

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

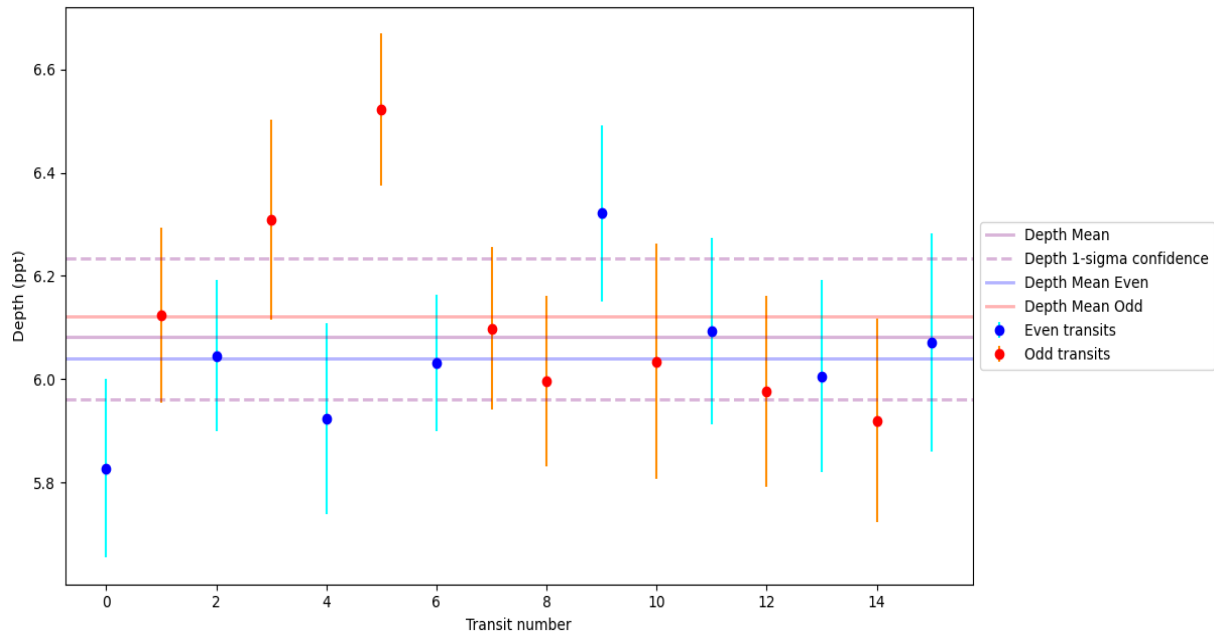


Figure 1: The candidate single-transits depths plot.

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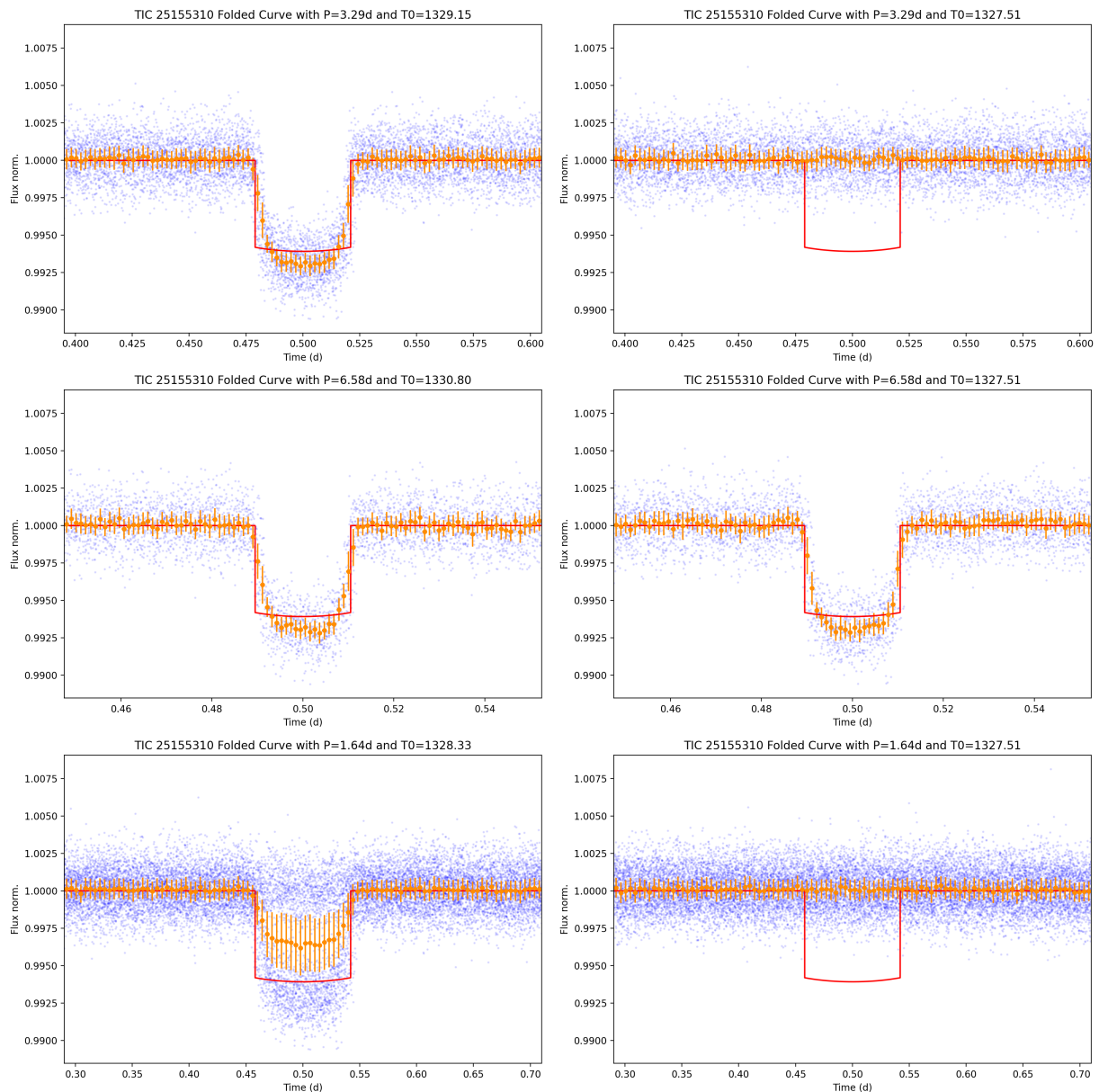
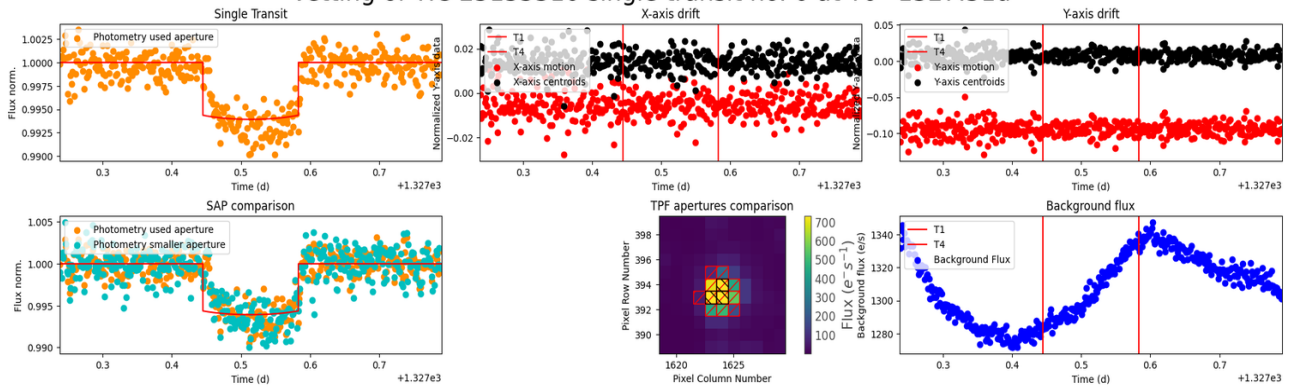


Figure 2: The candidate folded curve at T_0 and its opposite for the selected period and its first harmonic and subharmonic.

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. 0 at T0=1327.51d



Target ID: 25155310, 1327.24 - 1327.79 [BTJD days]

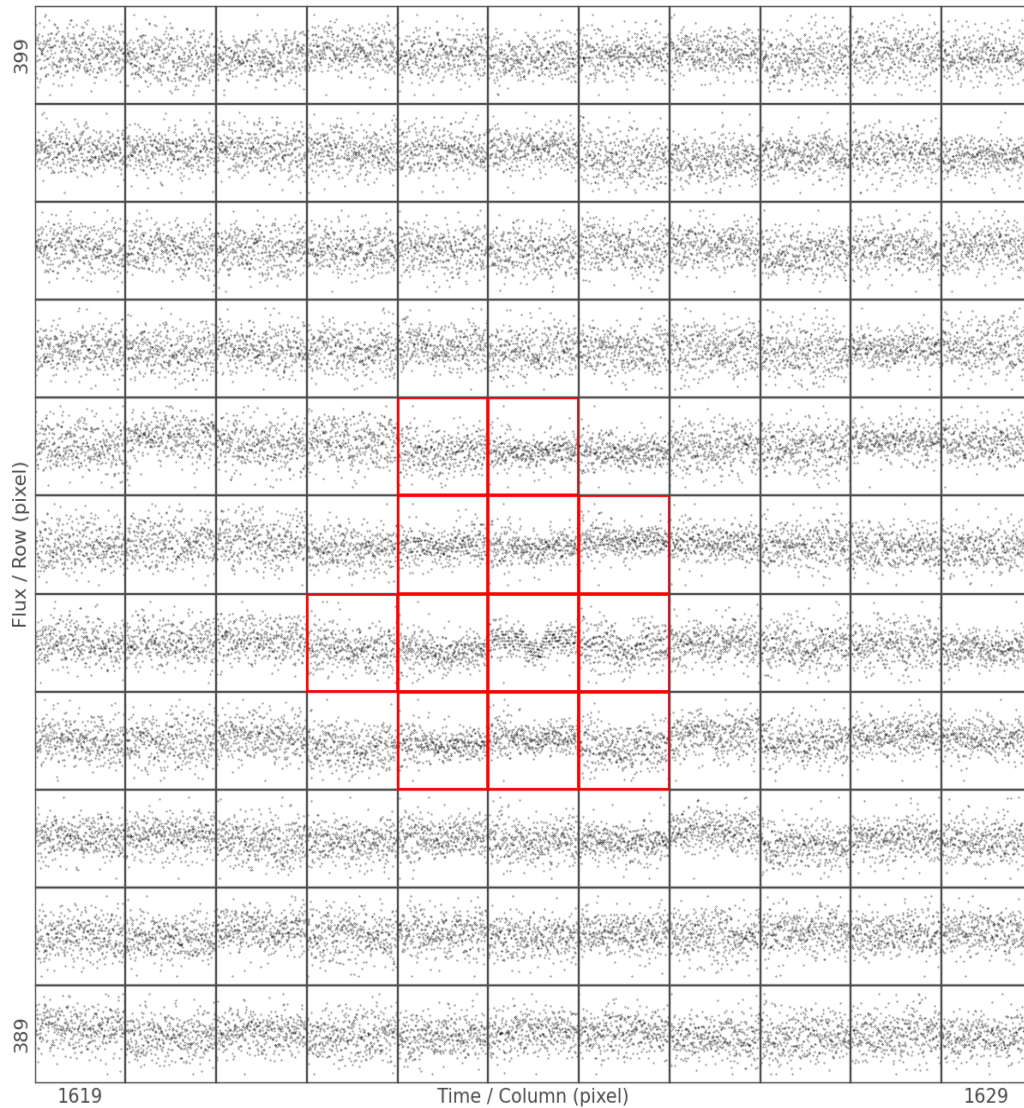
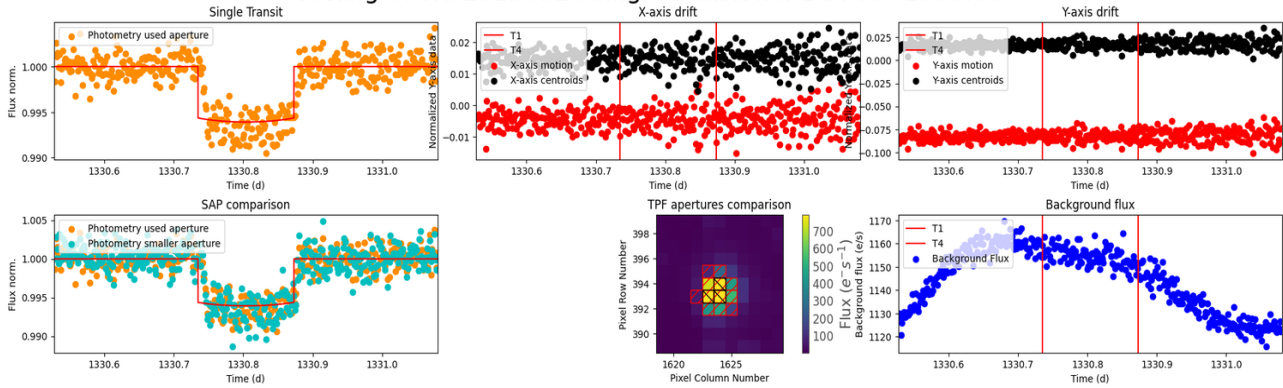


Figure 3: The single transit no. 0 vetting plots

Vetting of TIC 25155310 single transit no. 1 at T0=1330.8d



Target ID: 25155310, 1330.53 - 1331.08 [BTJD days]

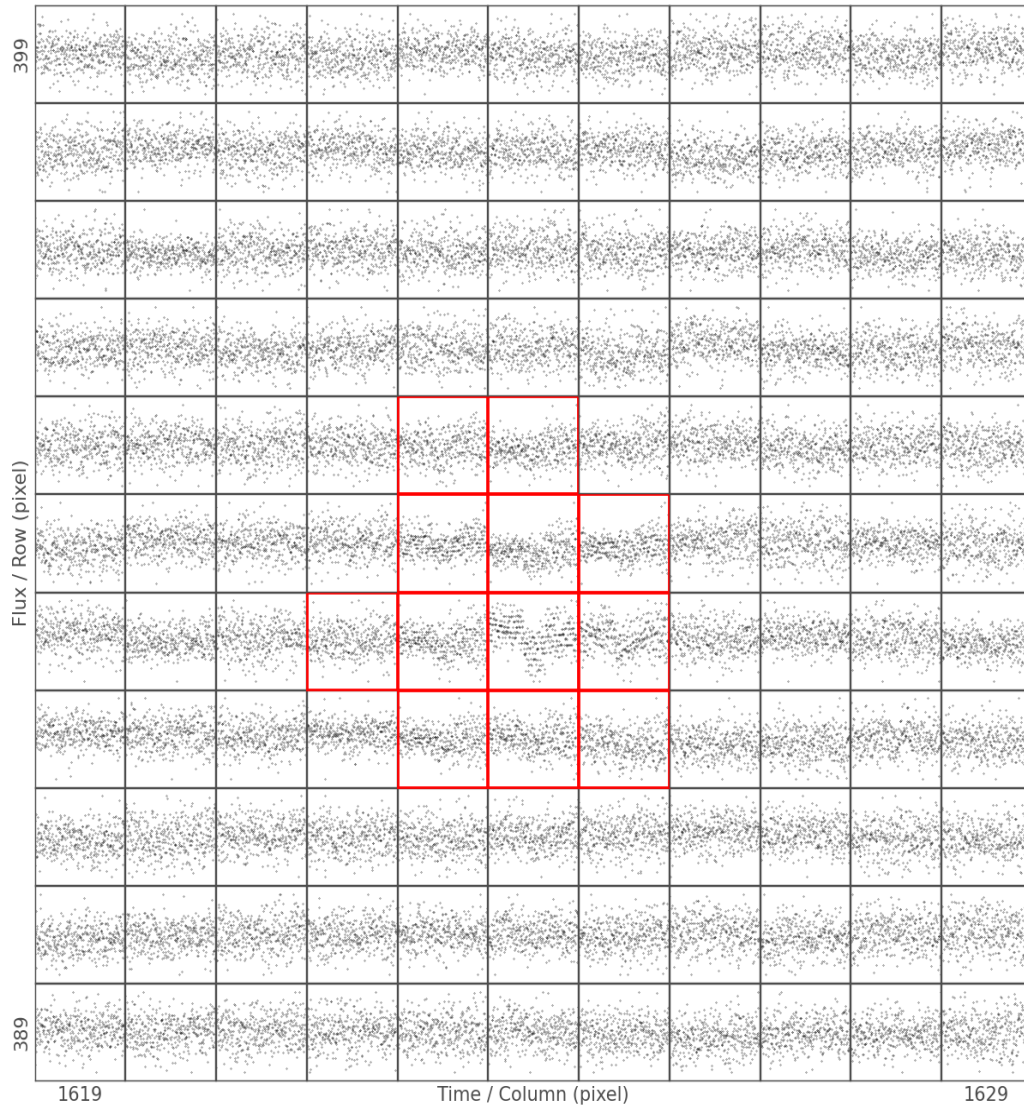
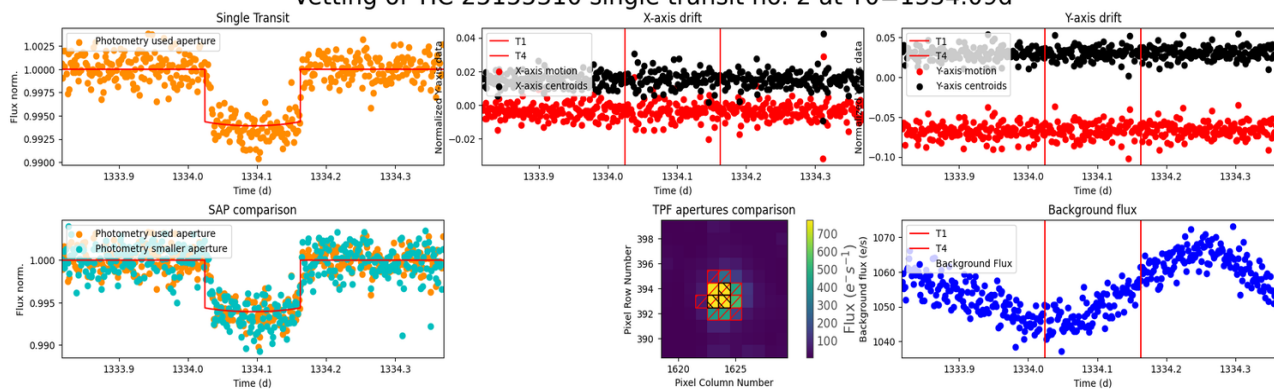


Figure 4: The single transit no. 1 vetting plots

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



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

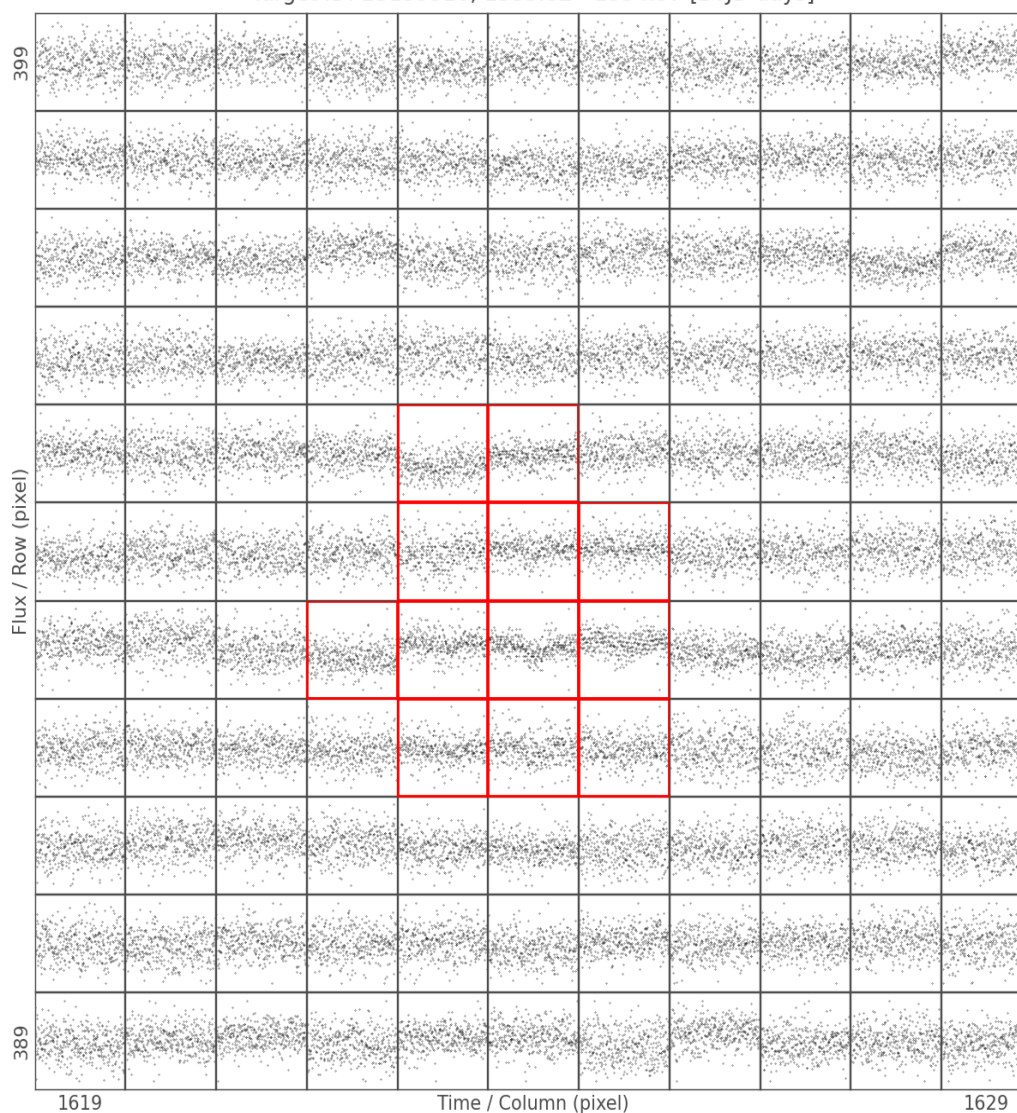
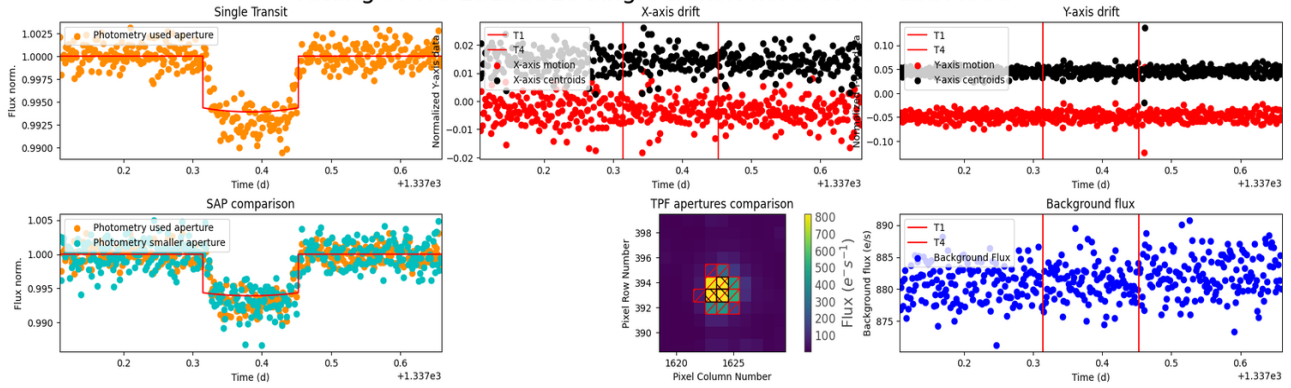


Figure 5: The single transit no. 2 vetting plots

Vetting of TIC 25155310 single transit no. 3 at T0=1337.38d



Target ID: 25155310, 1337.11 - 1337.66 [BTJD days]

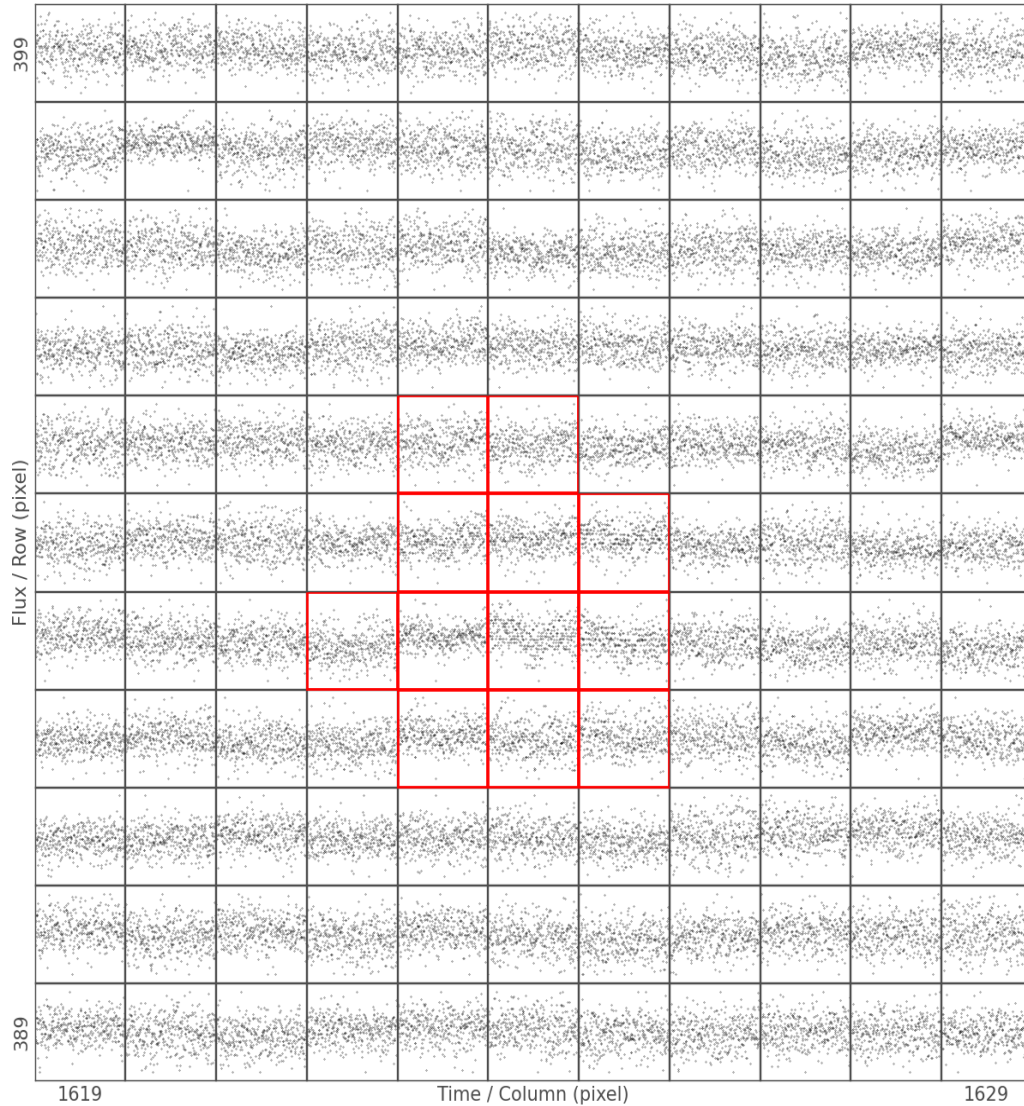
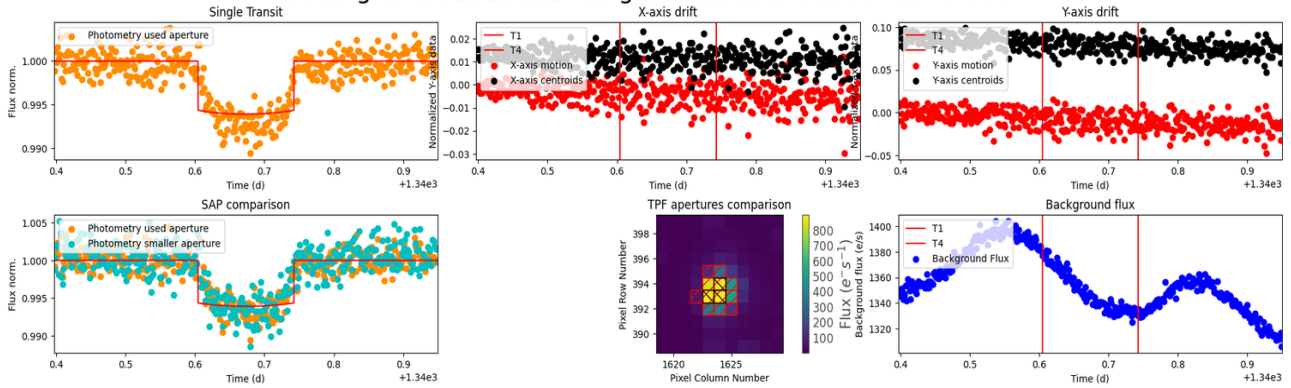


Figure 6: The single transit no. 3 vetting plots

Vetting of TIC 25155310 single transit no. 4 at T0=1340.67d



Target ID: 25155310, 1340.40 - 1340.95 [BTJD days]

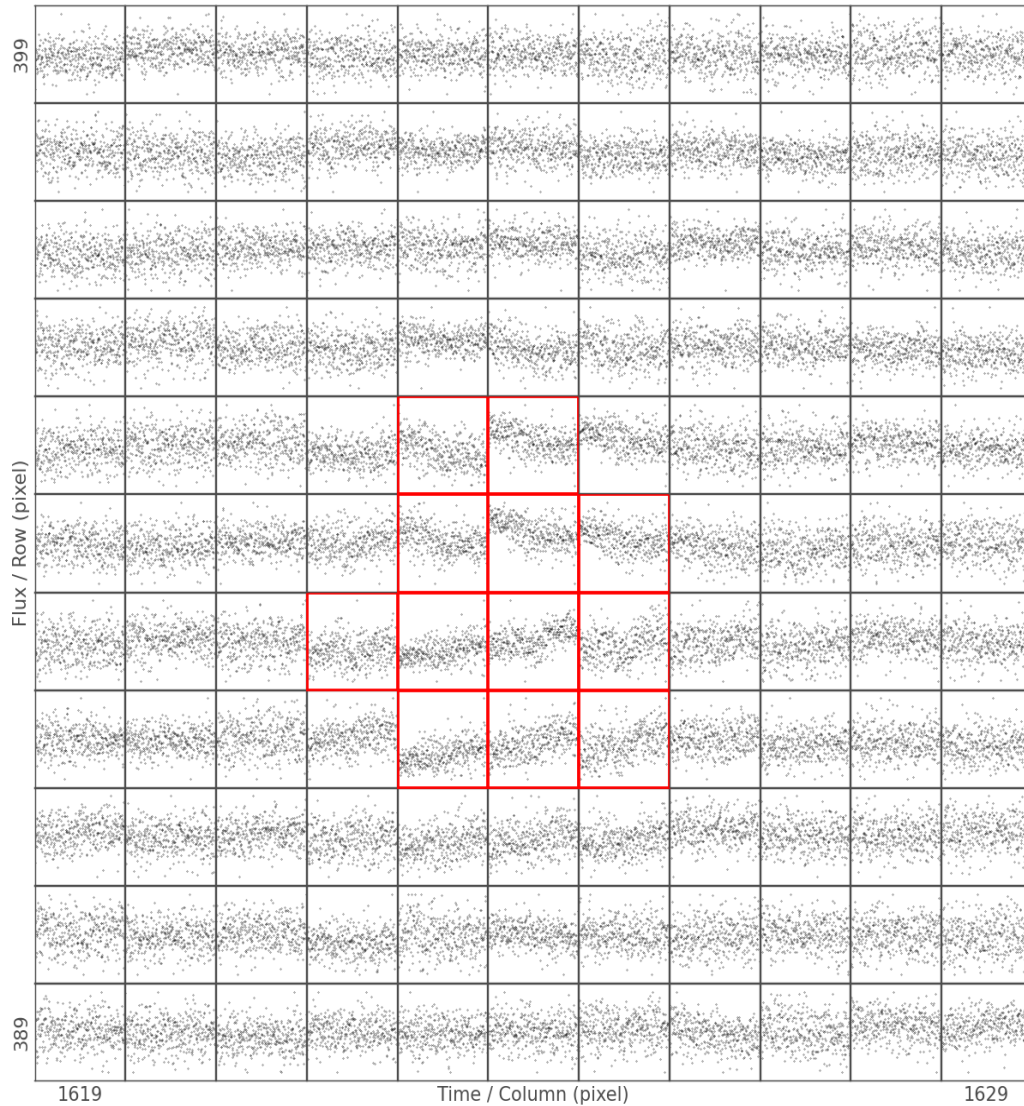
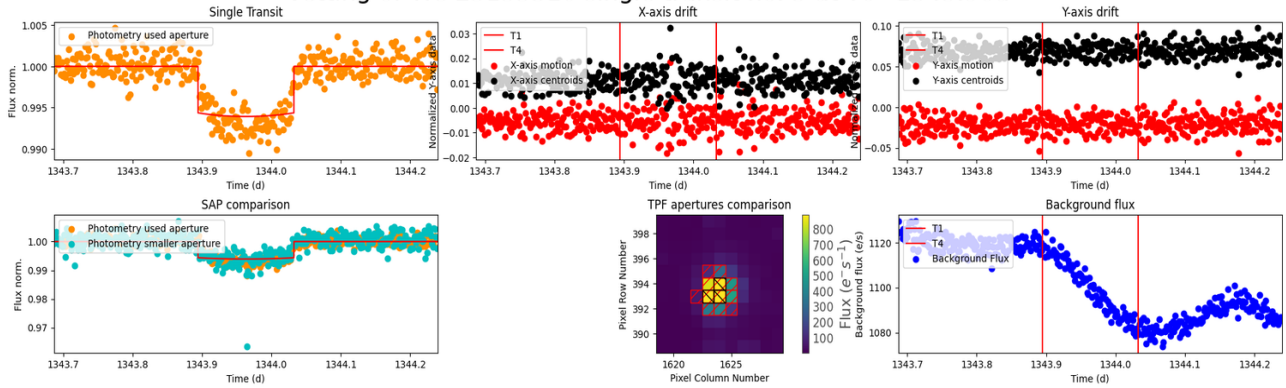


Figure 7: The single transit no. 4 vetting plots

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



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

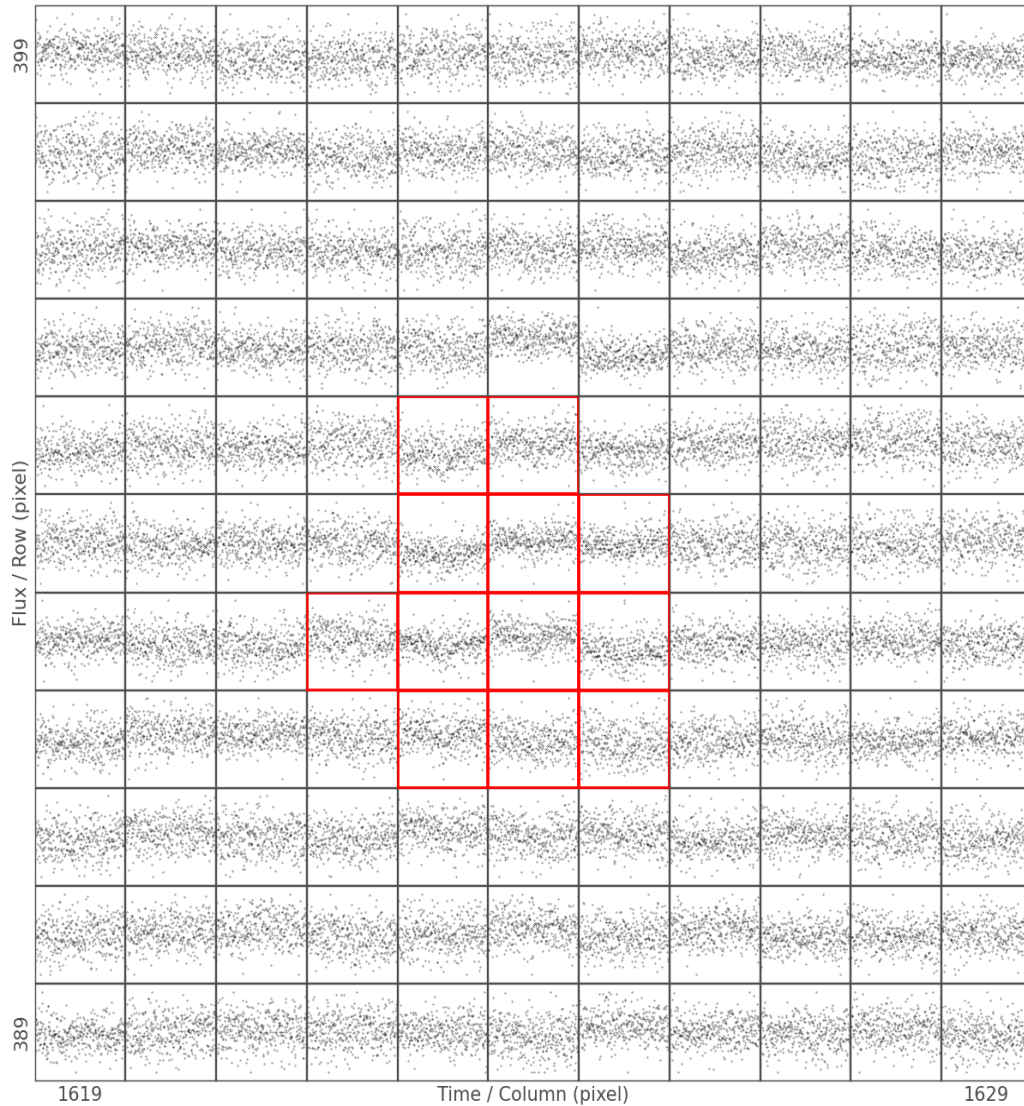
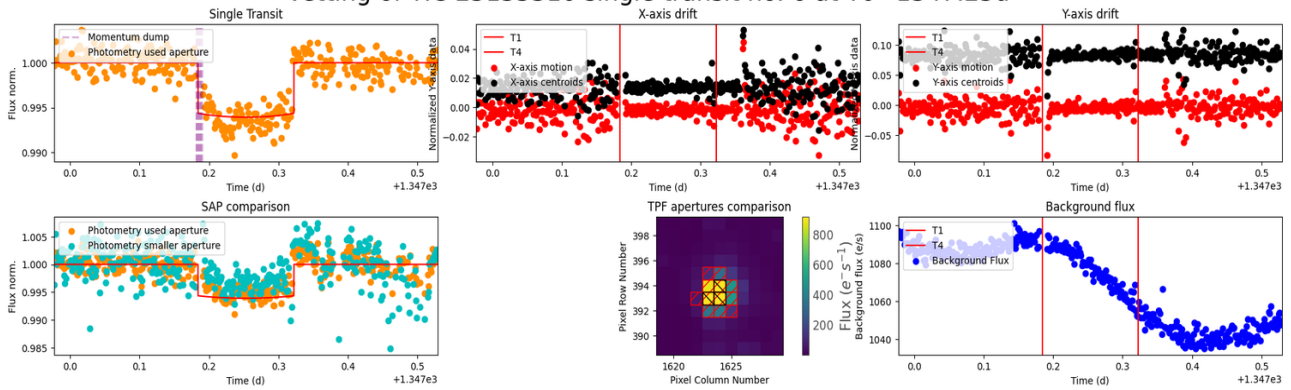


Figure 8: The single transit no. 5 vetting plots

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Vetting of TIC 25155310 single transit no. 6 at T0=1347.25d



Target ID: 25155310, 1346.98 - 1347.53 [BTJD days]

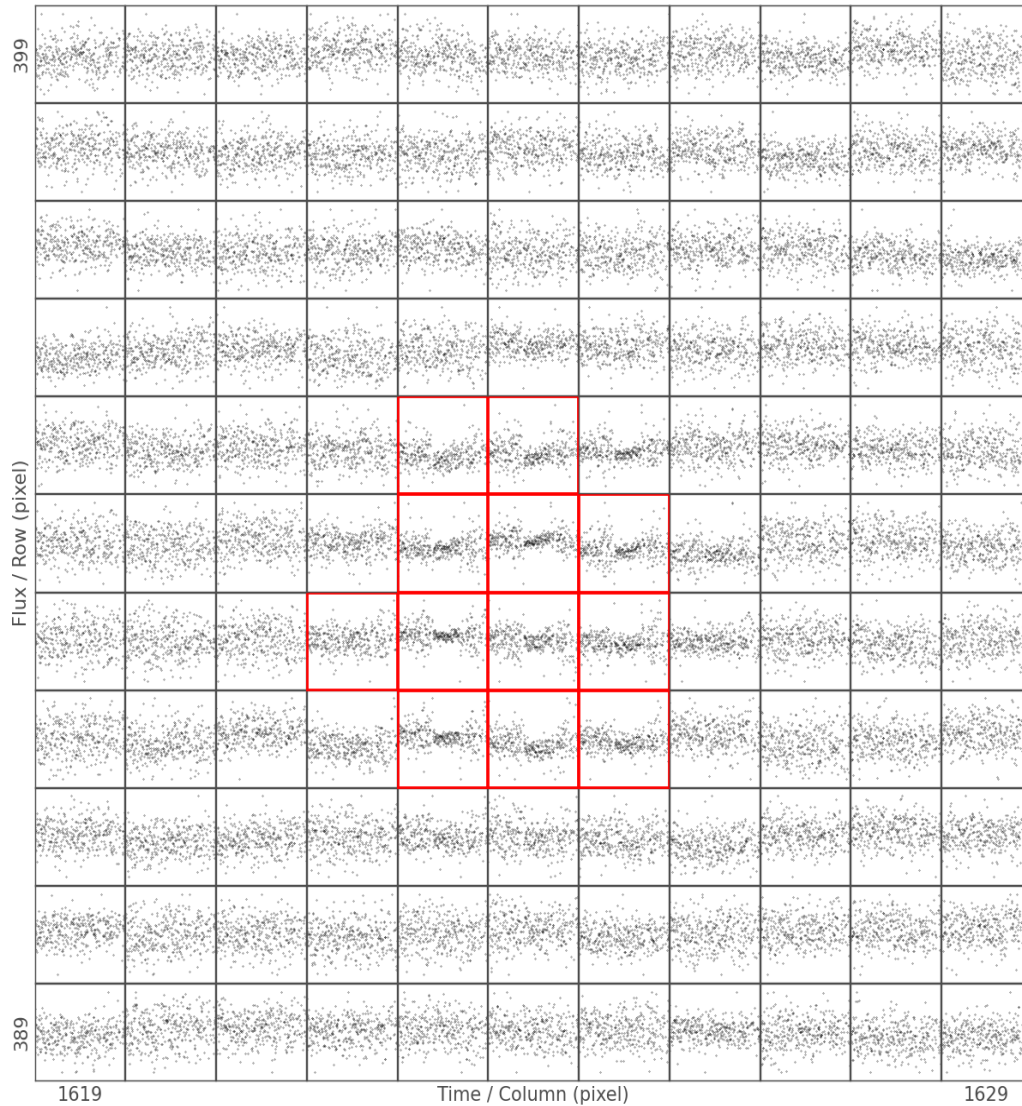
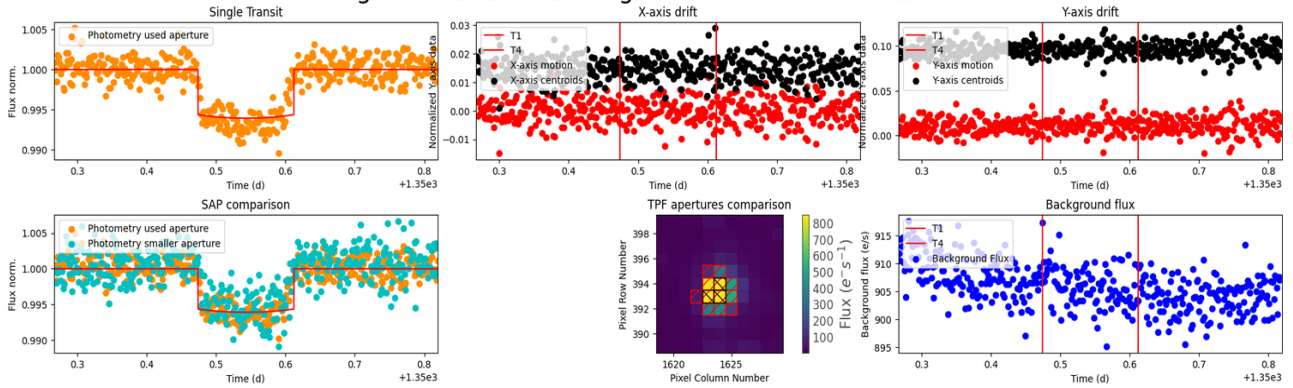


Figure 9: The single transit no. 6 vetting plots

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



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

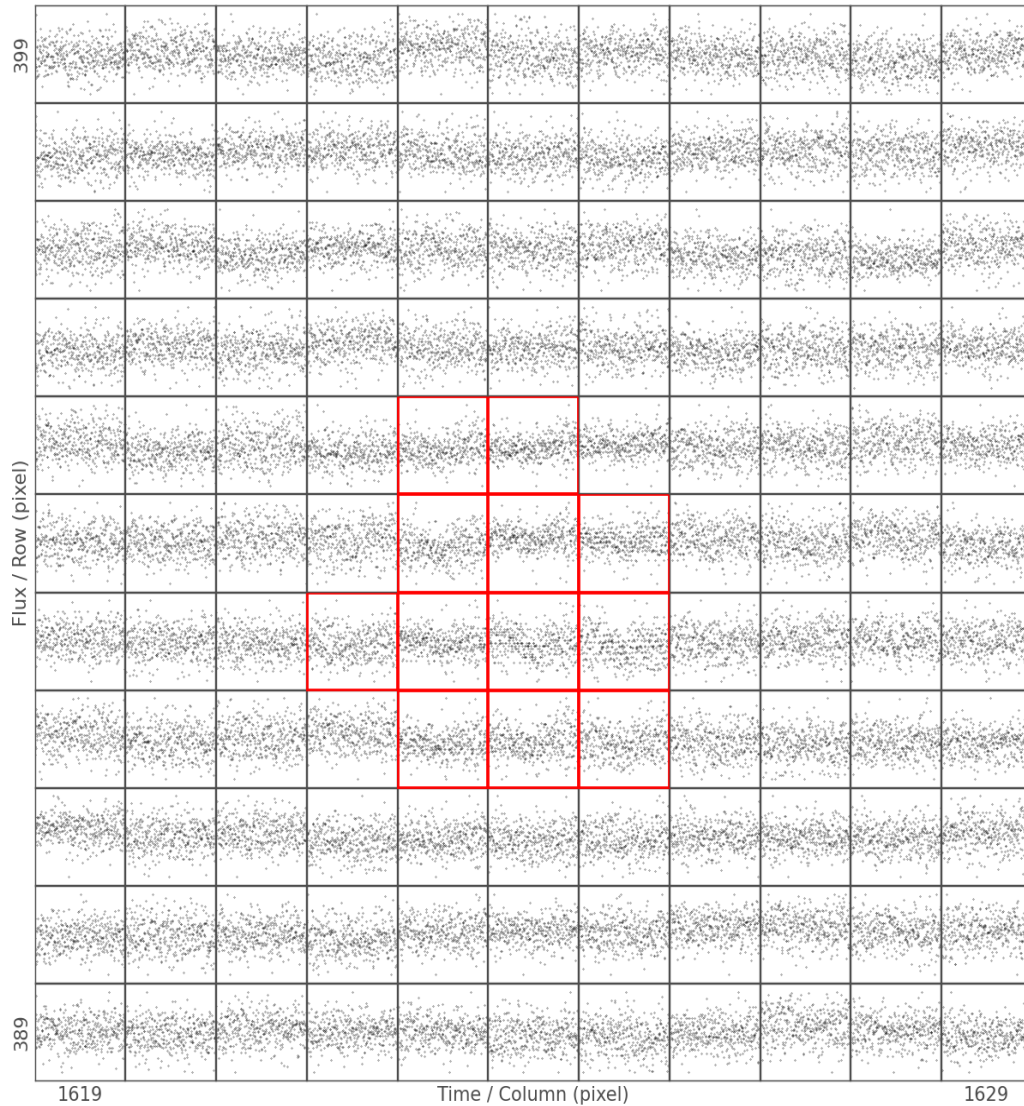
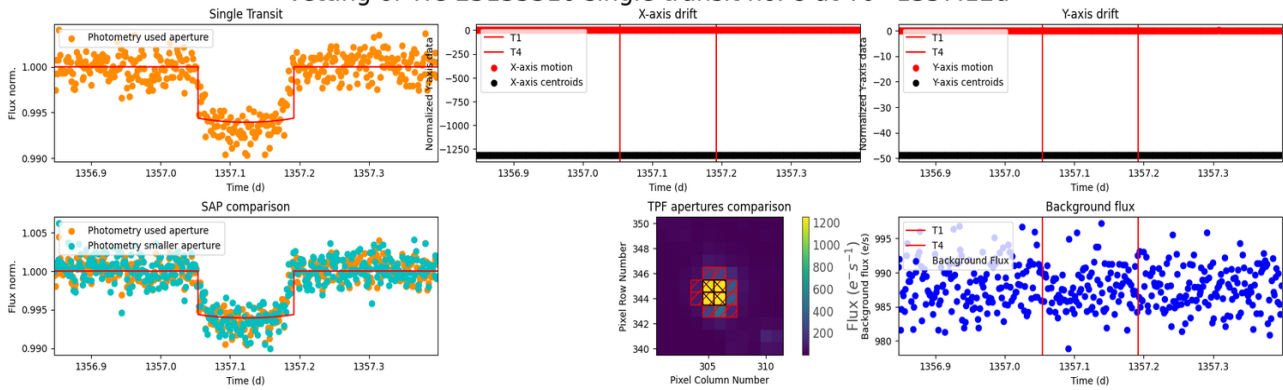


Figure 10: The single transit no. 7 vetting plots

Vetting of TIC 25155310 single transit no. 8 at T0=1357.12d



Target ID: 25155310, 1356.85 - 1357.40 [BTJD days]

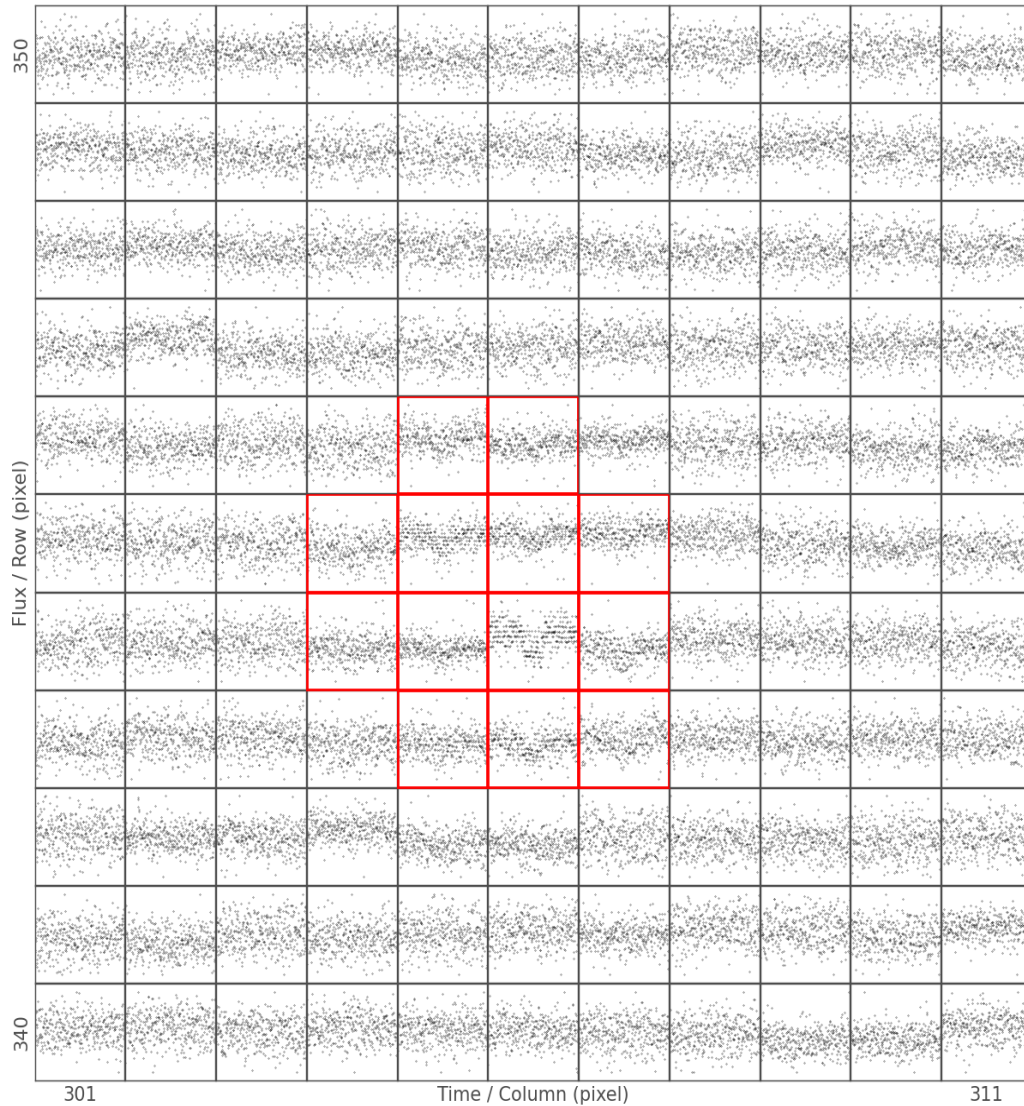
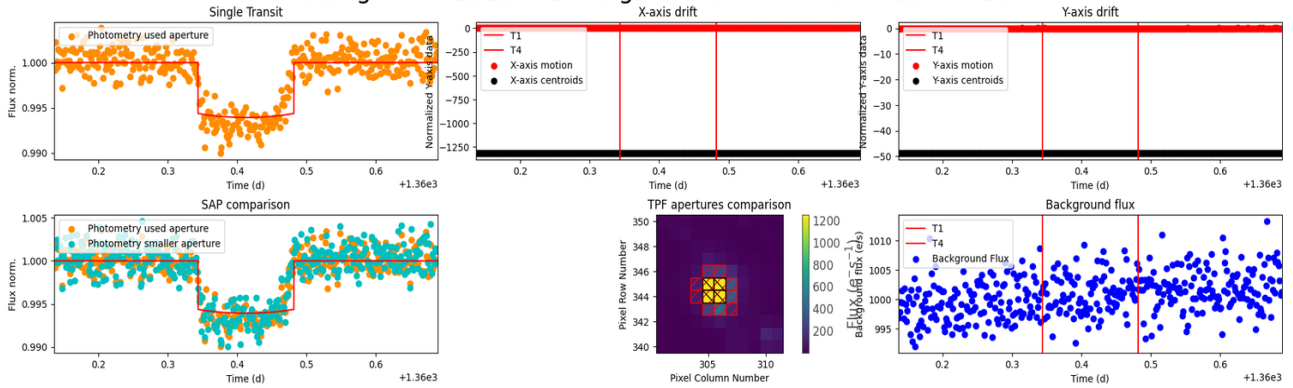


Figure 11: The single transit no. 8 vetting plots

Vetting of TIC 25155310 single transit no. 9 at T0=1360.41d



Target ID: 25155310, 1360.14 - 1360.69 [BTJD days]

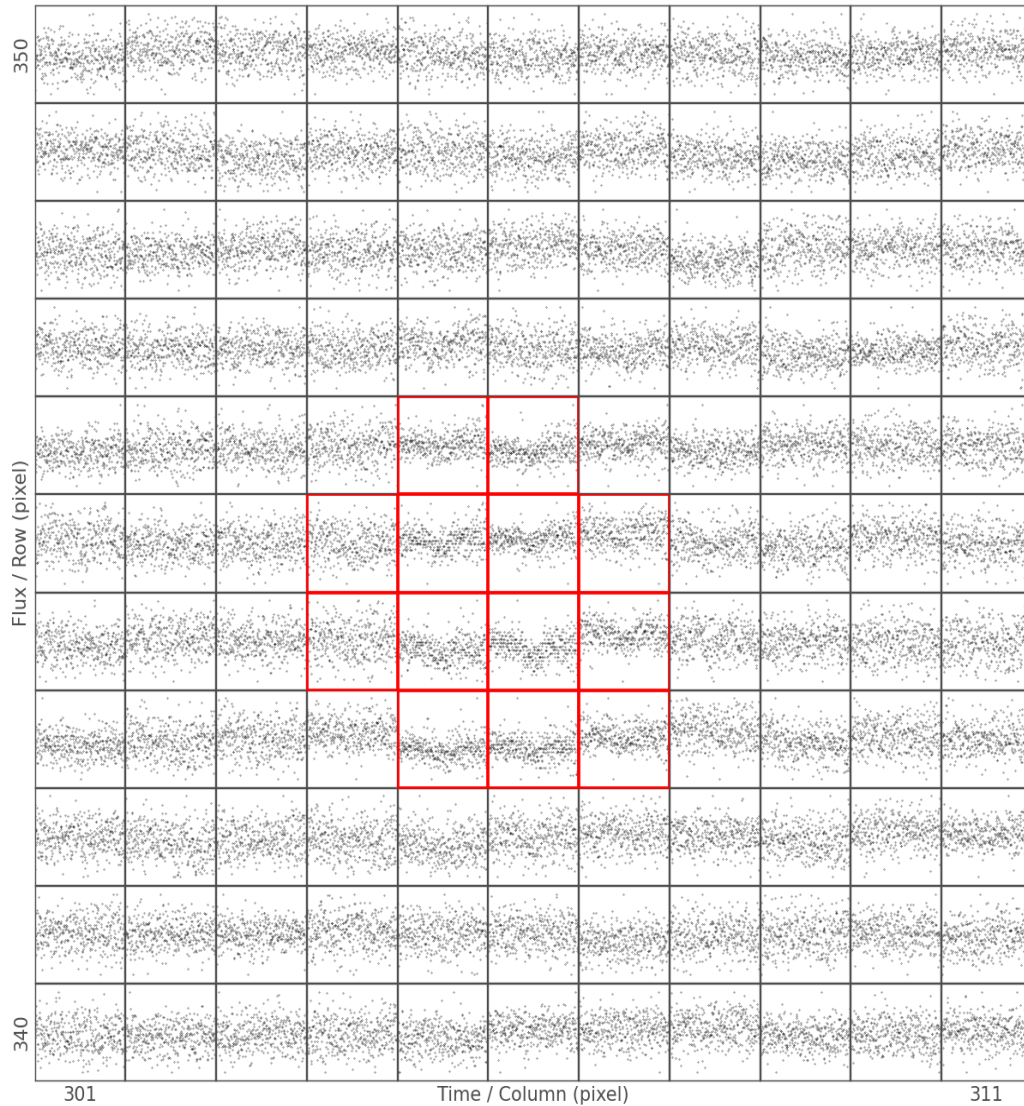
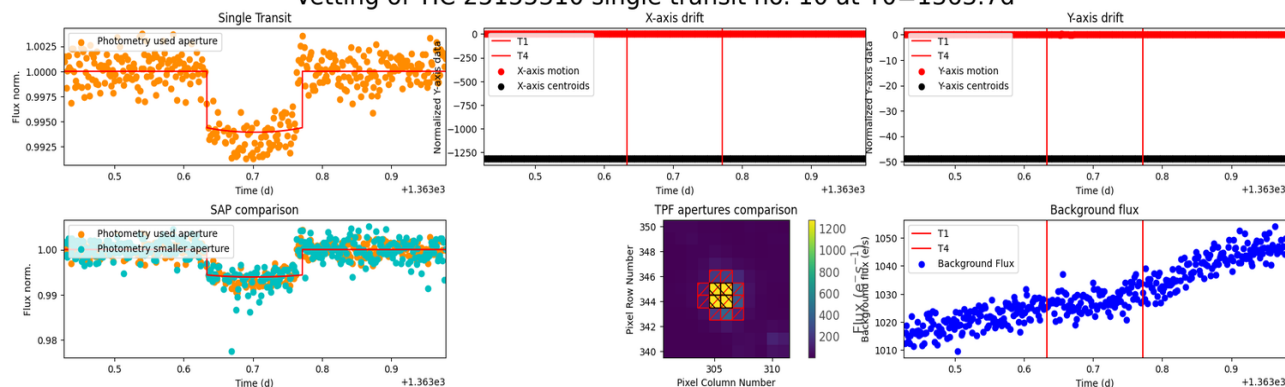


Figure 12: The single transit no. 9 vetting plots

Vetting of TIC 25155310 single transit no. 10 at T0=1363.7d



Target ID: 25155310, 1363.43 - 1363.98 [BTJD days]

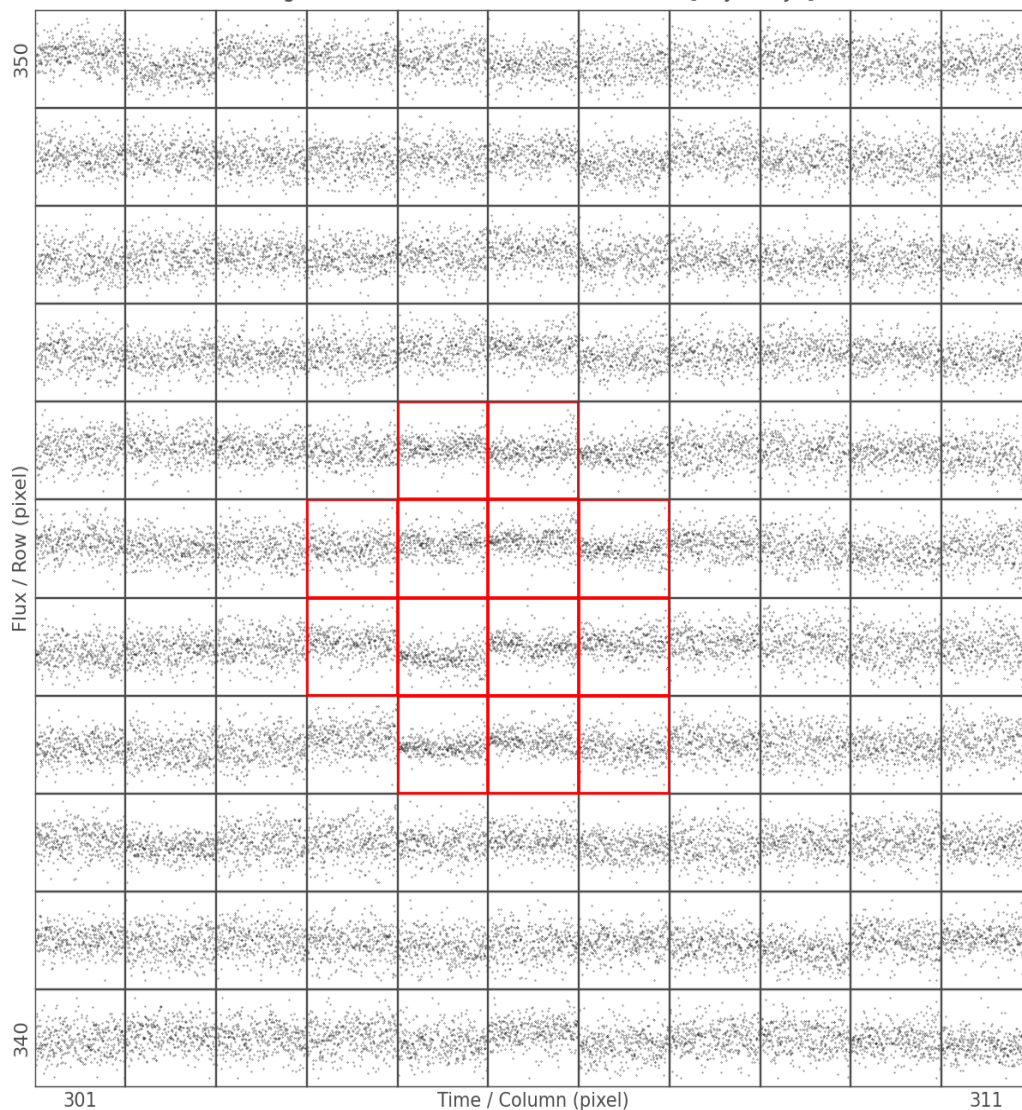
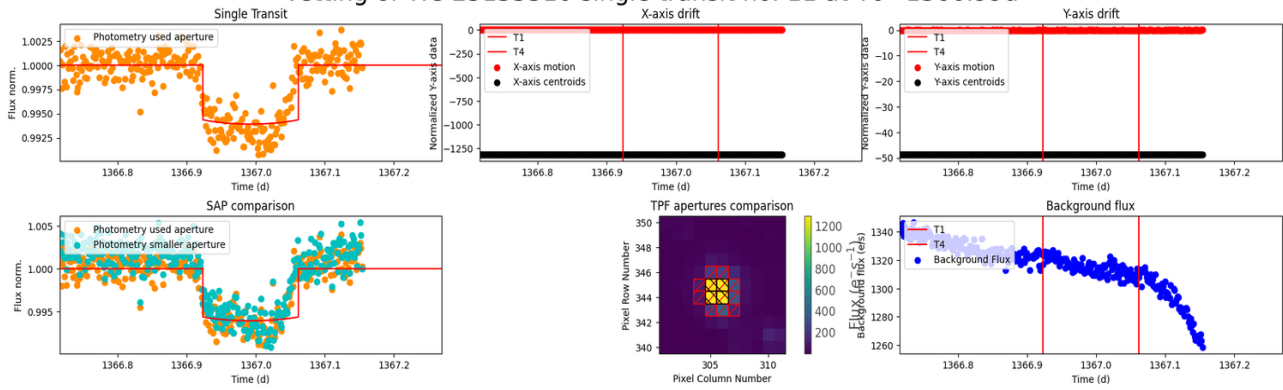


Figure 13: The single transit no. 10 vetting plots

Vetting of TIC 25155310 single transit no. 11 at T0=1366.99d



Target ID: 25155310, 1366.72 - 1367.15 [BTJD days]

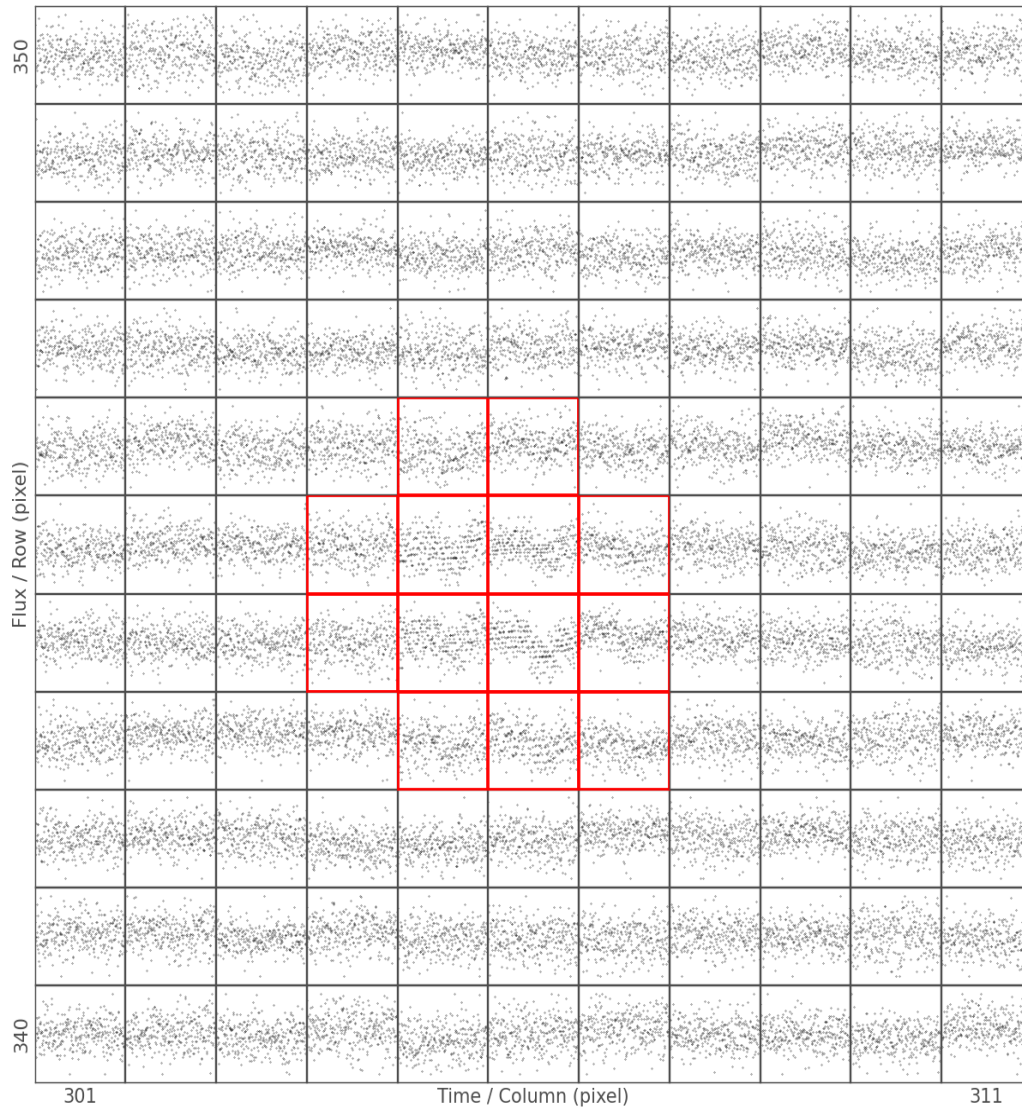
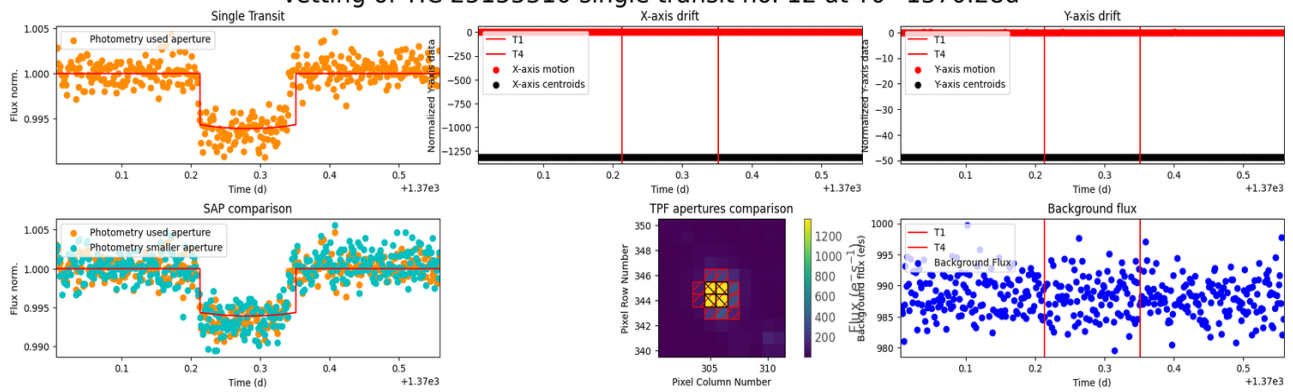


Figure 14: The single transit no. 11 vetting plots

Vetting of TIC 25155310 single transit no. 12 at T0=1370.28d



Target ID: 25155310, 1370.01 - 1370.56 [BTJD days]

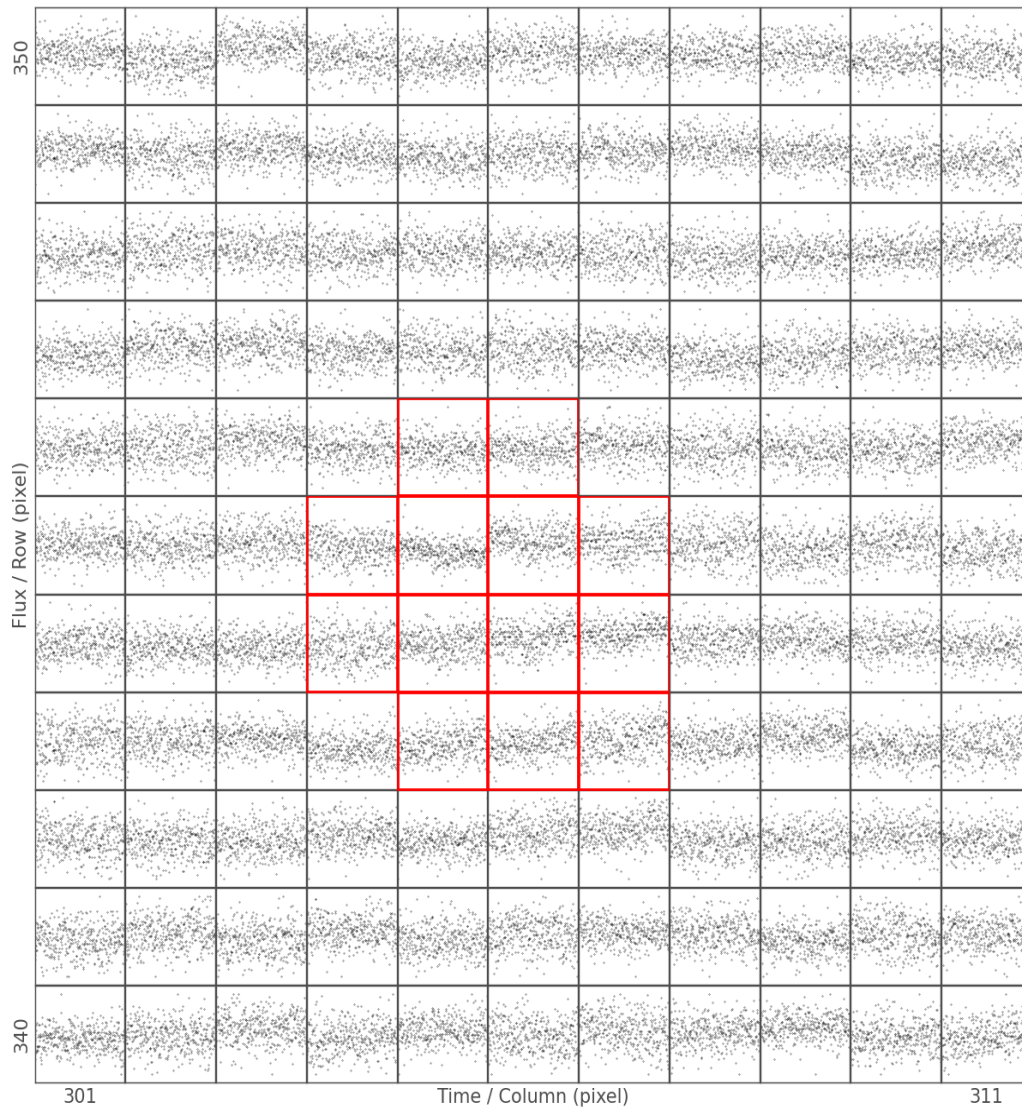
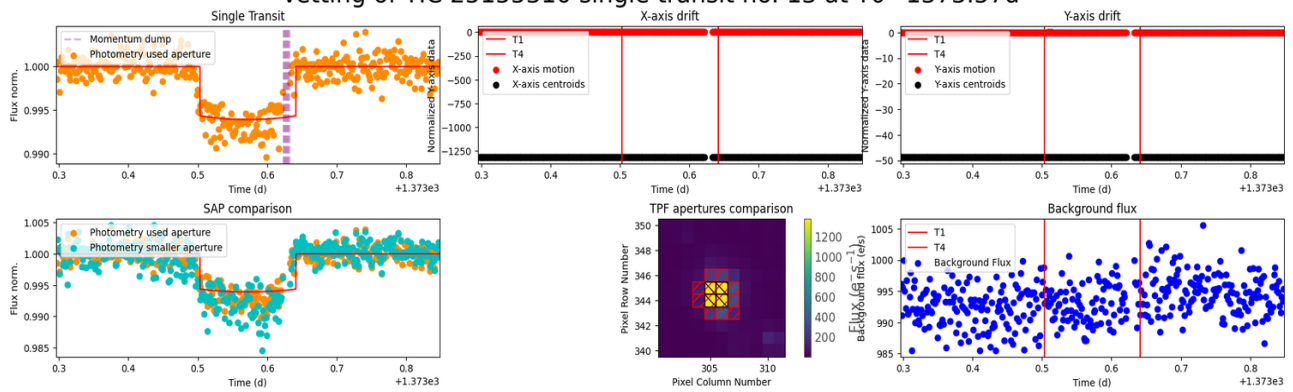


Figure 15: The single transit no. 12 vetting plots

Vetting of TIC 25155310 single transit no. 13 at T0=1373.57d



Target ID: 25155310, 1373.30 - 1373.85 [BTJD days]

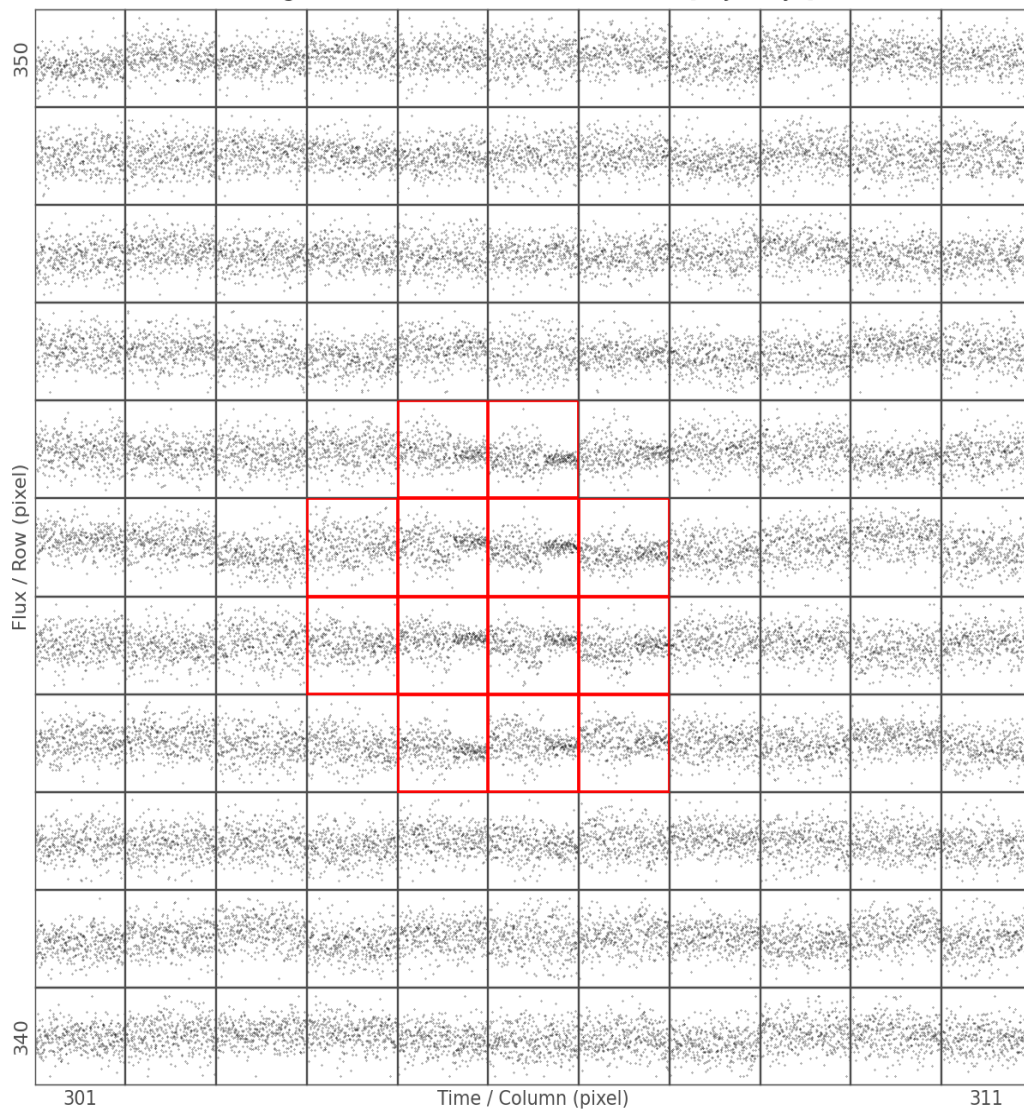
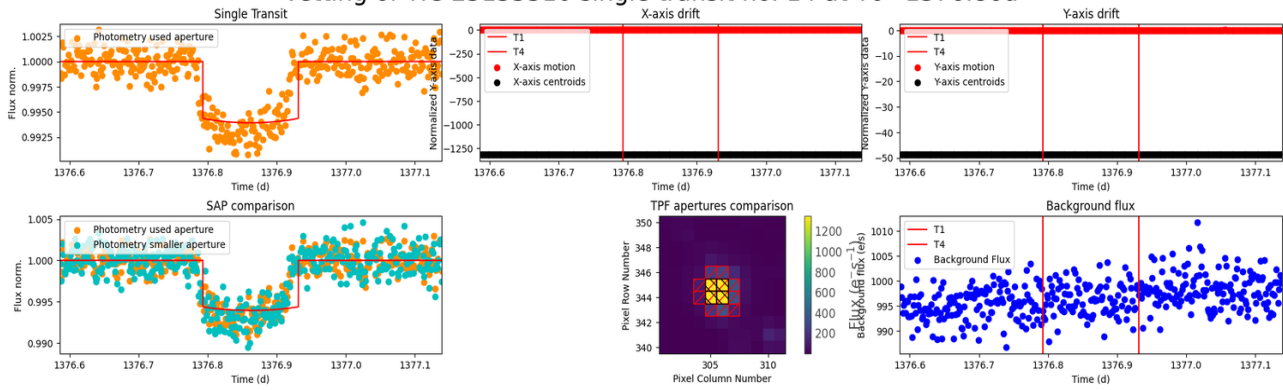


Figure 16: The single transit no. 13 vetting plots

Vetting of TIC 25155310 single transit no. 14 at T0=1376.86d



Target ID: 25155310, 1376.59 - 1377.14 [BTJD days]

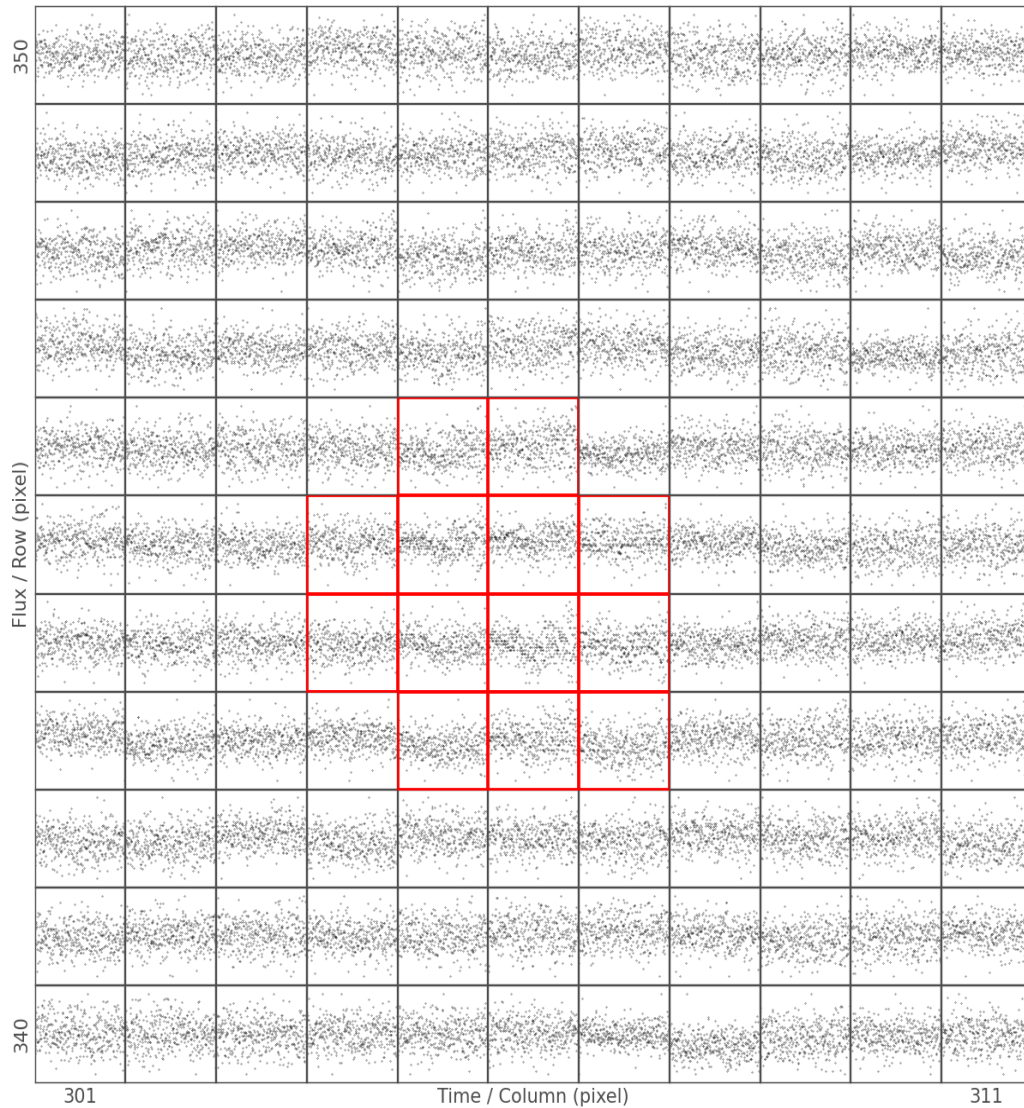
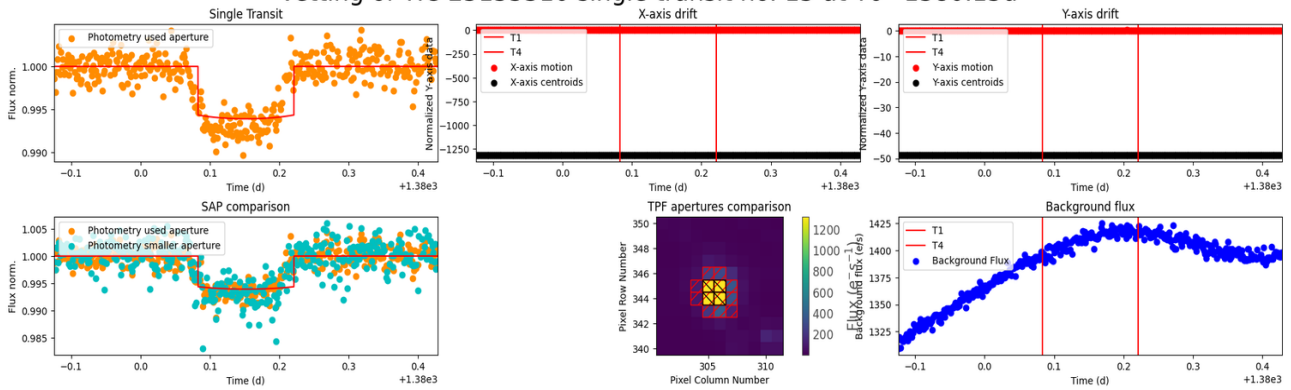


Figure 17: The single transit no. 14 vetting plots

Vetting of TIC 25155310 single transit no. 15 at T0=1380.15d



Target ID: 25155310, 1379.88 - 1380.43 [BTJD days]

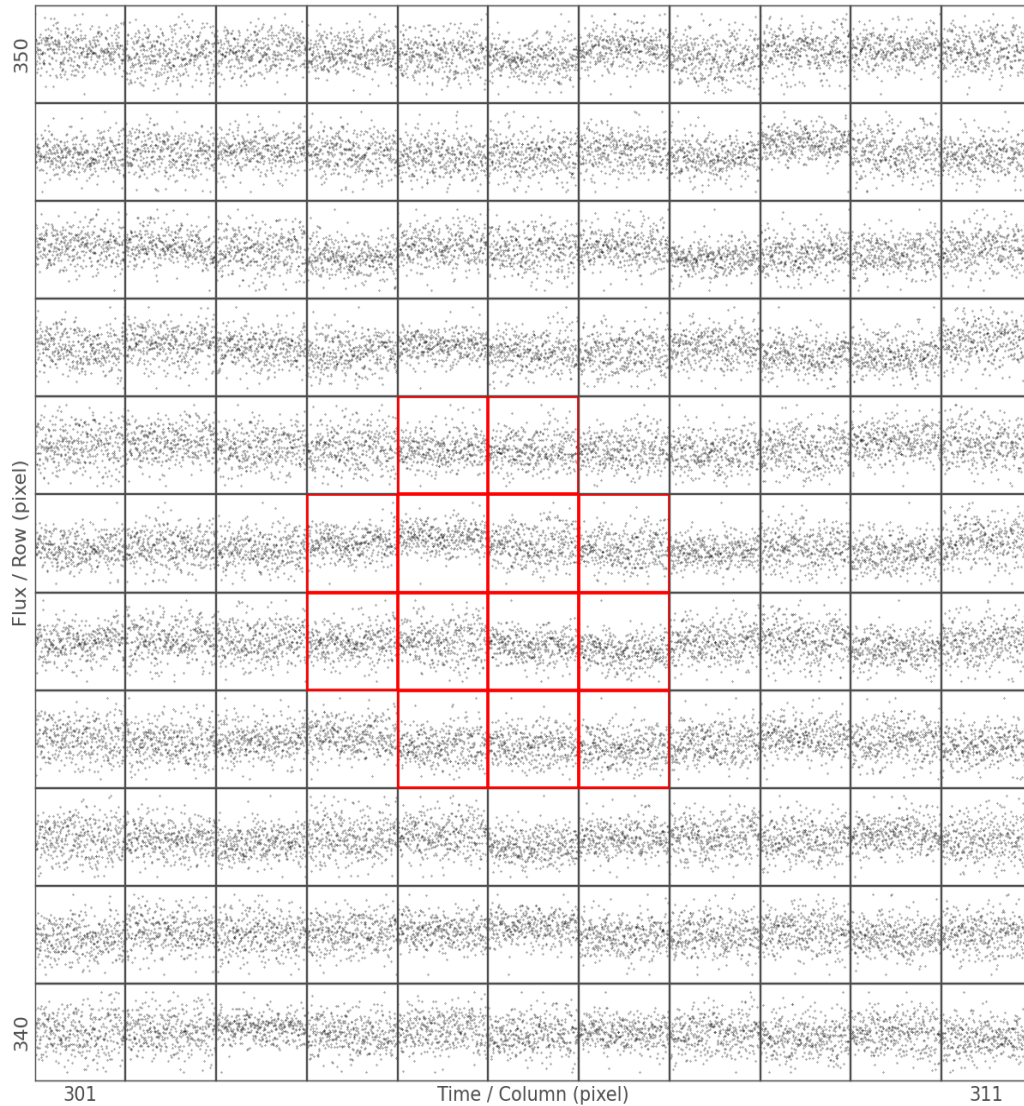


Figure 18: The single transit no. 15 vetting plots