Table 1. Median values and 68% confidence interval for OGLE-TR-1030.

Parameter	Units	Values
Stellar Parameters:		
M_*	Mass ($M_\odot$)	$1.43^{+0.16}_{-0.17}$
R_*	Radius ($R_\odot$)	$2.06^{+0.32}_{-0.51}$
$R_{*,SED}$ ..	Radius[1] ($R_\odot$)	$2.10^{+0.31}_{-0.42}$
L_*	Luminosity ($L_\odot$)	$4.6^{+1.8}_{-1.3}$
F_{Bol}	Bolometric Flux (cgs)	$0.0000000000443^{+0.0000000000082}_{-0.0000000000064}$
ρ_*	Density (cgs)	$0.228^{+0.31}_{-0.079}$
$\log g$	Surface gravity (cgs)	$3.97^{+0.24}_{-0.13}$
$T_{\rm eff}$	Effective Temperature (K)	6020^{+410}_{-360}
$T_{\rm eff,SED}$ ..	Effective Temperature[1] (K)	5920^{+350}_{-330}
[Fe/H]..	Metallicity (dex)	$0.33^{+0.12}_{-0.21}$
$[{\rm Fe/H}]_0$.	Initial Metallicity[2]	$0.36^{+0.10}_{-0.20}$
Age	Age (Gyr)	$2.7^{+2.2}_{-1.4}$
EEP	Equal Evolutionary Phase[3]	399^{+59}_{-60}
A_V	V-band extinction (mag)	$2.56^{+0.22}_{-0.23}$
σ_{SED}	SED photometry error scaling	$9.8^{+1.6}_{-1.3}$
ϖ	Parallax (mas)	$0.541^{+0.11}_{-0.069}$
d	Distance (pc)	1850^{+270}_{-310}
Planetary Parameters:		b
P	Period (days)	$18.187449^{+0.000075}_{-0.000076}$
R_P	Radius ($R_{\rm J}$)	$1.99^{+0.41}_{-0.60}$
M_P	Mass[4] ($M_{\rm J}$)	182^{+43}_{-180}
T_C	Time of conjunction[5] ($\rm BJD_{TDB}$)	$2455388.3509^{+0.0072}_{-0.0065}$
T_T	Time of minimum projected separation[6] ($\rm BJD_{TDB}$)	$2455388.3509^{+0.0072}_{-0.0065}$
T_0	Optimal conjunction Time[7] ($\rm BJD_{TDB}$)	$2456625.0977^{+0.0045}_{-0.0044}$
a	Semi-major axis (AU)	$0.1566^{+0.0072}_{-0.0064}$
i	Inclination (Degrees)	$87.50^{+1.4}_{-0.69}$
T_{eq}	Equilibrium temperature[8] (K)	1029^{+70}_{-65}
$\tau_{\rm circ}$	Tidal circularization timescale (Gyr)	4800^{+4400}_{-4600}
K	RV semi-amplitude[4] (m/s)	10200^{+2300}_{-10000}
R_P/R_* ..	Radius of planet in stellar radii	$0.0982^{+0.0060}_{-0.0068}$
a/R_* ...	Semi-major axis in stellar radii	$16.5^{+4.6}_{-2.0}$
δ	$\left(R_P/R_*\right)^2$	$0.0097^{+0.0012}_{-0.0013}$
$\delta_{\rm I}$	Transit depth in I (fraction)	$0.00991^{+0.00075}_{-0.00079}$
$\delta_{\rm V}$	Transit depth in V (fraction)	$0.01011^{+0.00069}_{-0.00070}$
τ	Ingress/egress transit duration (days)	$0.051^{+0.022}_{-0.023}$
T_{14}	Total transit duration (days)	0.292 ± 0.016

Table 1 continued on next page

Table 1 *(continued)*

Parameter	Units	Values
T_{FWHM} ..	FWHM transit duration (days)	$0.242^{+0.014}_{-0.016}$
b	Transit Impact parameter	$0.717^{+0.089}_{-0.31}$
$\delta_{S,2.5\mu m}$ ..	Blackbody eclipse depth at 2.5μm (ppm)	61^{+28}_{-27}
$\delta_{S,5.0\mu m}$ ..	Blackbody eclipse depth at 5.0μm (ppm)	400^{+110}_{-140}
$\delta_{S,7.5\mu m}$ ..	Blackbody eclipse depth at 7.5μm (ppm)	690^{+160}_{-210}
ρ_P	Density[4] (cgs)	$21.3^{+8.8}_{-21}$
$logg_P$ ...	Surface gravity[4]	$4.998^{+0.070}_{-1.8}$
Θ	Safronov Number	$19.4^{+2.8}_{-19}$
$\langle F \rangle$	Incident Flux (10^9 erg s^{-1} cm^{-2})	$0.255^{+0.077}_{-0.058}$
T_P	Time of Periastron (BJD$_{\rm TDB}$)	$2455388.3509^{+0.0072}_{-0.0065}$
T_S	Time of eclipse (BJD$_{\rm TDB}$)	$2455397.4447^{+0.0072}_{-0.0065}$
T_A	Time of Ascending Node (BJD$_{\rm TDB}$)	$2455401.9915^{+0.0071}_{-0.0064}$
T_D	Time of Descending Node (BJD$_{\rm TDB}$)	$2455392.8978^{+0.0072}_{-0.0064}$
V_c/V_e ...	.....	1.00
$M_P \sin i$.	Minimum mass[4] ($M_{\rm J}$)	182^{+43}_{-180}
M_P/M_* .	Mass ratio[4]	$0.119^{+0.034}_{-0.12}$
d/R_* ...	Separation at mid transit	$16.5^{+4.6}_{-2.0}$
P_T	A priori non-grazing transit prob	$0.0547^{+0.0075}_{-0.012}$
$P_{T,G}$	A priori transit prob	$0.0667^{+0.0097}_{-0.015}$

Wavelength Parameters:		I	V
u_1	linear limb-darkening coeff	$0.262^{+0.070}_{-0.069}$	$0.438^{+0.089}_{-0.083}$
u_2	quadratic limb-darkening coeff	$0.303^{+0.055}_{-0.058}$	$0.276^{+0.064}_{-0.068}$

Transit Parameters:		OGLE UT 2010-07-10 (I)	OGLE UT 2010-07-10 (V)
σ^2	Added Variance	$0.00002450^{+0.00000045}_{-0.00000044}$	$0.0000234^{+0.0000044}_{-0.0000037}$
F_0	Baseline flux	$1.000054^{+0.000056}_{-0.000057}$	$1.00054^{+0.00045}_{-0.00044}$

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