PHT Data Validation Report
TIC 122695048

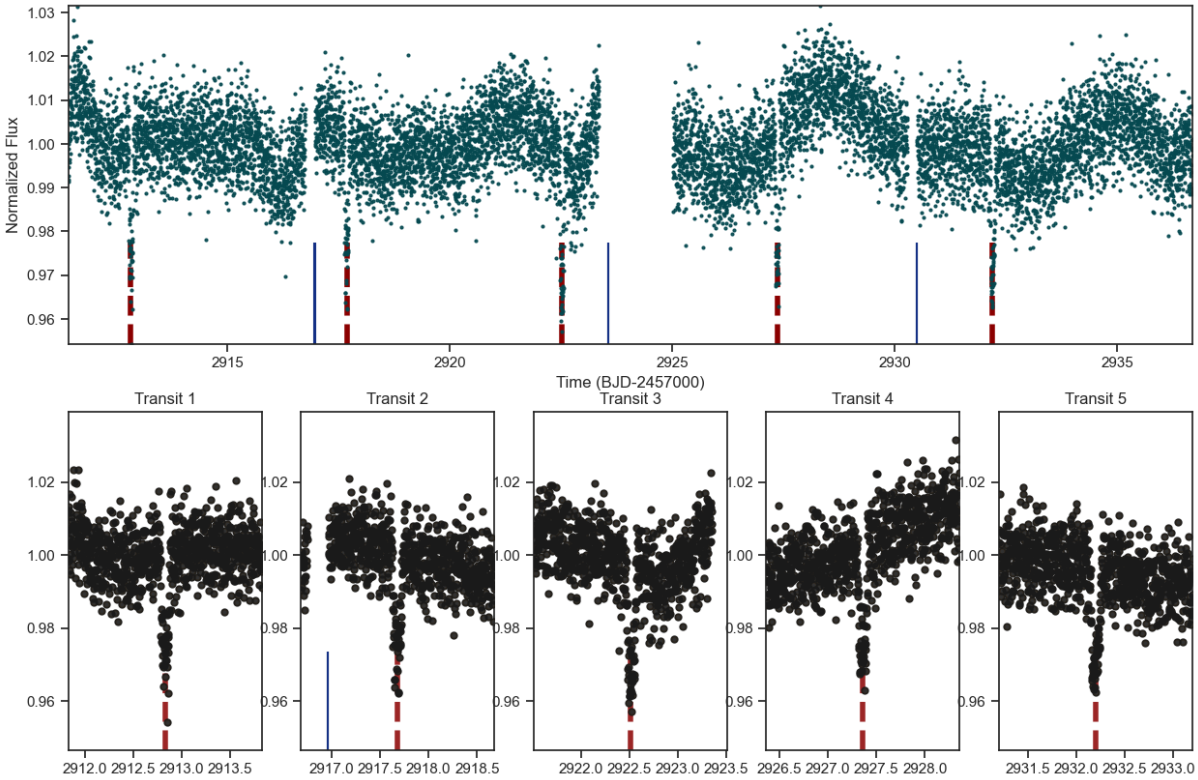

Fig 1. Full lightcurve for target TIC 122695048. The solid blue lines at the bottom of the figure indicated the times of the reaction wheel momentum dumps and the dashed black line(s) show the time(s) of the marked transit event(s). Momentum dumps occur around every 2 to 2.5 days and typically last around half an hour.

Parameter	Value	Unit
TIC ID	122695048	
Other name	nan	
RA/Dec	77.29835 38.22859	degrees
Radius	nan	Solar Radii
Mass	1	Solar Mass
Teff	nan	Kelvin
Parallax	nan	
T mag	nan	Mag
V mag	nan	Mag
Sectors (nominal)	19 *	
Sectors (extended)	59, 73, 86 *	
TCE	Yes **	
TOI	3726.01	

Table 1. Stellar properties of TIC 122695048. * List of the sectors in which the target will be, or has been, observed. ** Click here for the TCE report.

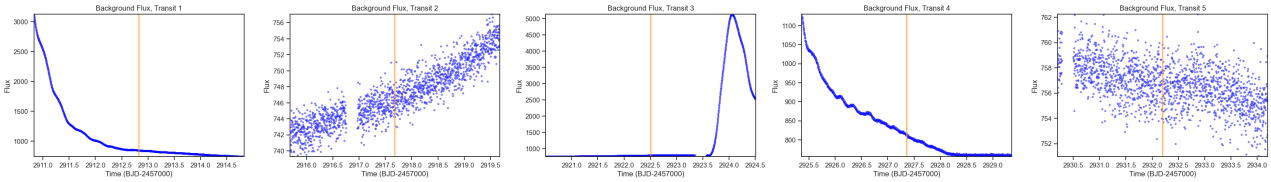

Fig 2. Background flux vs. time around the time of each transit-like event. The vertical orange line indicates the time of the transit-like event.

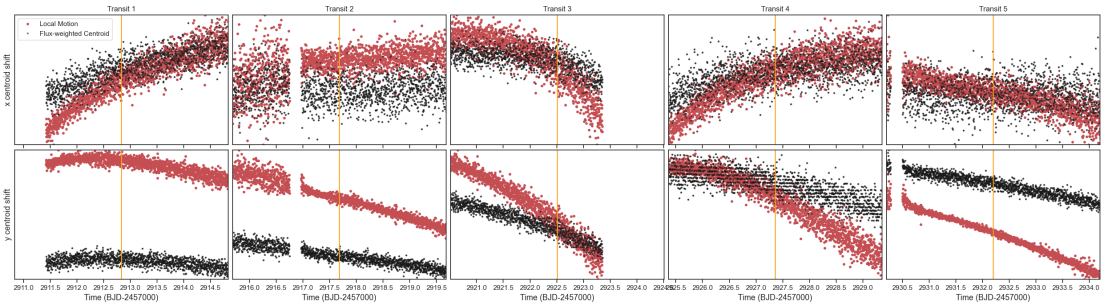

Fig 3. The x and y centroid positions around the time of each transit-like event. The black points shows the CCD column and row position of the target's flux-weighted centroid. The red shows the CCD column and row local motion differential velocity aberration (DVA), pointing drift, and thermal effects. The vertical orange line indicates the time of the transit-like event

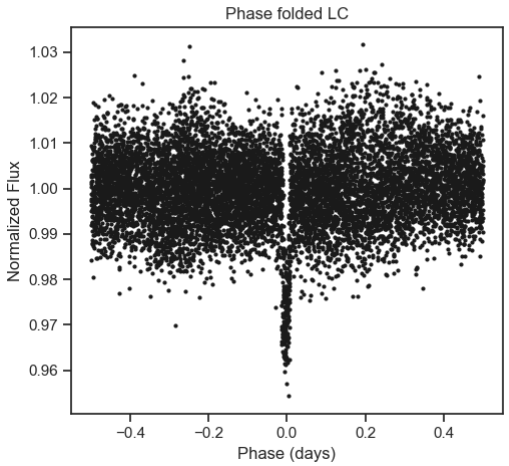

Fig 4. Phase folded lightcurve where the odd and the even transits are shown in different colours. Ensure that the odd and even transits have comparabel shapes and depths.

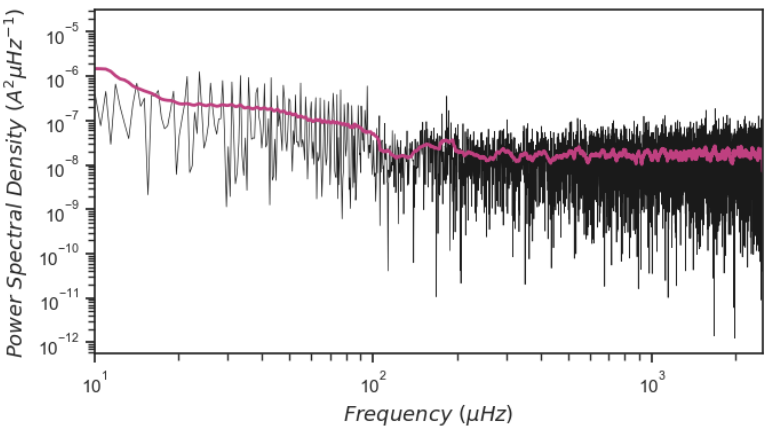

Fig 5. Lomb scargle power spectrum of the TESS lightcurve (black line) and a boxcar-smoothed periogram (pink line) computed with a window length of 20 micro Hz.

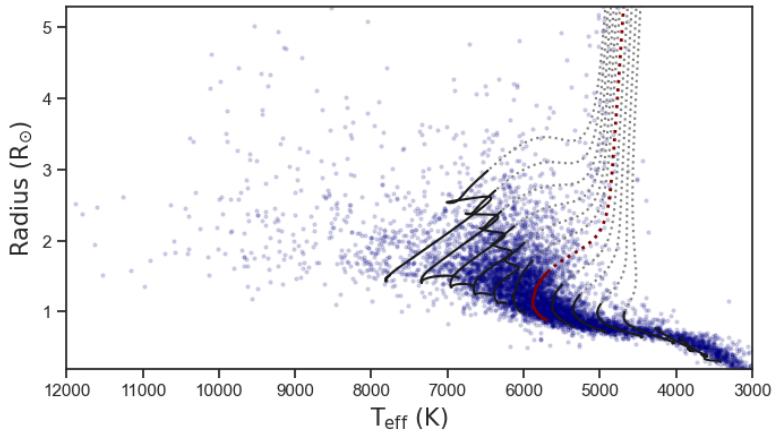

Fig 6. The equivalent evolutionary phase (eep) tracks for main sequence evolution (solid lines) and post main-sequence evolution (dashed lines) for masses ranging from 0.3 to 1.6 solar masses (from right to left). The 1 Solar Mass track is shown in maroon. The blue points show the TOIs and the magenta point TIC 122695048.