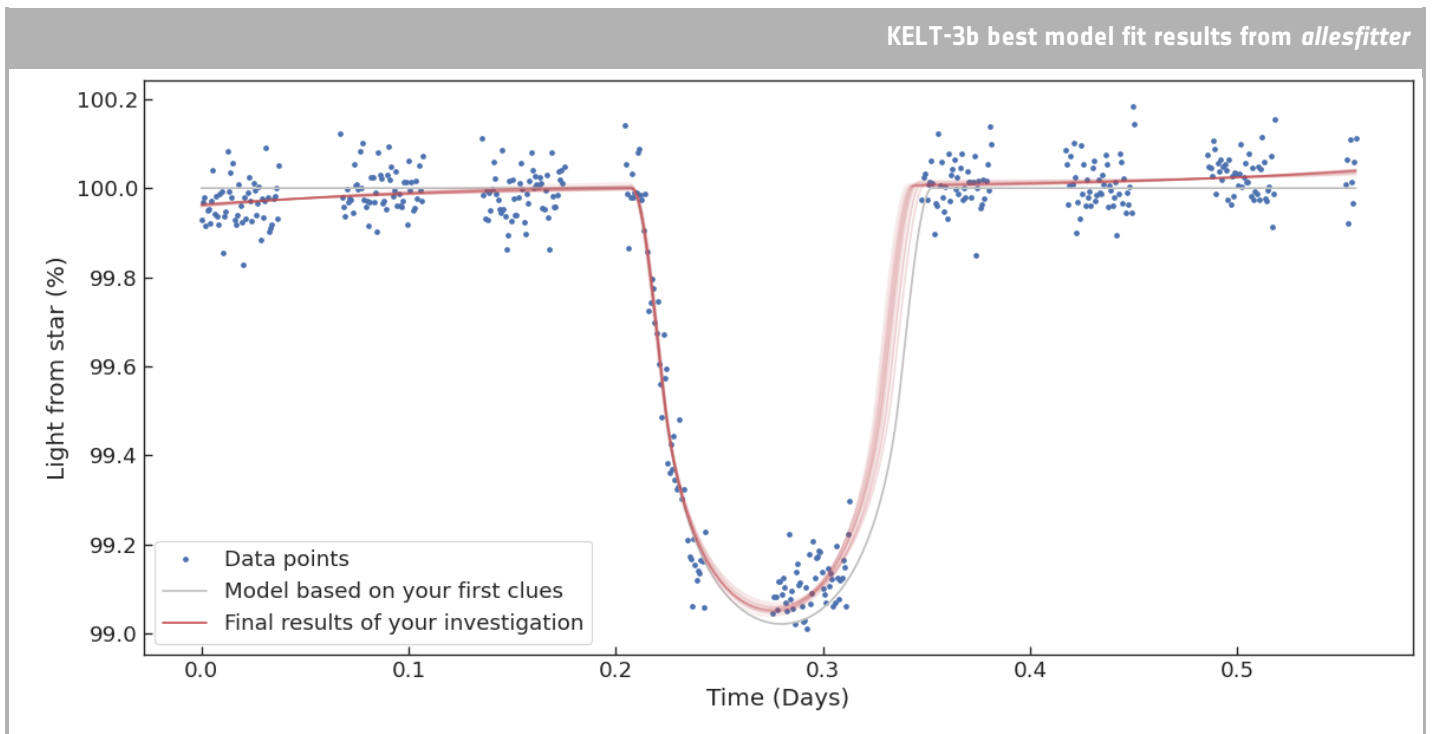
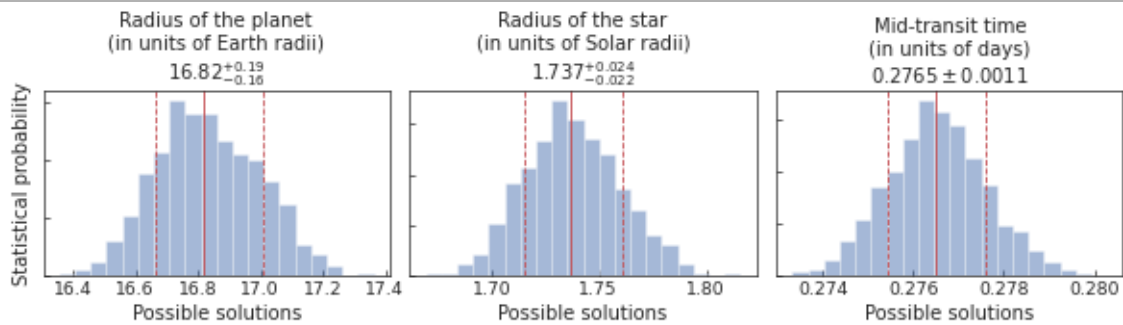


→ Transit light curve of the exoplanet KELT-3b



↑ [Transit light curve best fit model.](#)



- The histograms show the probability of each parameter having a certain value.
- The central, solid line shows the median value of each parameter.
- The dashed lines to the left and right of it indicate the lower and upper bounds, respectively.
- These are called the 1-sigma uncertainties. That means, statistically we can be 68% sure that the true value lies within them.
- Note that this means it is possible that the true value of a parameters lies outside of these bounds; they are only statistical uncertainties, not definite limits.

↑ [Histogram of the statistical probability of all parameter values of KELT-3b](#)

Name	Median value	Lower error	Upper error	Case note
Radius of the planet (in units of Earth radii)	16.82	0.16	0.19	Cheops observations
Radius of the star (in units of Solar radii)	1.737	0.022	0.024	Cheops observations
Mid-transit time (in units of days)	0.2765	0.0011	0.0011	Cheops observations
Orbital period (in units of days)	2.70339			Other observations from the archive

↑ [Table with the best fit model parameters.](#)