**Table 1**. Median values and 68% confidence interval for OGLE-TR-1083.

| Parameter | Units | Values |
|---|---|---|
| Stellar Parameters: | | |
| $M_*$ ..... | Mass ($M_\odot$) ..... | $1.067^{+0.090}_{-0.093}$ |
| $R_*$ ..... | Radius ($R_\odot$) ..... | $1.112^{+0.062}_{-0.055}$ |
| $R_{*,SED}$ .. | Radius[1] ($R_\odot$) ..... | $1.138^{+0.068}_{-0.062}$ |
| $L_*$ ..... | Luminosity ($L_\odot$) ..... | $1.15^{+0.21}_{-0.17}$ |
| $F_{Bol}$ ..... | Bolometric Flux (cgs) ..... | $0.0000000000170^{+0.0000000000020}_{-0.0000000000017}$ |
| $\rho_*$ ..... | Density (cgs) ..... | $1.09^{+0.19}_{-0.18}$ |
| $\log g$ .... | Surface gravity (cgs) ..... | $4.375^{+0.051}_{-0.058}$ |
| $T_{\rm eff}$ ..... | Effective Temperature (K) ..... | $5670^{+190}_{-180}$ |
| $T_{\rm eff,SED}$ .. | Effective Temperature[1] (K) ..... | $5610^{+210}_{-200}$ |
| [Fe/H].. | Metallicity (dex) ..... | $0.33^{+0.14}_{-0.18}$ |
| $[{\rm Fe/H}]_0$ . | Initial Metallicity[2] ..... | $0.32^{+0.12}_{-0.15}$ |
| $Age$ ..... | Age (Gyr) ..... | $5.0^{+5.0}_{-3.6}$ |
| $EEP$ .... | Equal Evolutionary Phase[3] ..... | $378^{+39}_{-50}$ |
| $A_V$ ..... | V-band extinction (mag) ..... | $0.62 \pm 0.15$ |
| $\sigma_{SED}$ .... | SED photometry error scaling ..... | $7.13^{+1.1}_{-0.87}$ |
| $\varpi$ ..... | Parallax (mas) ..... | $0.681 \pm 0.038$ |
| $d$ ..... | Distance (pc) ..... | $1468^{+87}_{-78}$ |
| Planetary Parameters: | | b |
| $P$ ..... | Period (days) ..... | $5.410081^{+0.000011}_{-0.000010}$ |
| $R_P$ ..... | Radius ($R_{\rm J}$) ..... | $1.084^{+0.077}_{-0.068}$ |
| $M_P$ ..... | Mass[4] ($M_{\rm J}$) ..... | $36^{+33}_{-27}$ |
| $T_C$ ..... | Time of conjunction[5] ($\rm BJD_{TDB}$) ..... | $2455380.6355^{+0.0035}_{-0.0036}$ |
| $T_T$ ..... | Time of minimum projected separation[6] ($\rm BJD_{TDB}$) | $2455380.6355^{+0.0035}_{-0.0036}$ |
| $T_0$ ..... | Optimal conjunction Time[7] ($\rm BJD_{TDB}$) ..... | $2456933.3287 \pm 0.0020$ |
| $a$ ..... | Semi-major axis (AU) ..... | $0.0624^{+0.0017}_{-0.0019}$ |
| $i$ ..... | Inclination (Degrees) ..... | $87.62^{+0.70}_{-0.60}$ |
| $T_{eq}$ ..... | Equilibrium temperature[8] (K) ..... | $1155^{+44}_{-40}$ |
| $\tau_{\rm circ}$ ..... | Tidal circularization timescale (Gyr) ..... | $130^{+160}_{-100}$ |
| $K$ ..... | RV semi-amplitude[4] (m/s) ..... | $4000^{+3400}_{-2900}$ |
| $R_P/R_*$ .. | Radius of planet in stellar radii ..... | $0.1003^{+0.0034}_{-0.0033}$ |
| $a/R_*$ ... | Semi-major axis in stellar radii ..... | $12.06^{+0.68}_{-0.72}$ |
| $\delta$ ..... | $\left(R_P/R_*\right)^2$ ..... | $0.01005^{+0.00069}_{-0.00065}$ |
| $\delta_{\rm I}$ ..... | Transit depth in I (fraction) ..... | $0.01138^{+0.00068}_{-0.00066}$ |
| $\delta_{\rm V}$ ..... | Transit depth in V (fraction) ..... | $0.01241^{+0.00081}_{-0.00077}$ |
| $\tau$ ..... | Ingress/egress transit duration (days) ..... | $0.0166^{+0.0027}_{-0.0022}$ |
| $T_{14}$ ..... | Total transit duration (days) ..... | $0.1406^{+0.0045}_{-0.0044}$ |

*Table 1 continued on next page*

**Table 1** *(continued)*

| Parameter | Units | Values |
|---|---|---|
| $T_{FWHM}$ .. | FWHM transit duration (days) ..... | $0.1236^{+0.0052}_{-0.0051}$ |
| $b$ ..... | Transit Impact parameter ..... | $0.502^{+0.093}_{-0.13}$ |
| $\delta_{S,2.5\mu m}$ .. | Blackbody eclipse depth at 2.5$\mu$m (ppm) ..... | $121^{+24}_{-20}$ |
| $\delta_{S,5.0\mu m}$ .. | Blackbody eclipse depth at 5.0$\mu$m (ppm) ..... | $598^{+73}_{-63}$ |
| $\delta_{S,7.5\mu m}$ .. | Blackbody eclipse depth at 7.5$\mu$m (ppm) ..... | $947^{+98}_{-86}$ |
| $\rho_P$ ..... | Density[4] (cgs) ..... | $36^{+36}_{-28}$ |
| $logg_P$ ... | Surface gravity[4] ..... | $4.90^{+0.30}_{-0.59}$ |
| $\Theta$ ..... | Safronov Number ..... | $4.0^{+3.8}_{-2.9}$ |
| $\langle F \rangle$ ..... | Incident Flux ($10^9$ erg s$^{-1}$ cm$^{-2}$) ..... | $0.404^{+0.065}_{-0.054}$ |
| $T_P$ ..... | Time of Periastron (BJD$_{\rm TDB}$) ..... | $2455380.6355^{+0.0035}_{-0.0036}$ |
| $T_S$ ..... | Time of eclipse (BJD$_{\rm TDB}$) ..... | $2455383.3406^{+0.0035}_{-0.0036}$ |
| $T_A$ ..... | Time of Ascending Node (BJD$_{\rm TDB}$) ..... | $2455384.6931^{+0.0035}_{-0.0036}$ |
| $T_D$ ..... | Time of Descending Node (BJD$_{\rm TDB}$) ..... | $2455381.9880^{+0.0035}_{-0.0036}$ |
| $V_c/V_e$ ... | ..... | 1.00 |
| $M_P \sin i$ . | Minimum mass[4] ($M_{\rm J}$) ..... | $36^{+33}_{-27}$ |
| $M_P/M_*$ . | Mass ratio[4] ..... | $0.033^{+0.030}_{-0.024}$ |
| $d/R_*$ ... | Separation at mid transit ..... | $12.06^{+0.68}_{-0.72}$ |
| $P_T$ ..... | A priori non-grazing transit prob ..... | $0.0746^{+0.0047}_{-0.0039}$ |
| $P_{T,G}$ .... | A priori transit prob ..... | $0.0912^{+0.0059}_{-0.0050}$ |
| Wavelength Parameters: | | I / V |
| $u_1$ ..... | linear limb-darkening coeff ..... | $0.324^{+0.056}_{-0.057}$ / $0.516 \pm 0.065$ |
| $u_2$ ..... | quadratic limb-darkening coeff ..... | $0.272 \pm 0.052$ / $0.225^{+0.057}_{-0.058}$ |
| Transit Parameters: | | OGLE UT 2010-07-03 (I) / OGLE UT 2010-07-03 (V) |
| $\sigma^2$ ..... | Added Variance ..... | $0.00007207 \pm 0.00000095$ / $0.000130^{+0.000014}_{-0.000013}$ |
| $F_0$ ..... | Baseline flux ..... | $1.000072 \pm 0.000076$ / $0.99969 \pm 0.00080$ |

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