8400^{+6000}_{-5900}
R_P/R_* ..	Radius of planet in stellar radii	$0.0566^{+0.0077}_{-0.0033}$
a/R_* ...	Semi-major axis in stellar radii	$1.75^{+0.19}_{-0.27}$
δ	$\left(R_P/R_*\right)^2$	$0.00320^{+0.00093}_{-0.00036}$
$\delta_{\rm I}$	Transit depth in I (fraction)	$0.00306^{+0.00034}_{-0.00025}$
$\delta_{\rm V}$	Transit depth in V (fraction)	$0.00292^{+0.00027}_{-0.00031}$
τ	Ingress/egress transit duration (days)	$0.0150^{+0.027}_{-0.0046}$
T_{14}	Total transit duration (days)	$0.0945^{+0.0064}_{-0.0054}$

Table 1 continued on next page

Table 1 *(continued)*

Parameter	Units	Values	
T_{FWHM} ..	FWHM transit duration (days)	$0.0771^{+0.0069}_{-0.021}$	
b	Transit Impact parameter	$0.829^{+0.10}_{-0.091}$	
$\delta_{S,2.5\mu m}$ ..	Blackbody eclipse depth at 2.5μm (ppm)	940^{+480}_{-170}	
$\delta_{S,5.0\mu m}$ ..	Blackbody eclipse depth at 5.0μm (ppm)	1290^{+590}_{-200}	
$\delta_{S,7.5\mu m}$ ..	Blackbody eclipse depth at 7.5μm (ppm)	1420^{+620}_{-210}	
ρ_P	Density[4] (cgs)	46^{+42}_{-35}	
$logg_P$ ...	Surface gravity[4]	$5.01^{+0.24}_{-0.61}$	
Θ	Safronov Number	$1.25^{+1.0}_{-0.90}$	
$\langle F \rangle$	Incident Flux (10^9 erg s^{-1} cm^{-2})	$15.0^{+4.7}_{-3.7}$	
T_P	Time of Periastron (BJD$_{\rm TDB}$)	$2455286.4298^{+0.0046}_{-0.0039}$	
T_S	Time of eclipse (BJD$_{\rm TDB}$)	$2455286.0948^{+0.0046}_{-0.0039}$	
T_A	Time of Ascending Node (BJD$_{\rm TDB}$)	$2455286.9323^{+0.0046}_{-0.0039}$	
T_D	Time of Descending Node (BJD$_{\rm TDB}$)	$2455286.5973^{+0.0046}_{-0.0039}$	
V_c/V_e ...	.....	1.00	
$M_P \sin i$.	Minimum mass[4] ($M_{\rm J}$)	37^{+29}_{-27}	
M_P/M_* .	Mass ratio[4]	$0.039^{+0.036}_{-0.027}$	
d/R_* ...	Separation at mid transit	$1.75^{+0.19}_{-0.27}$	
P_T	A priori non-grazing transit prob	$0.538^{+0.093}_{-0.052}$	
$P_{T,G}$	A priori transit prob	$0.602^{+0.12}_{-0.060}$	
Wavelength Parameters:		I	V
u_1	linear limb-darkening coeff	$0.278^{+0.10}_{-0.078}$	$0.423^{+0.14}_{-0.089}$
u_2	quadratic limb-darkening coeff	$0.288^{+0.059}_{-0.063}$	$0.276^{+0.068}_{-0.091}$
Transit Parameters:		OGLE UT 2010-03-30 (I)	OGLE UT 2010-03-30 (V)
σ^2	Added Variance	$0.00003565^{+0.00000057}_{-0.00000056}$	$0.0000189^{+0.0000034}_{-0.0000029}$
F_0	Baseline flux	$1.000499^{+0.000063}_{-0.000064}$	$0.99967^{+0.00039}_{-0.00040}$

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