

TIC 25155310 DATA VALIDATION REPORT

This document is created by the WATSON report generator (<https://github.com/PlanetHunters/watson>) and focuses on the target star TIC 25155310.

RA (deg)	Dec (deg)	V (mag)	J (mag)	H (mag)	K (mag)
4:13:29.75	-69:13:36.56	-	-	-	-

Table 1: The proposed target parameters.

T0 (d)	Period (d)	Duration (h)	Depth (ppt)
1327.51	3.2899	3.32	6.082

Table 2: The candidate parameters.

TIC 25155310 Transits depth analysis T0=1327.51 P=3.29d

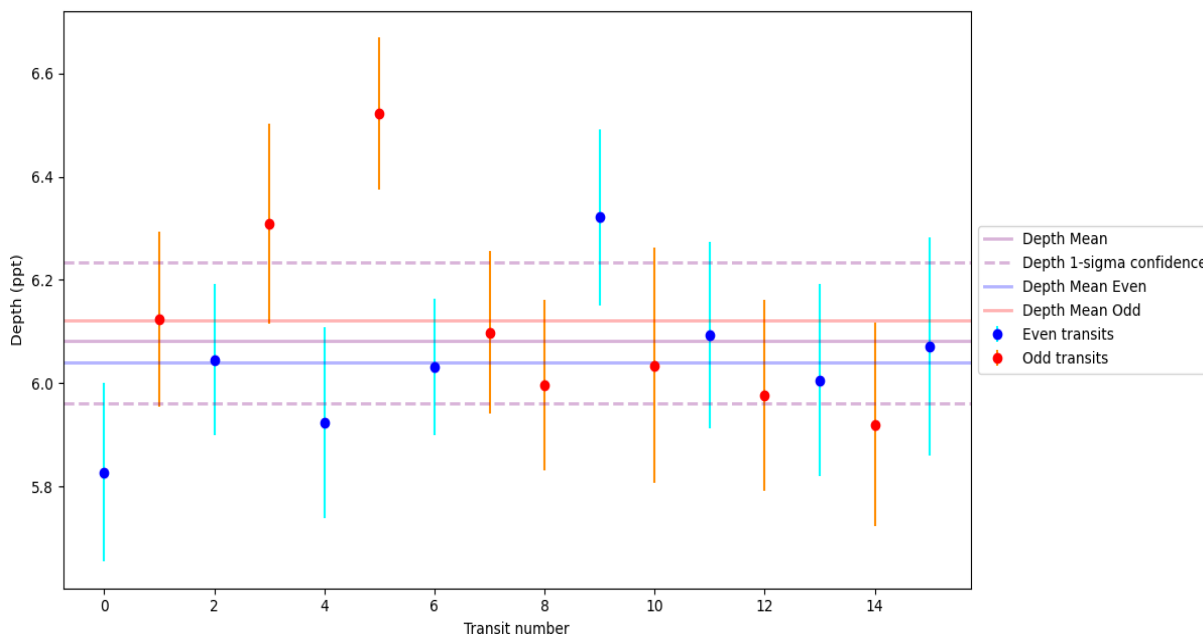


Figure 1: The candidate single-transits depths plot.

WATSON Data Validation Report: TIC 25155310

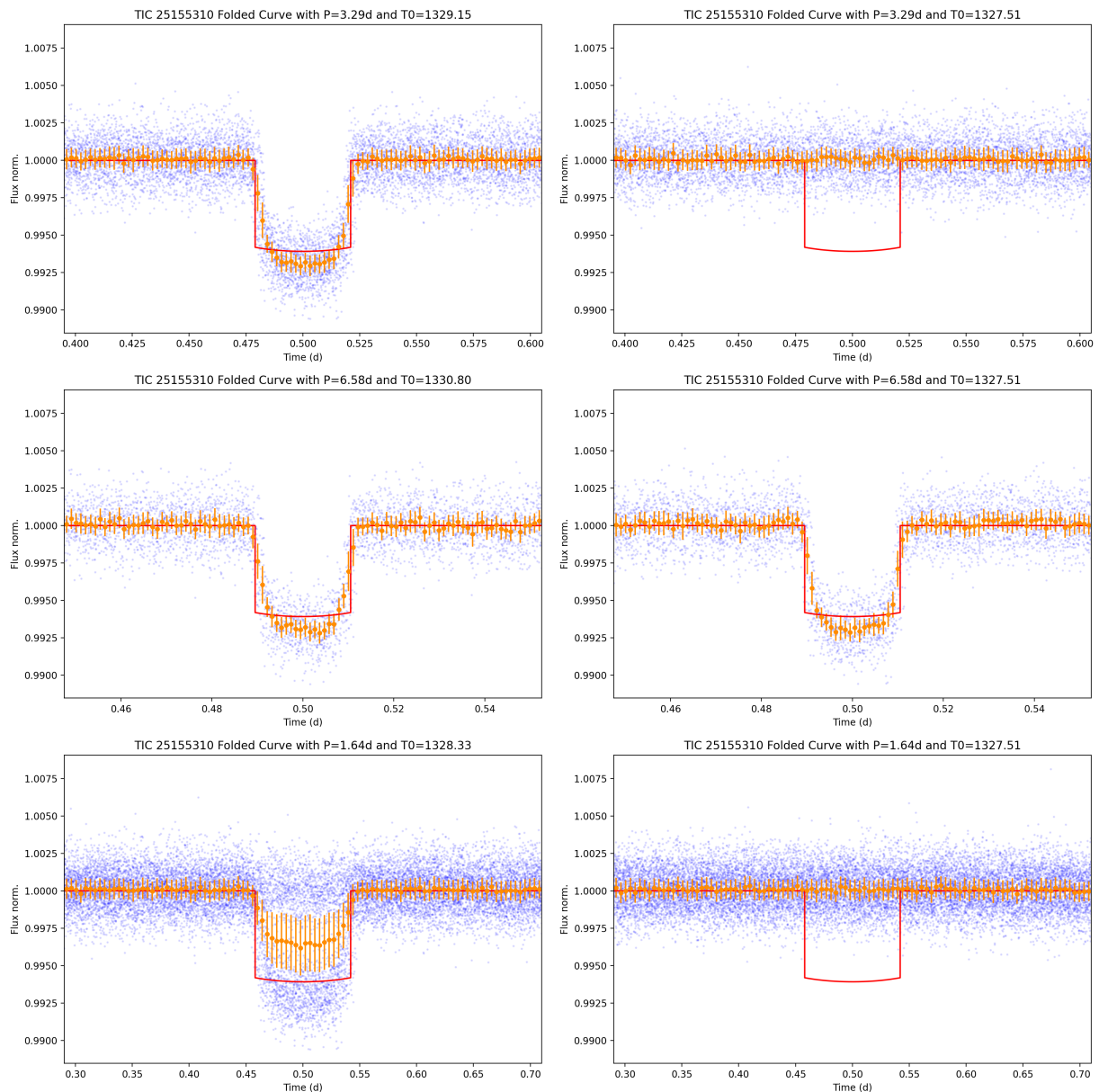
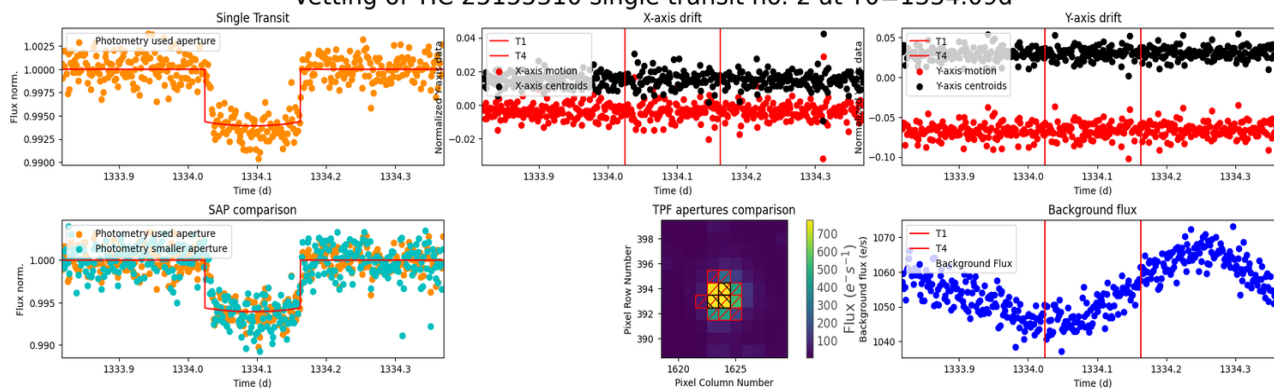


Figure 2: The candidate folded curve at T_0 and its opposite for the selected period and its first harmonic and subharmonic.

The next pages will contain each of the single-transits vetting sheets with the next information:

1. **TOP-LEFT:** Plot with single transit photometry found in the analyzed curve (with momentum dumps, if any).
2. **TOP-CENTER:** Plot with X-axis data drift (X-axis motion vs X-axis centroid offset) around the transit times.
3. **TOP-RIGHT:** Plot with Y-axis data drift (Y-axis motion vs Y-axis centroid offset) around the transit times.
4. **CENTER-LEFT:** Plot with SAP for used aperture vs SAP for smaller aperture around the transit times.
5. **CENTER-CENTER:** Plot with smaller aperture over used aperture on the target.
6. **CENTER-RIGHT:** Plot with single transit photometry found in the analyzed curve around the transit times.
7. **BOTTOM:** Plot TPF flux measurements for each pixel around the transit times.

Vetting of TIC 25155310 single transit no. 2 at T0=1334.09d



Target ID: 25155310, 1333.82 - 1334.37 [BTJD days]

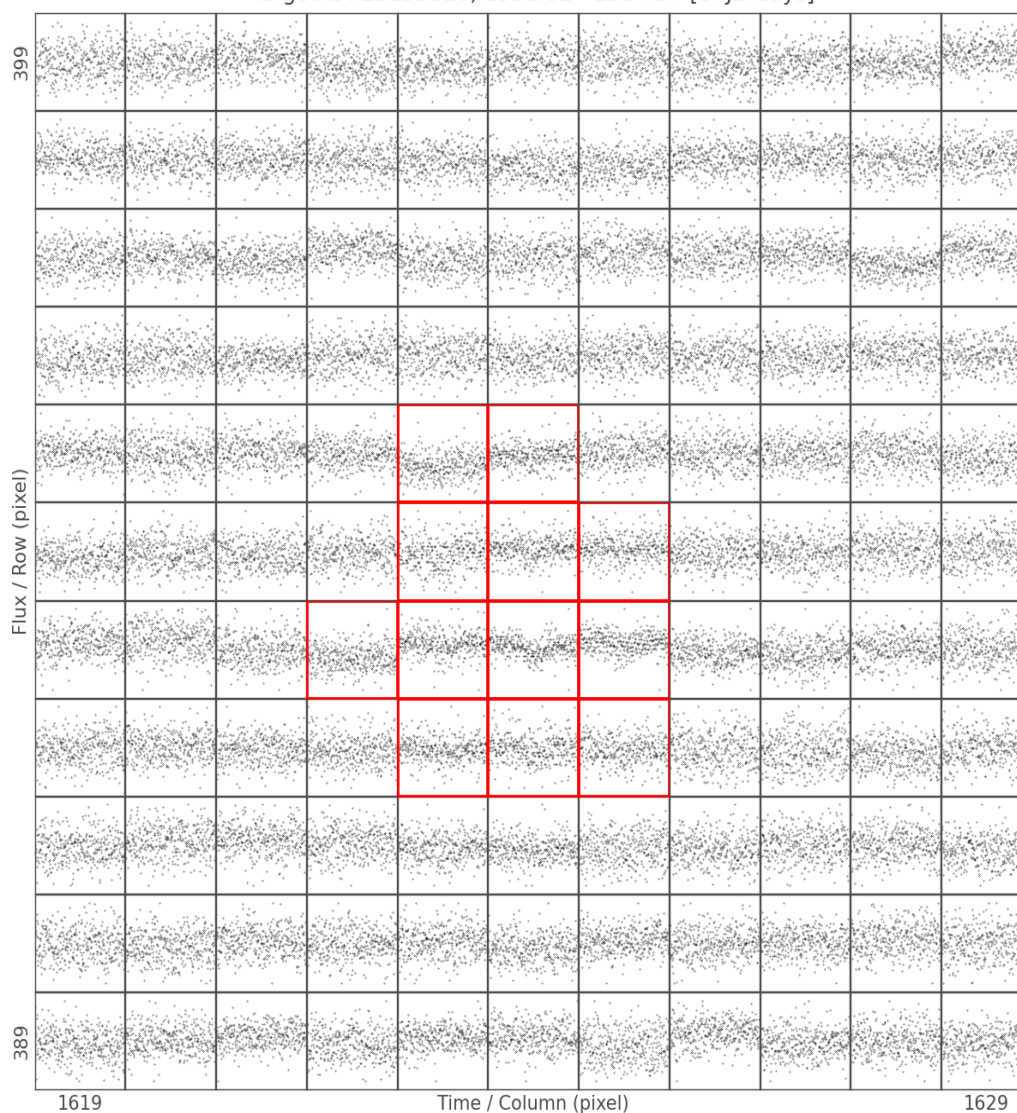
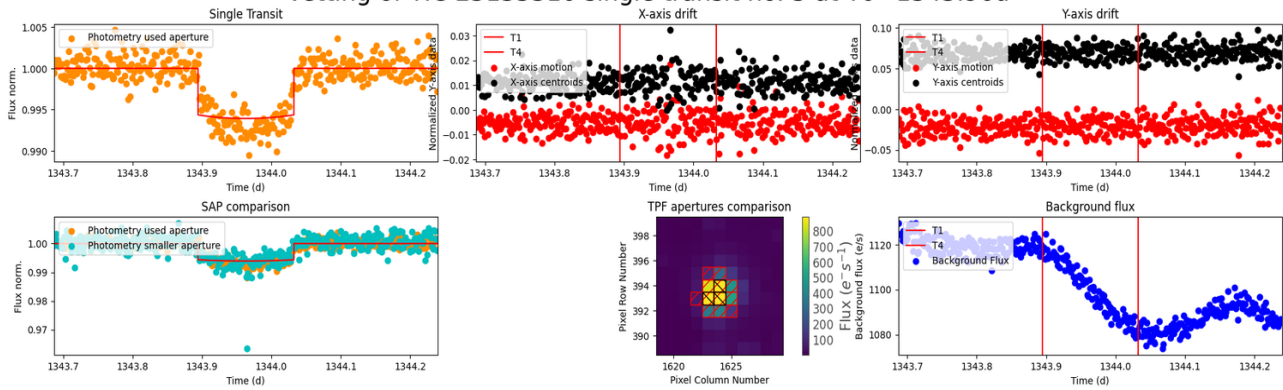


Figure 3: The single transit no. 2 vetting plots

Vetting of TIC 25155310 single transit no. 5 at T0=1343.96d



Target ID: 25155310, 1343.69 - 1344.24 [BTJD days]

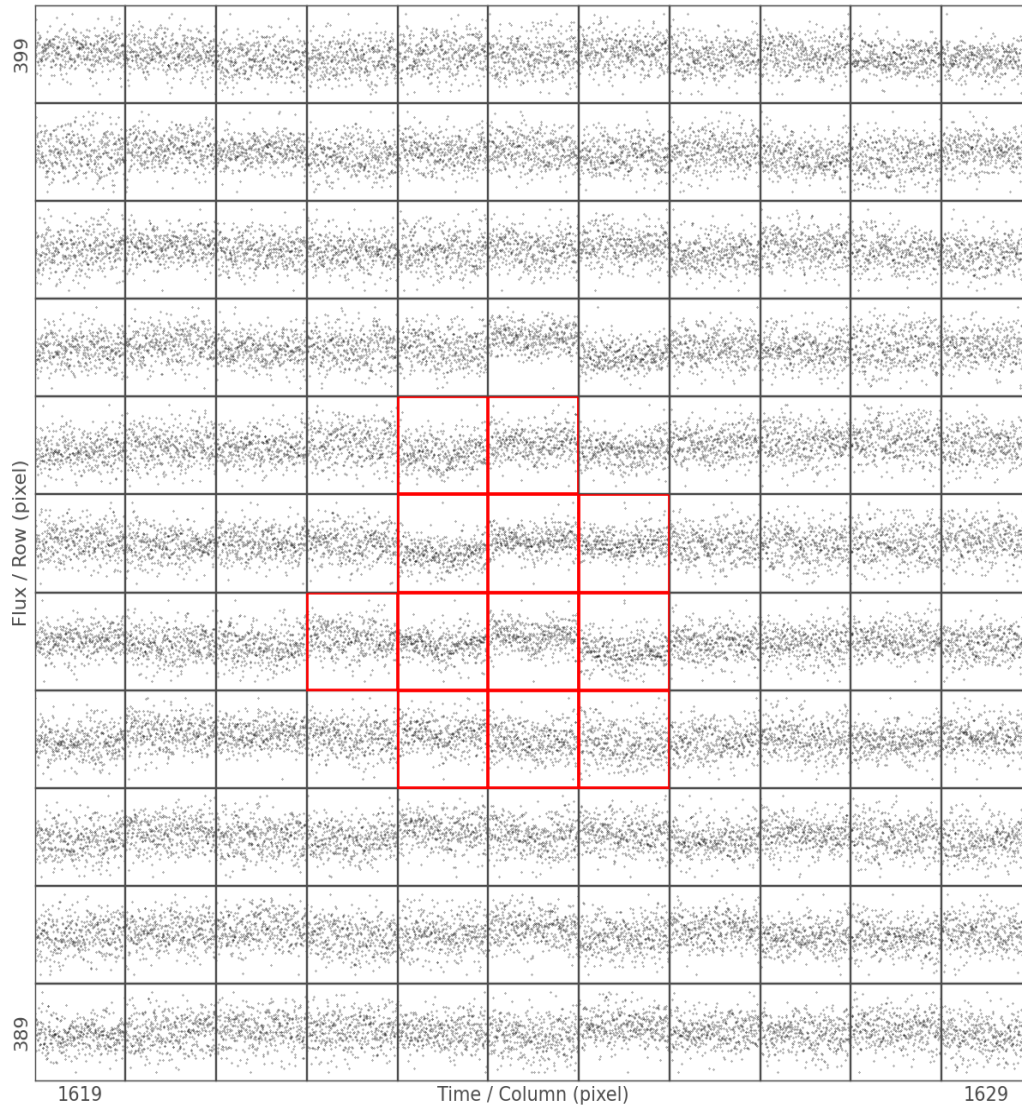
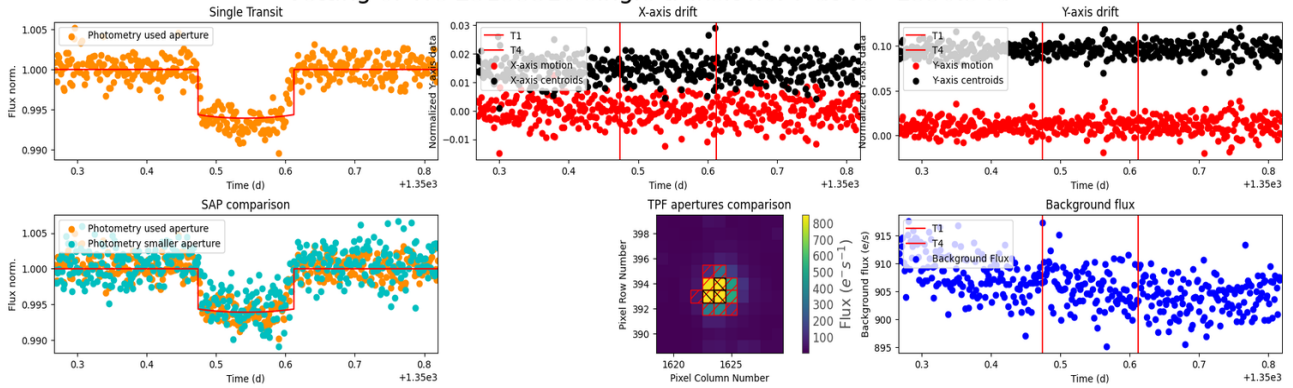


Figure 4: The single transit no. 5 vetting plots

Vetting of TIC 25155310 single transit no. 7 at T0=1350.54d



Target ID: 25155310, 1350.27 - 1350.82 [BTJD days]

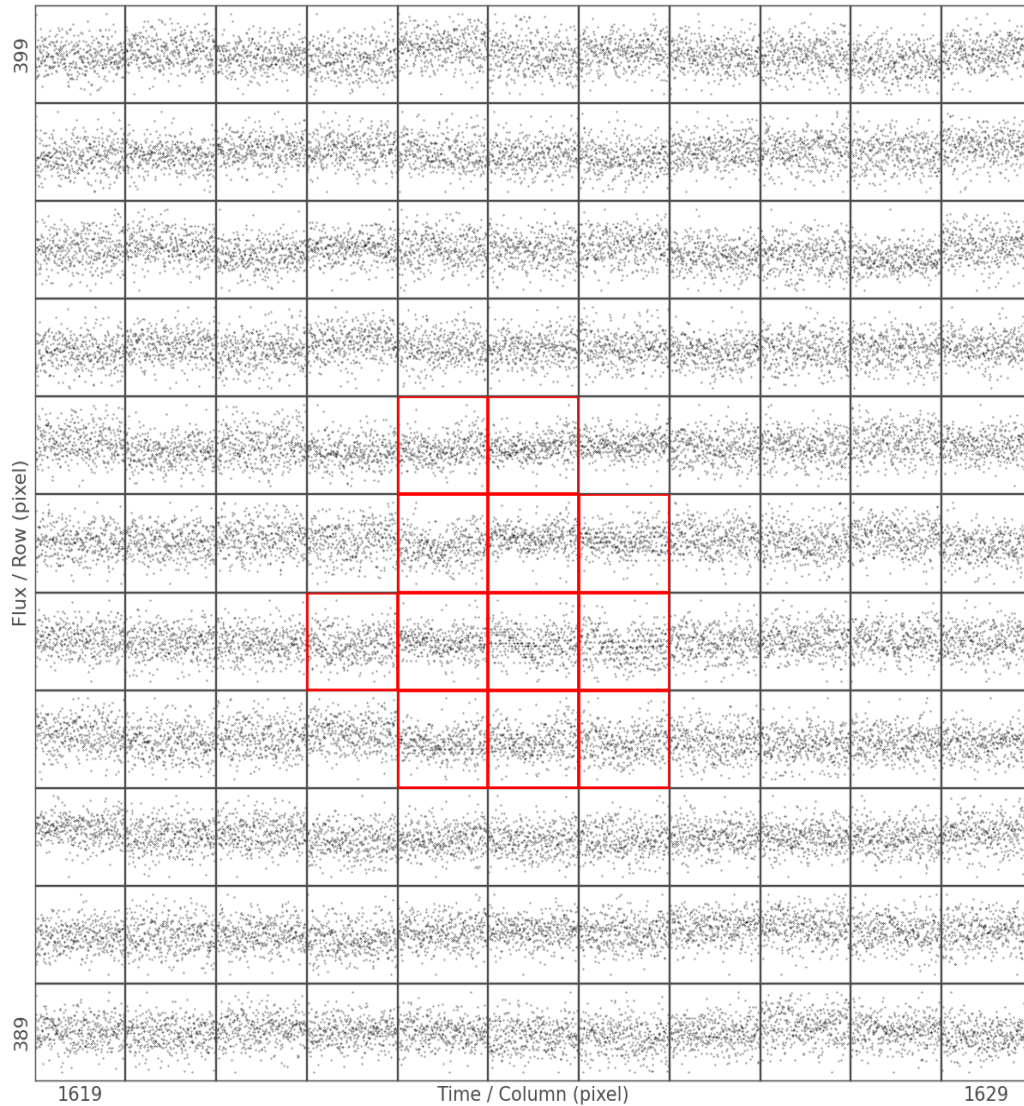


Figure 5: The single transit no. 7 vetting plots