



TIC 307210830 TRANSITS VALIDATION REPORT

This document is created by the WATSON report generator (<https://github.com/PlanetHunters/watson>) and focuses on the target star TIC 307210830.

RA (deg)	Dec (deg)	V (mag)	J (mag)	H (mag)	K (mag)
8:18:07.62	-68:18:46.80	-	-	-	-

Table 1: The proposed target parameters.

T0 (d)	Period (d)	Duration (h)	Depth (ppt)
1354.7156	1.0492	0.89	0.158

Table 2: The candidate parameters.

Metric	Value	Passed
fast_snr	11.491	True
short_snr	14.482	True
long_snr	8.821	True
snr_p_t0	39.982	True
snr_p_2t0	15.309	False
snr_2p_t0	30.187	True
snr_2p_2t0	26.16	True
snr_p2_t0	15.309	False
snr_p2_t02	0.001	True
transit_offset_ra	124.546	False
transit_offset_dec	-68.326	False
transit_offset_err	0.004	True
transit_offset_pos	0.019	False
core_flux_snr	7.265	True
halo_flux_snr	24.817	True
og_score	3.416	False
centroids_ra_snr	-3.995	False
centroids_dec_snr	12.467	False

Table 3: The results of the numerical tests.



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:11

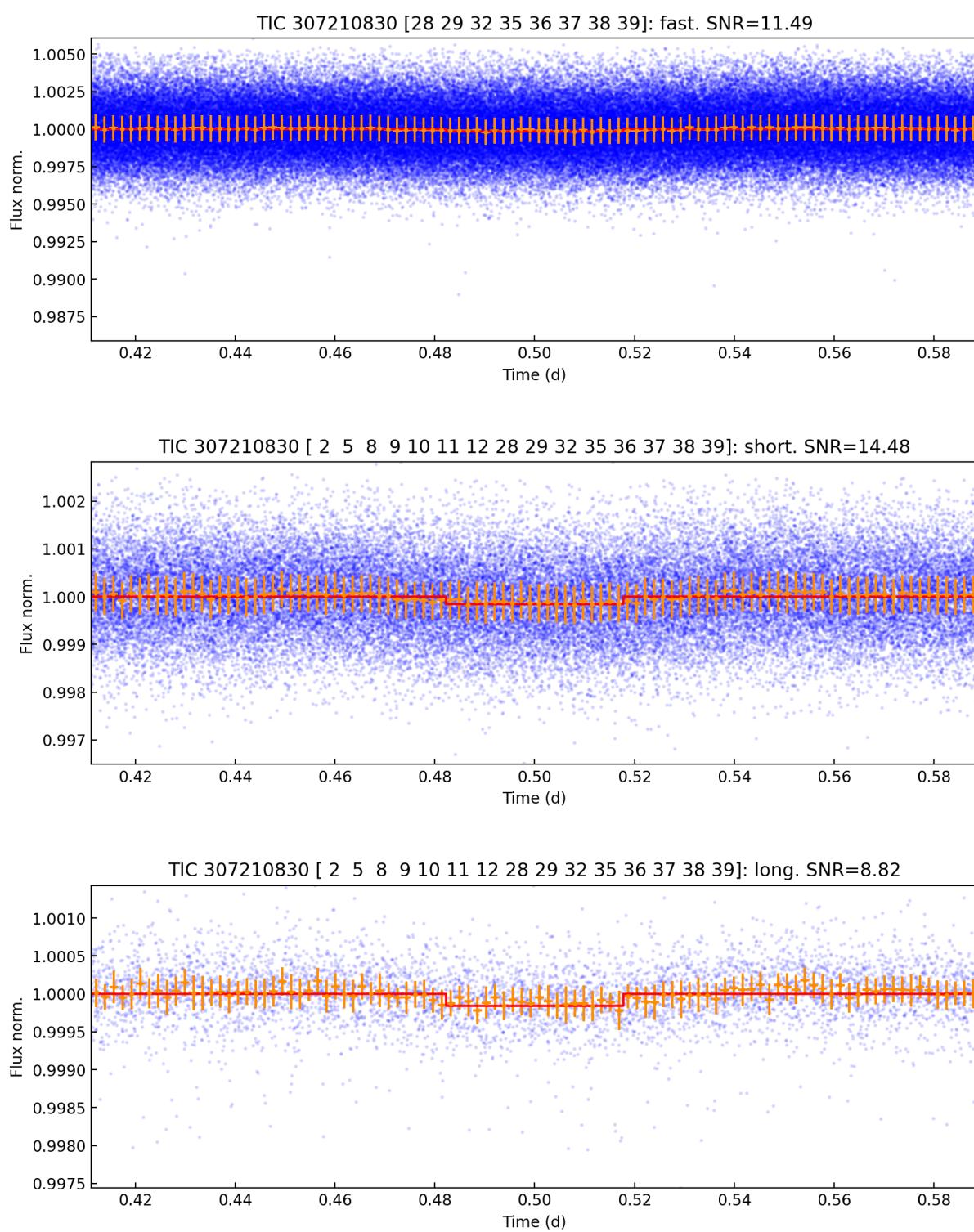


Figure 1: Folded curve for all available cadences.



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:12

TIC 307210830 Transits depth analysis $T_0=1354.72$ $P=1.05d$

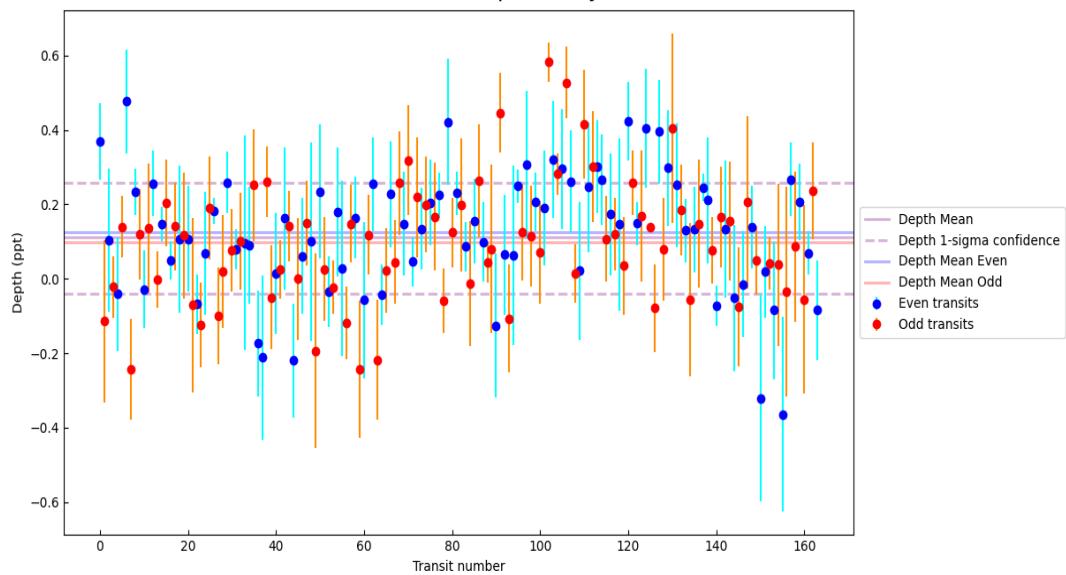


Figure 2: The candidate single-transits depths plot.

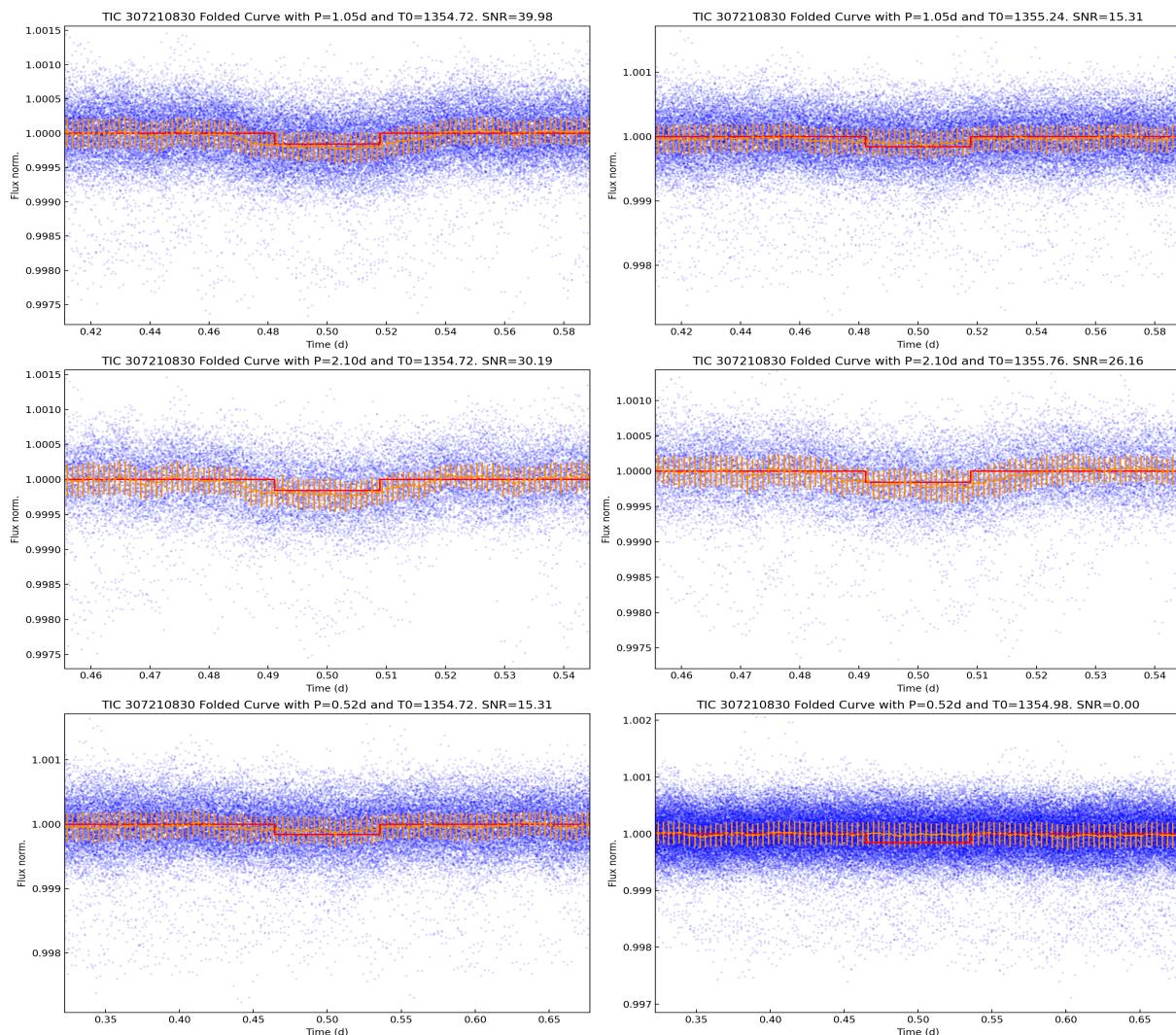


Figure 3: Above, the candidate folded at its found period for the found epoch and epoch + $P/2$. Middle, the candidate folded at its harmonic for the found epoch and epoch + P . Bottom, the candidate folded at its subharmonic for the found epoch and epoch + $P/2$, where the candidate has been masked.

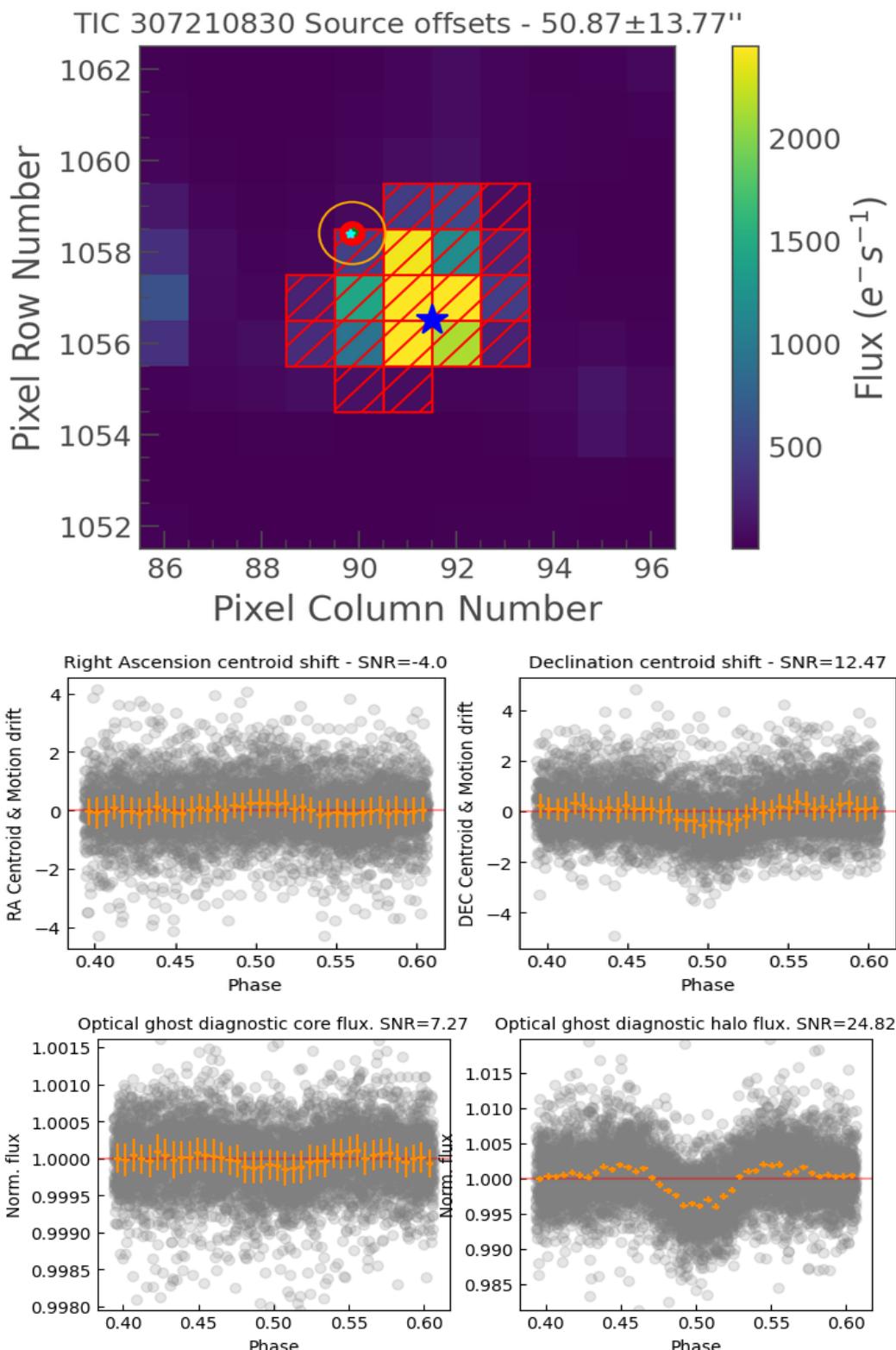


Figure 4: Above, the computed target offset (red circle) from the differential image offset (cyan dot) and the per-pixel BLS SNR offset (green dot). Middle left, the right ascension centroid shift with binning. Middle right, the declination centroid shift with binning. Bottom left, optical ghost diagnostic curve for core flux. Bottom right, optical ghost diagnostic curve for halo flux

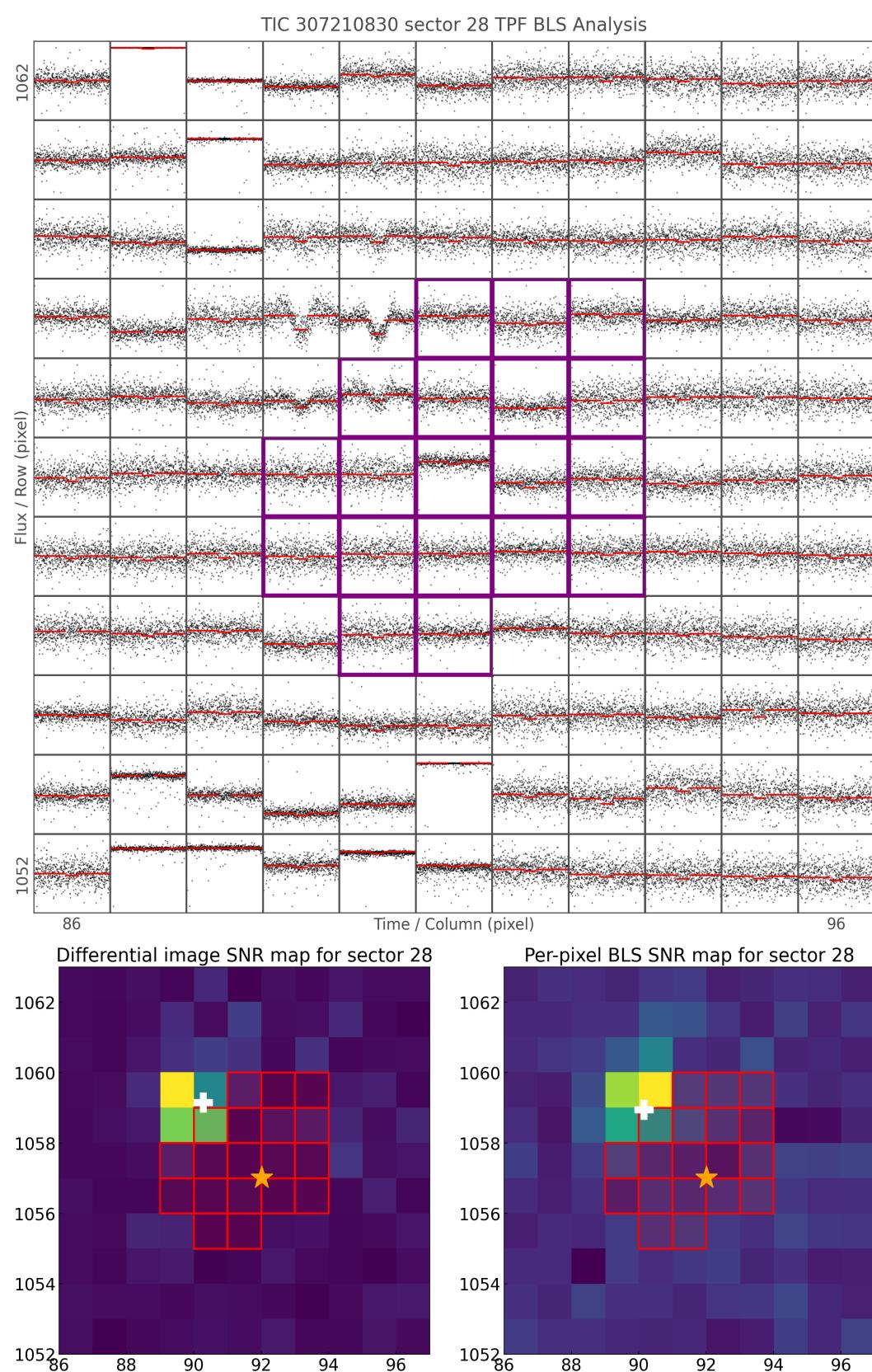


Figure 5: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.

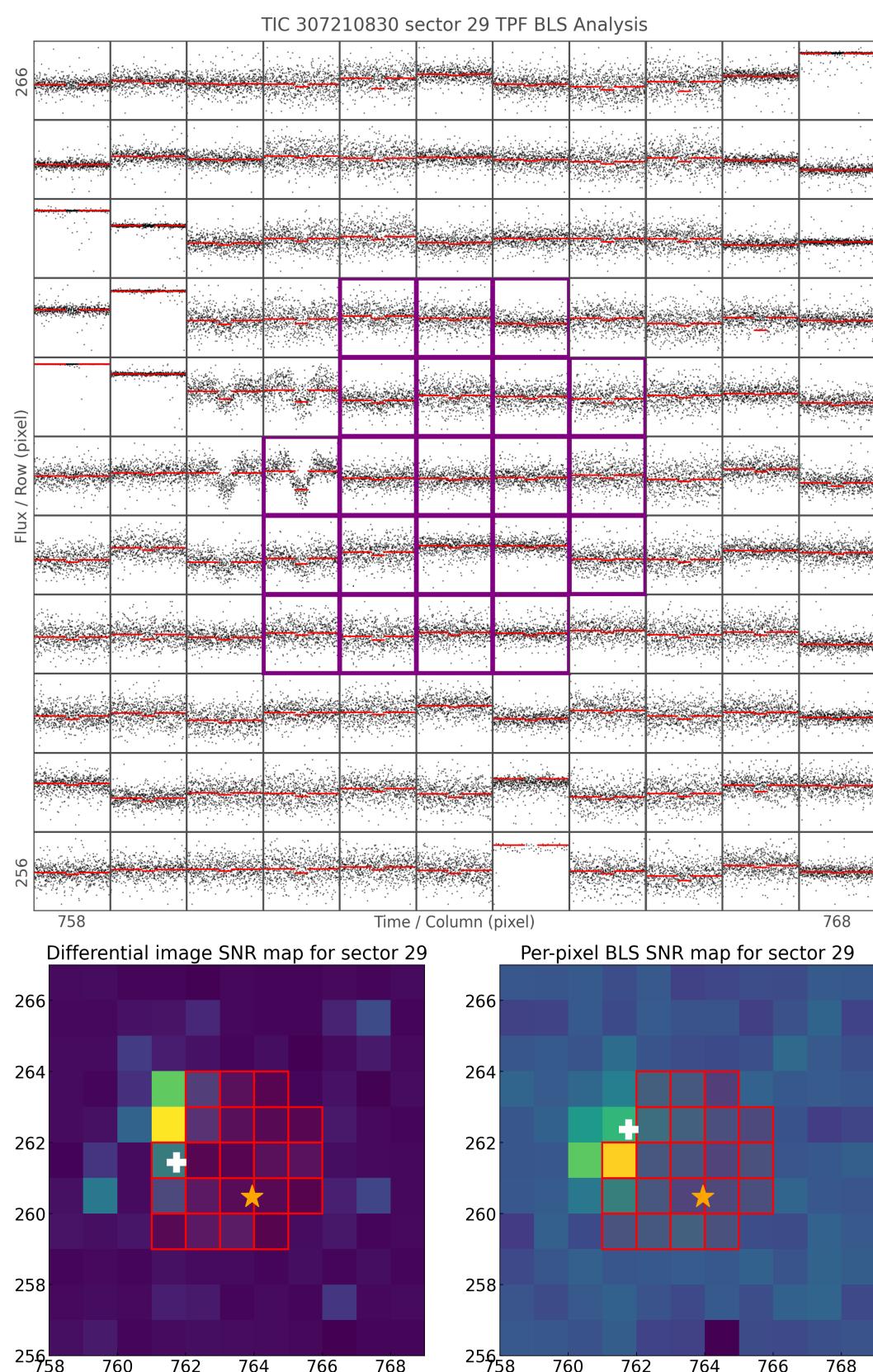


Figure 6: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:15

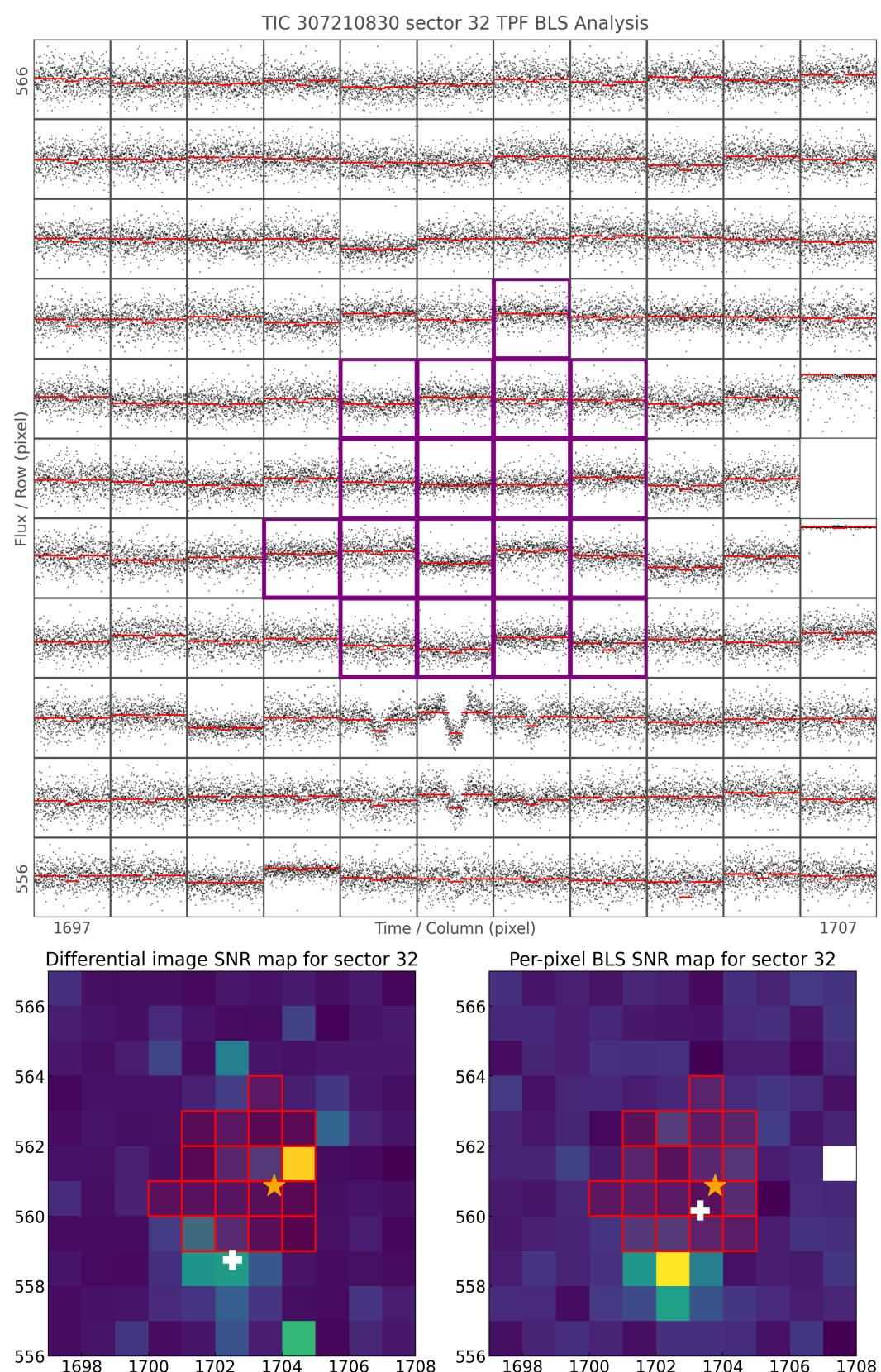


Figure 7: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.

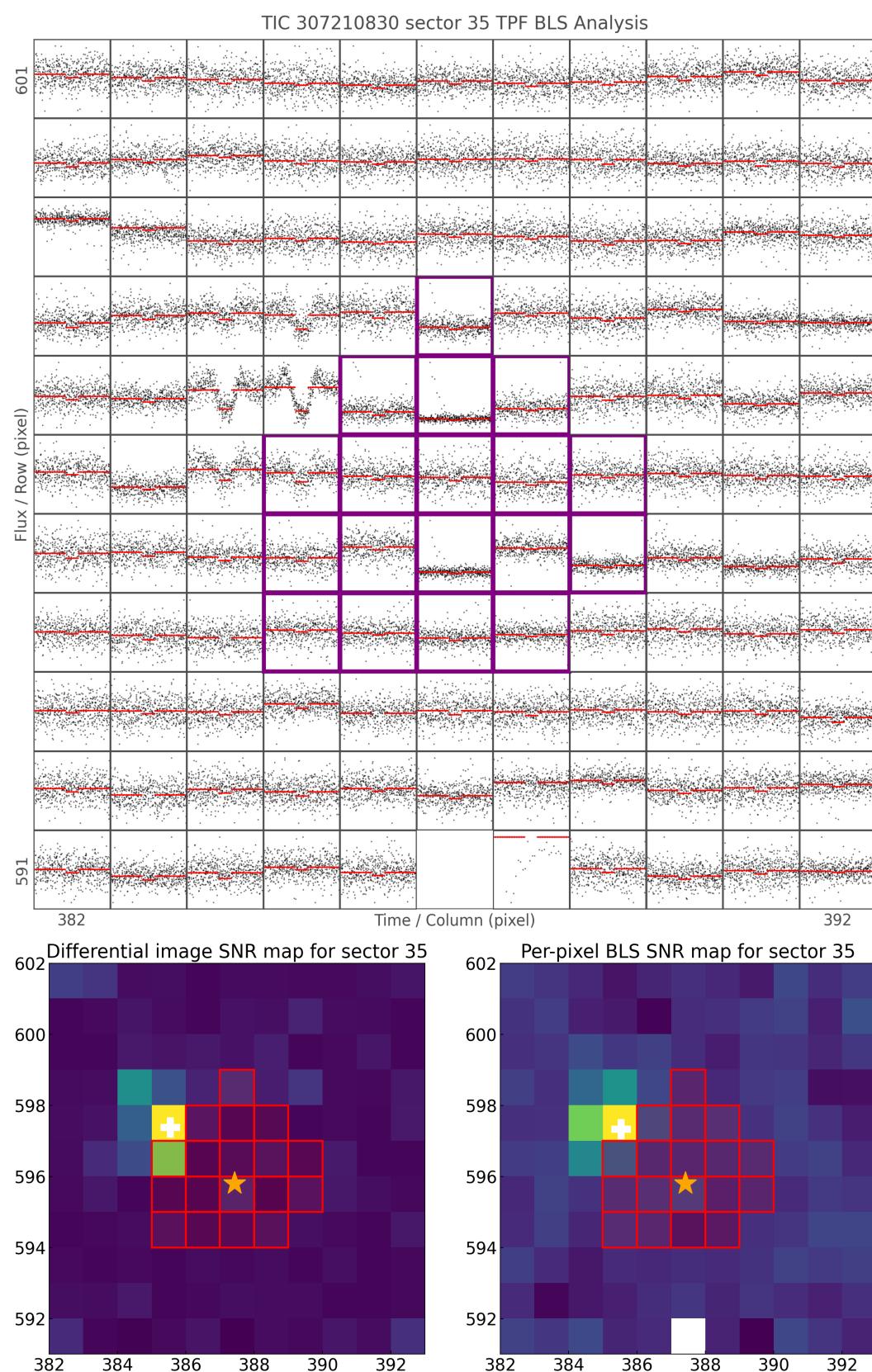


Figure 8: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.

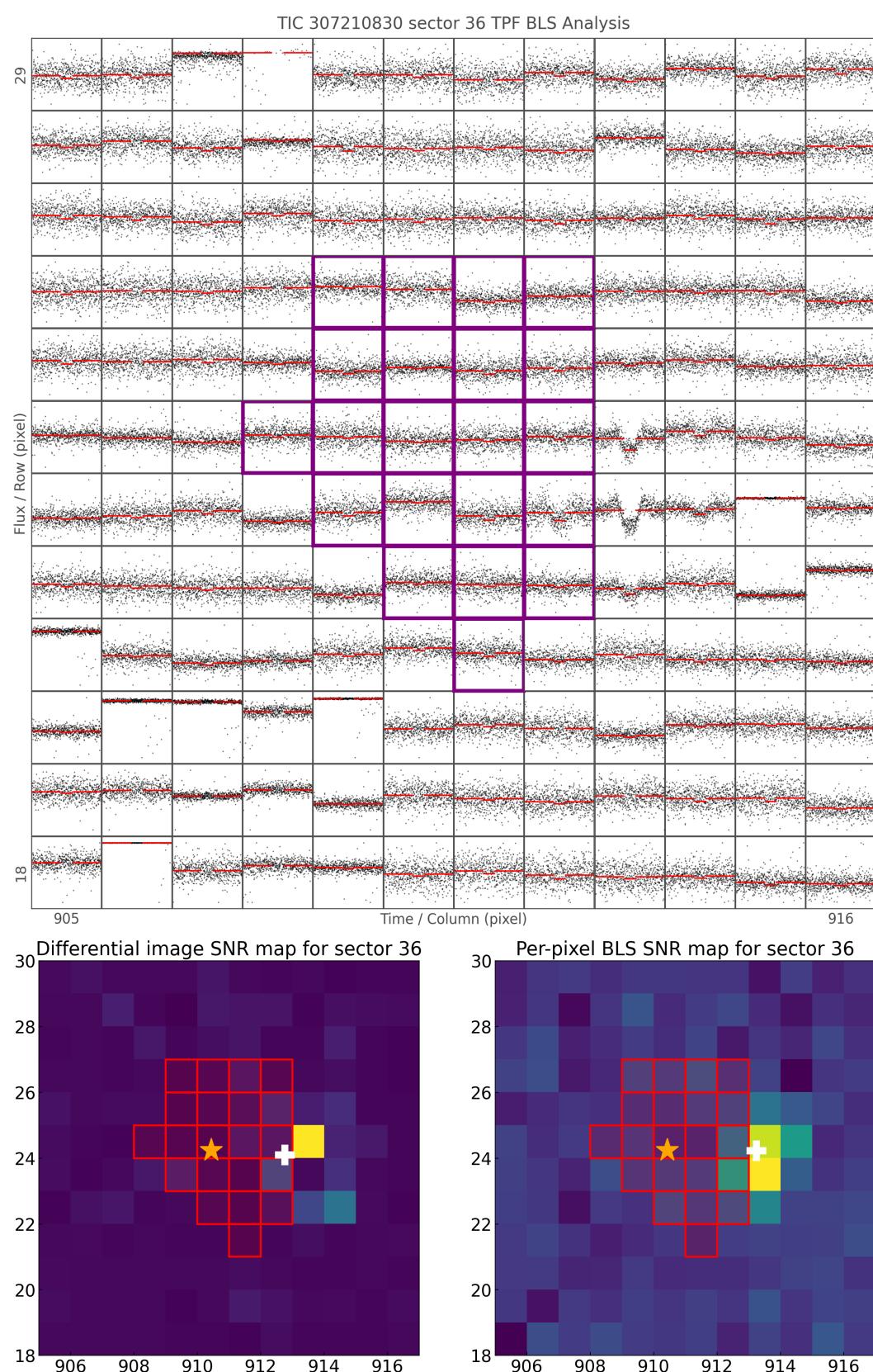


Figure 9: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.

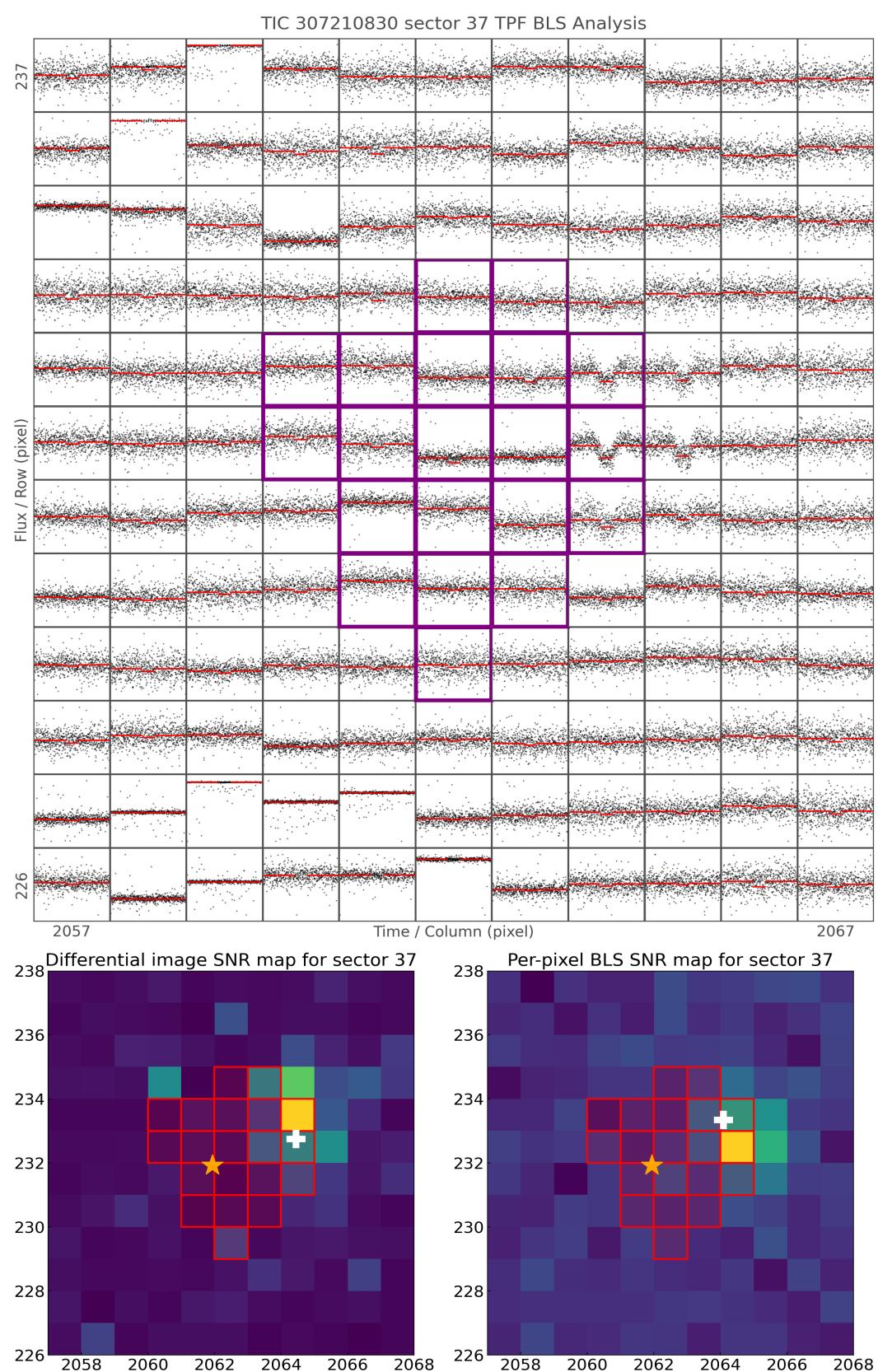


Figure 10: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.

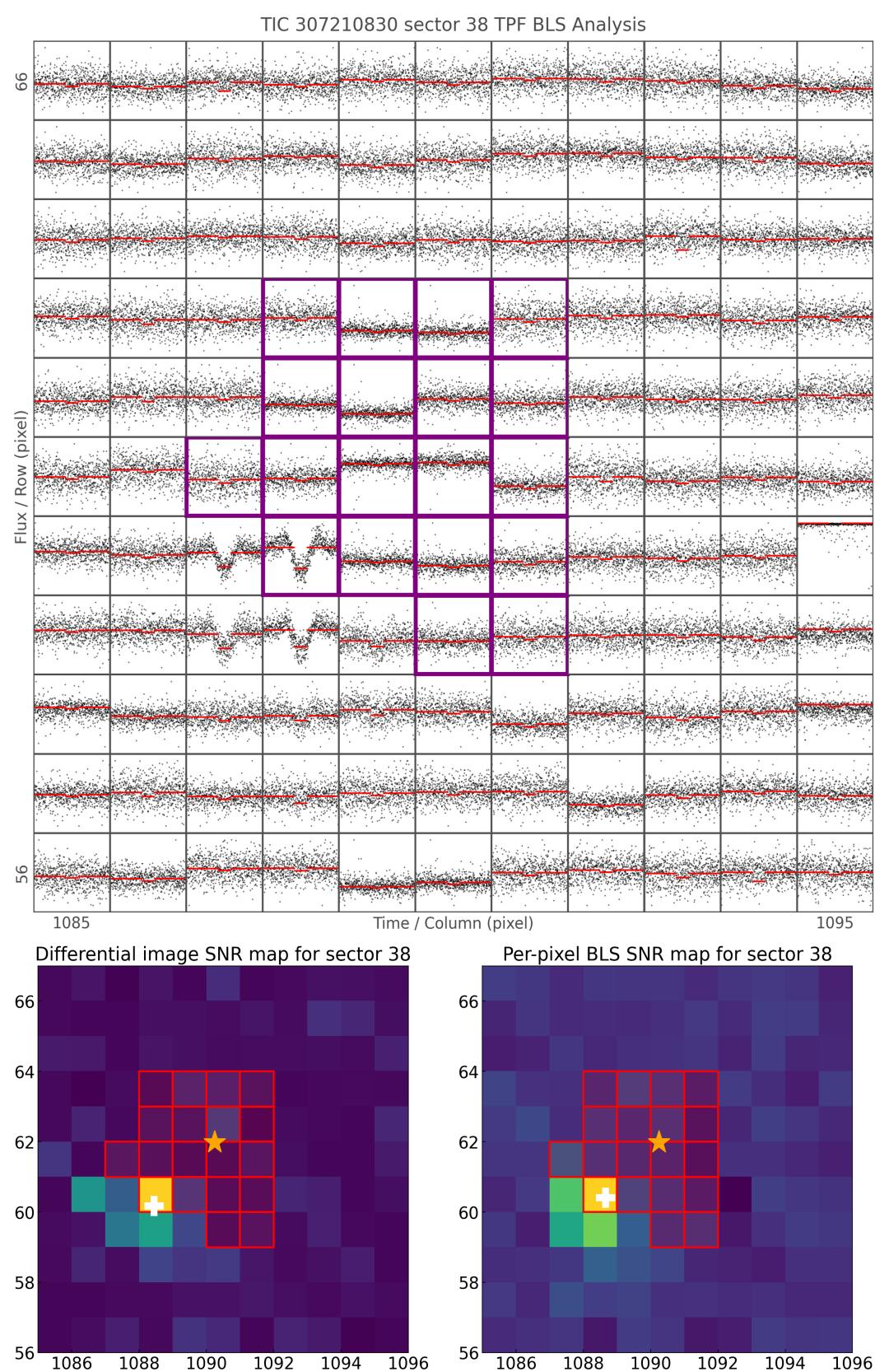


Figure 11: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.

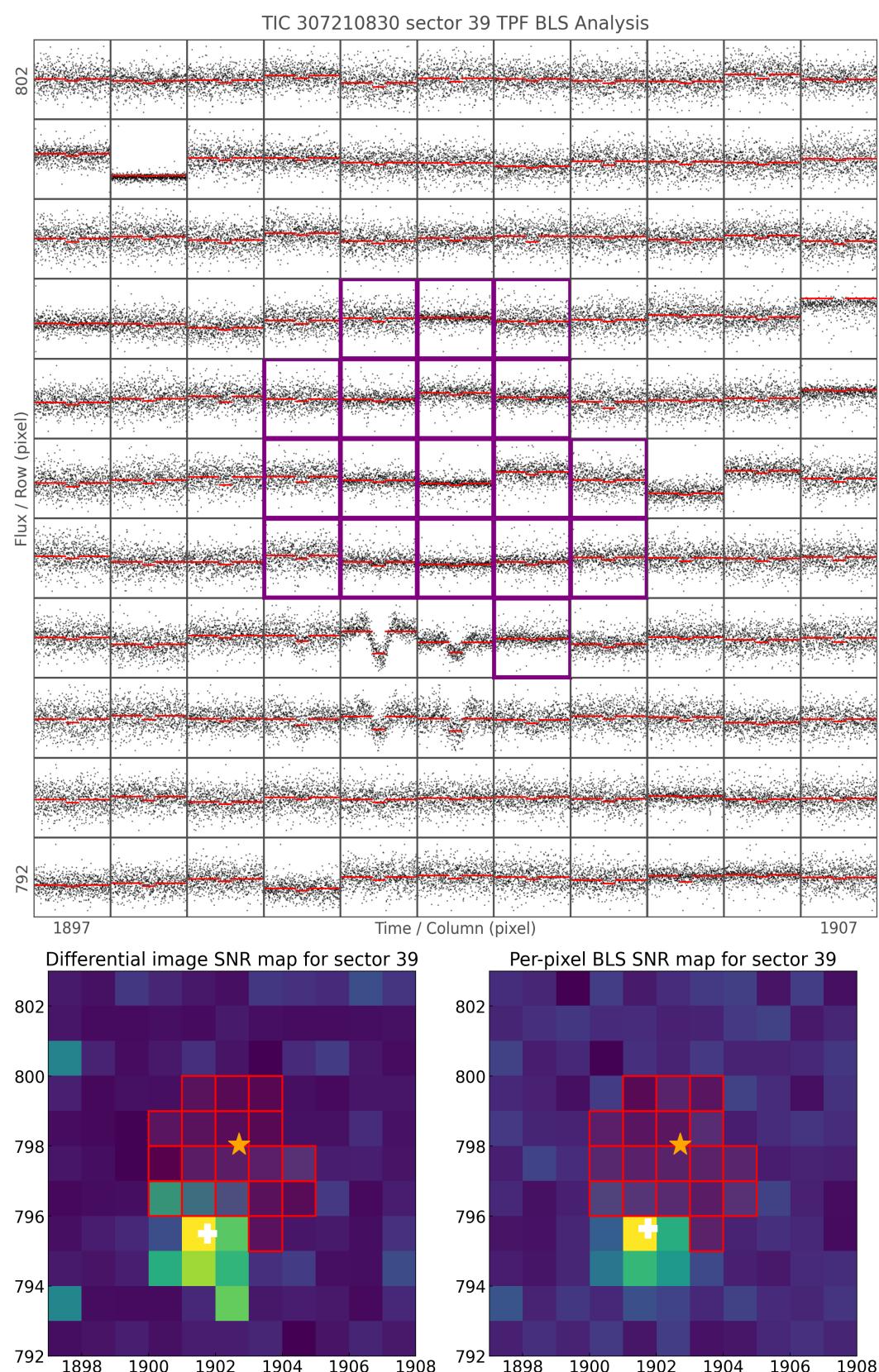


Figure 12: Above, the TPF and per-pixel BLS SNR best fits. Bottom left, the per-pixel BLS SNR for each pixel. Bottom right, the differential images SNR for each pixel. The target position is represented by a red star and the TPF independent source offset is represented by a white plus.



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.



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:23

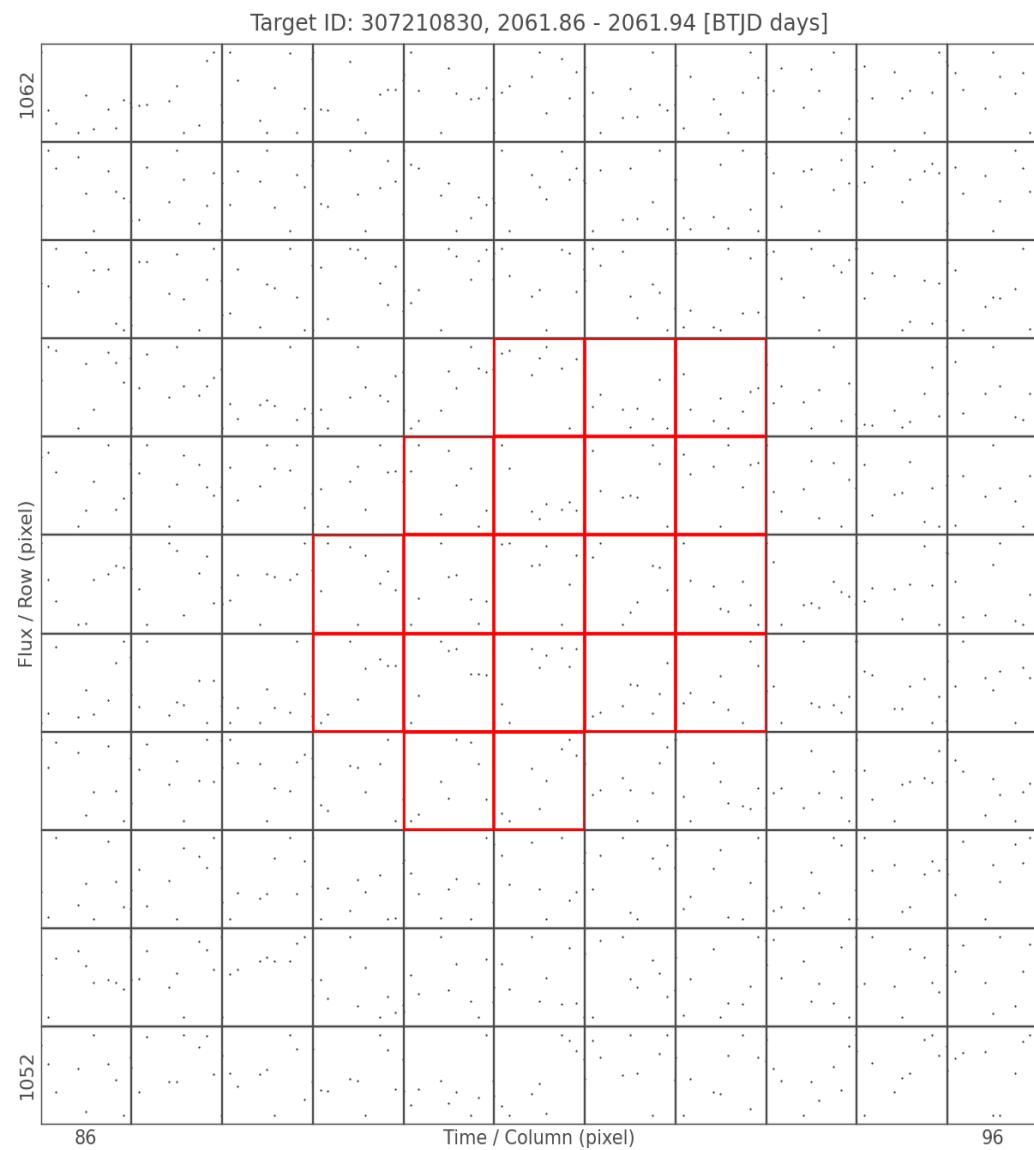
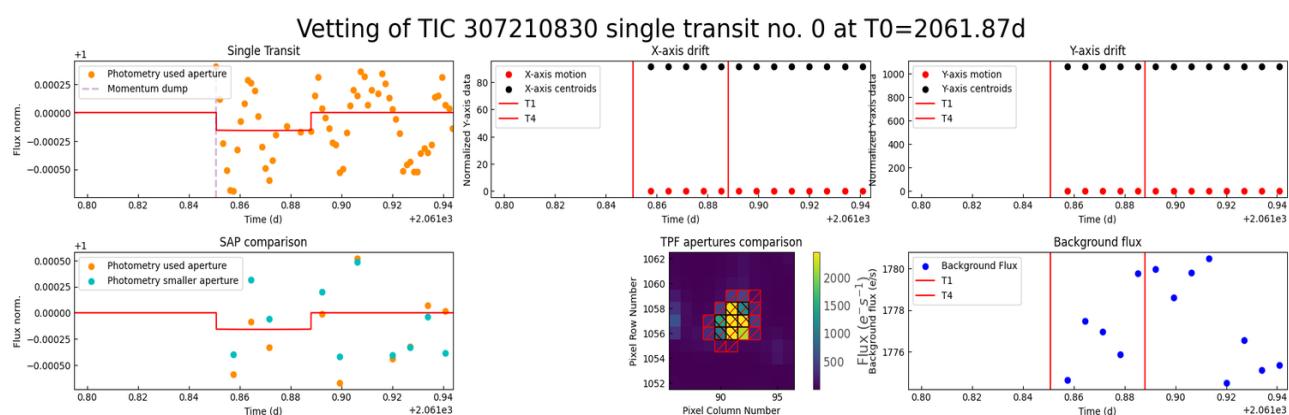


Figure 13: The single transit no. 0 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:23

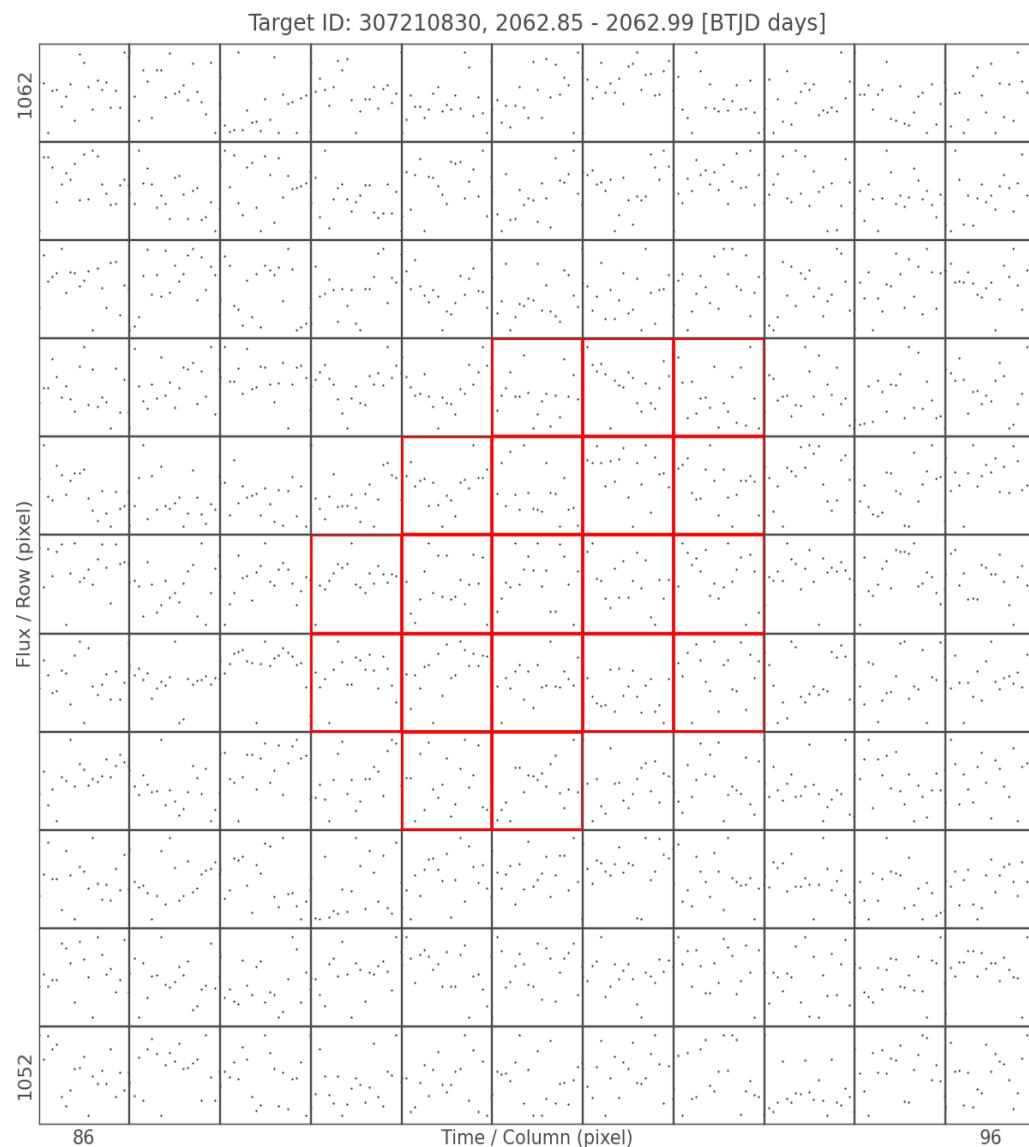
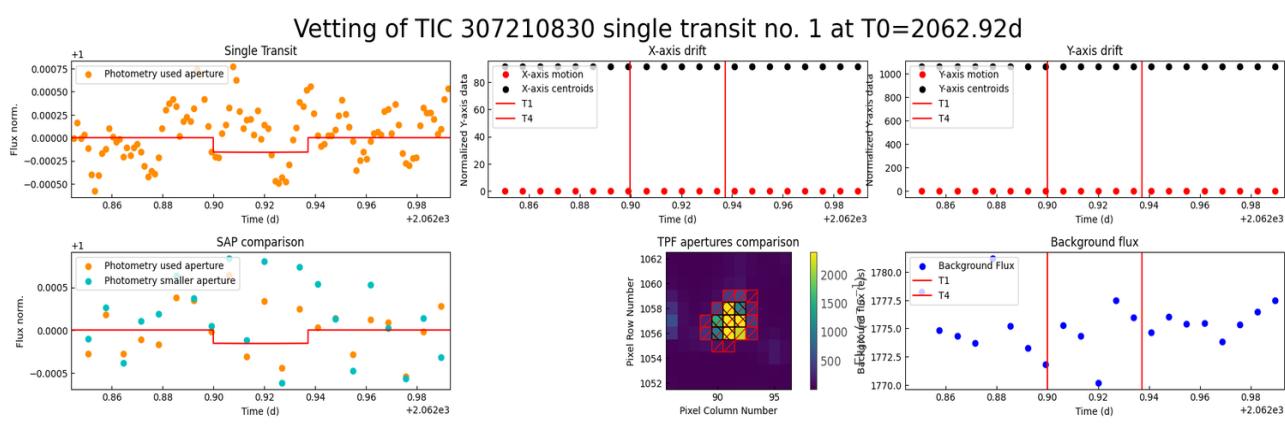
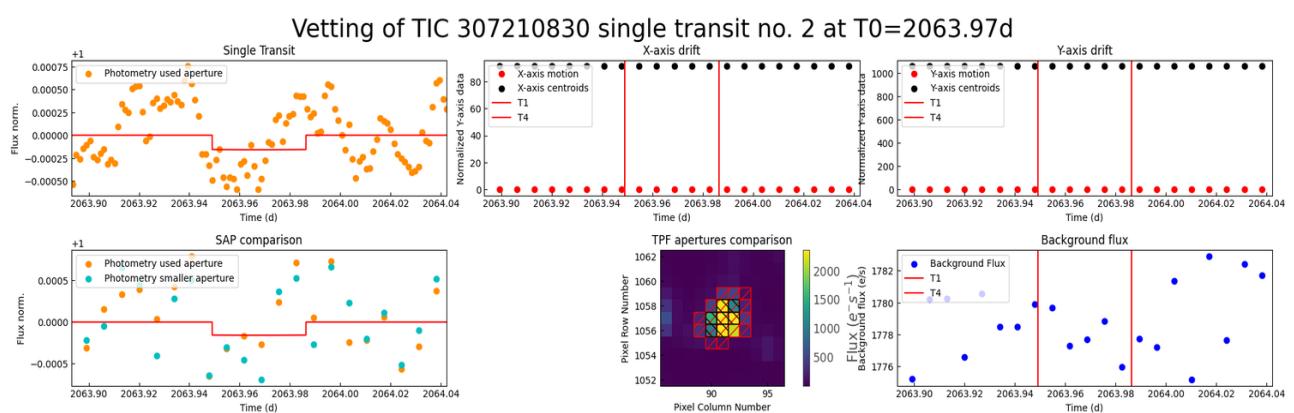


Figure 14: The single transit no. 1 vetting plots



Target ID: 307210830, 2063.90 - 2064.04 [BTJD days]

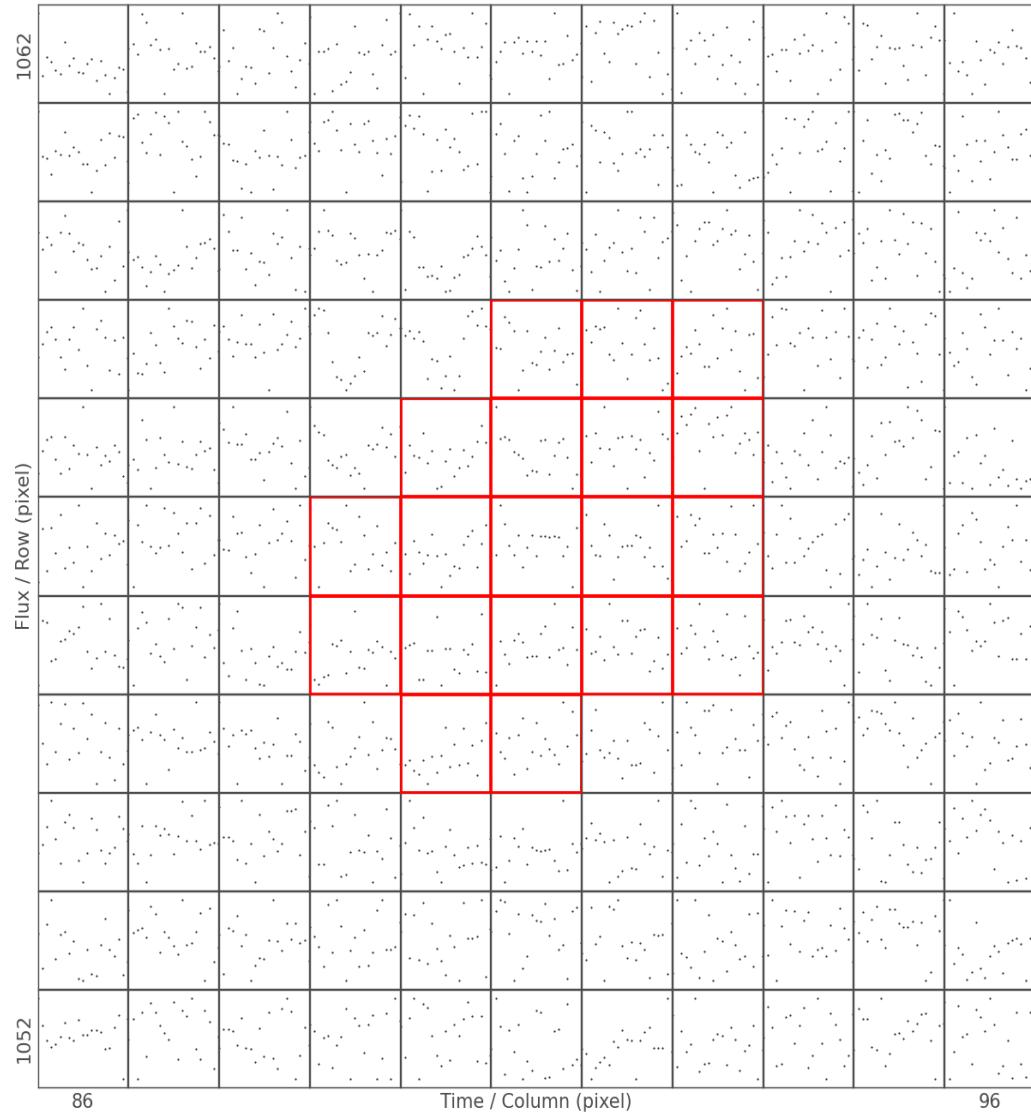


Figure 15: The single transit no. 2 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:23

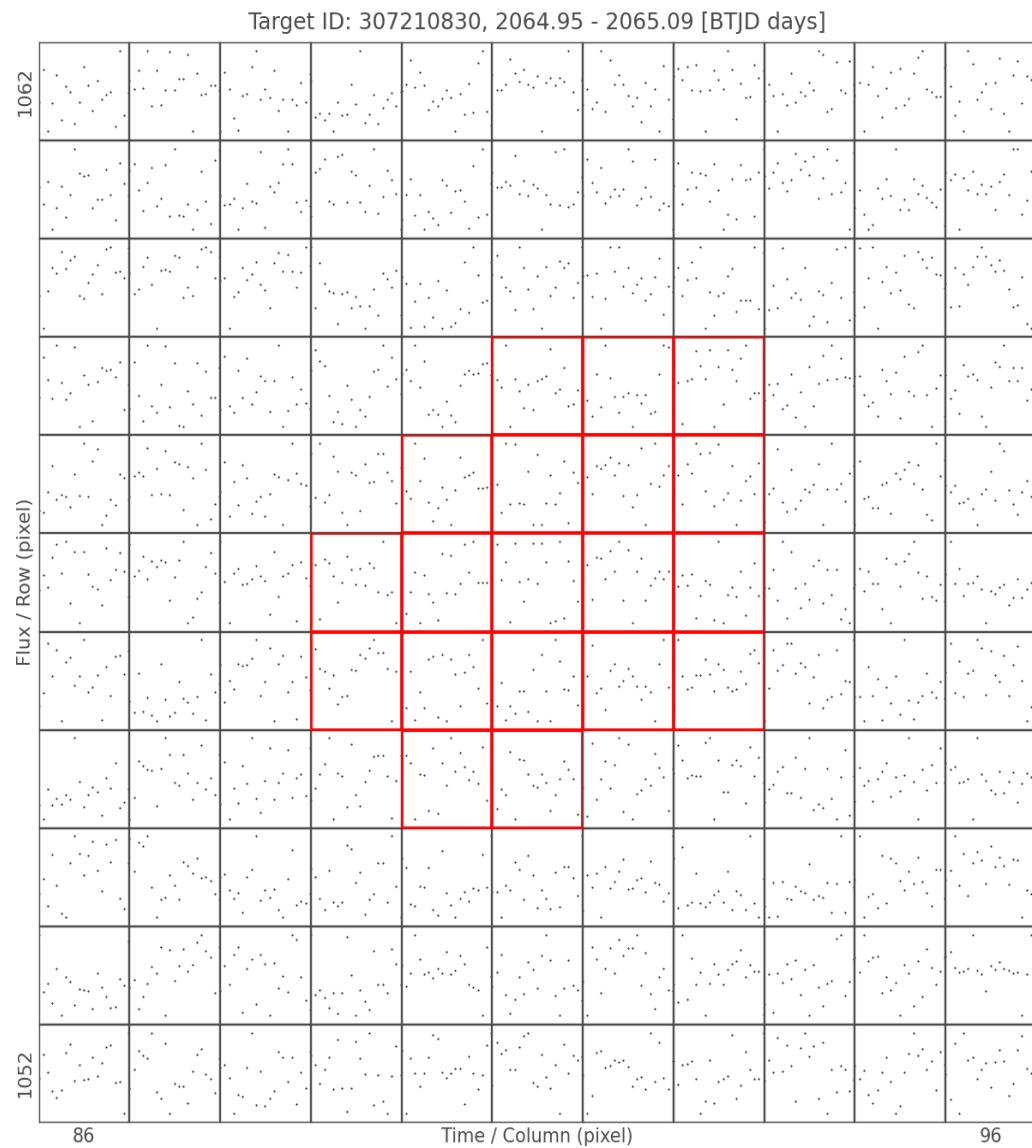
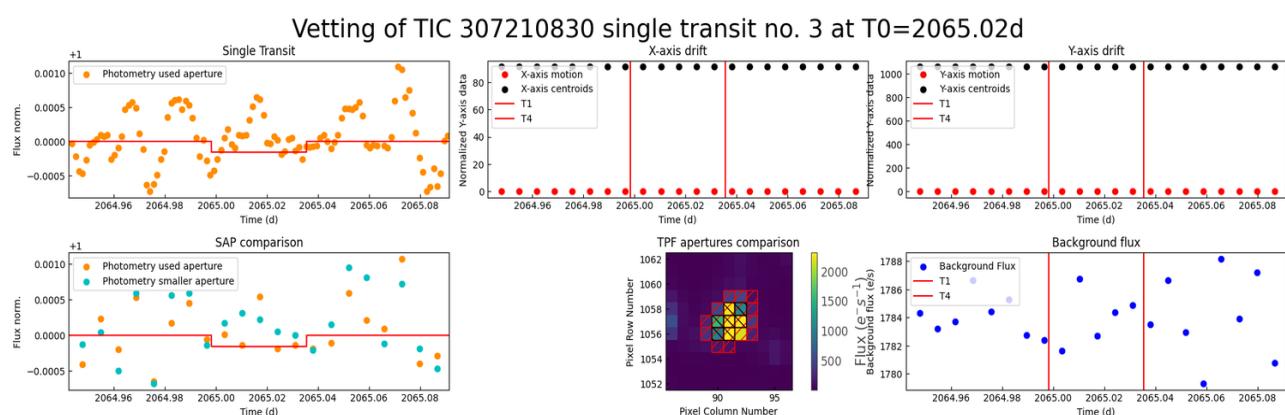


Figure 16: The single transit no. 3 vetting plots

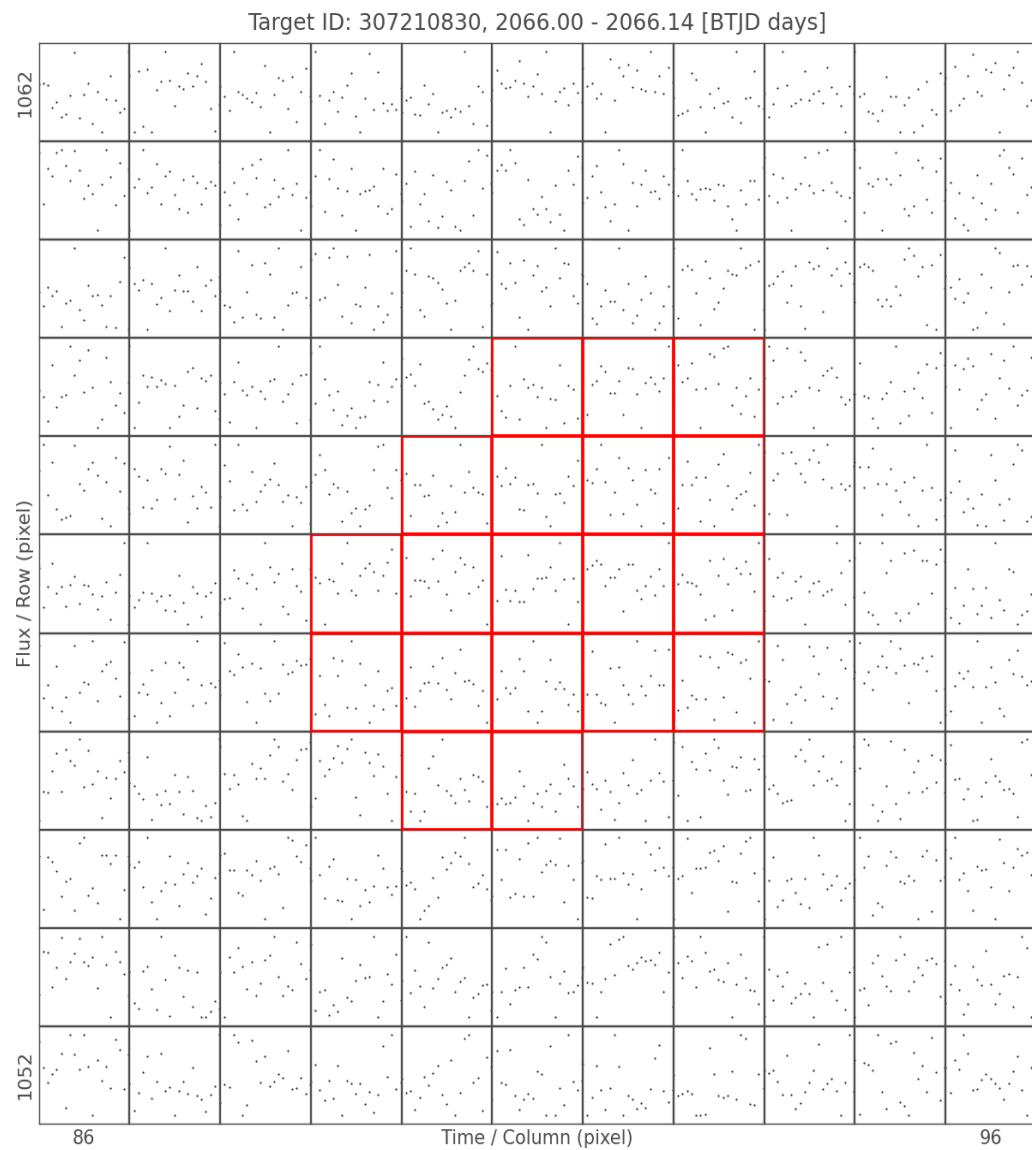
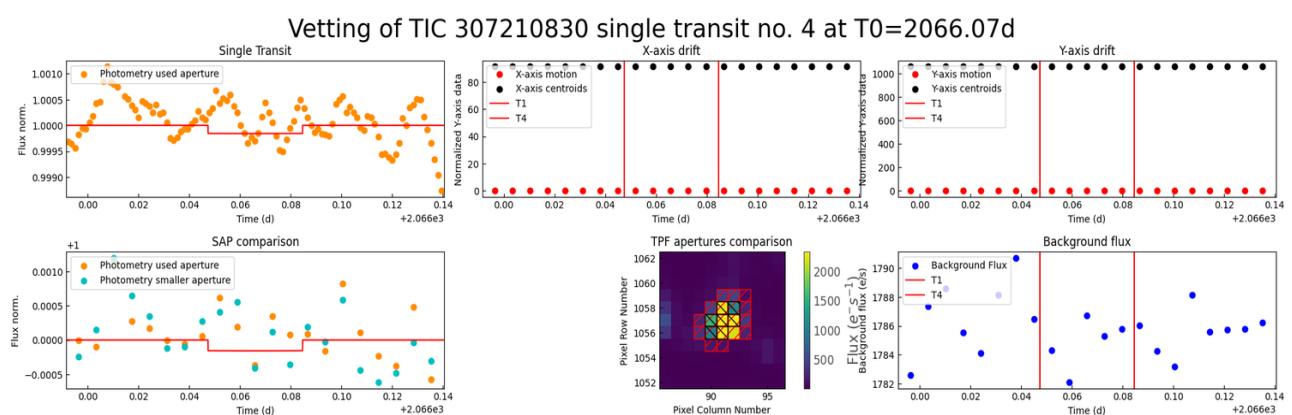


Figure 17: The single transit no. 4 vetting plots

WATSON Transits Validation Report: TIC 307210830

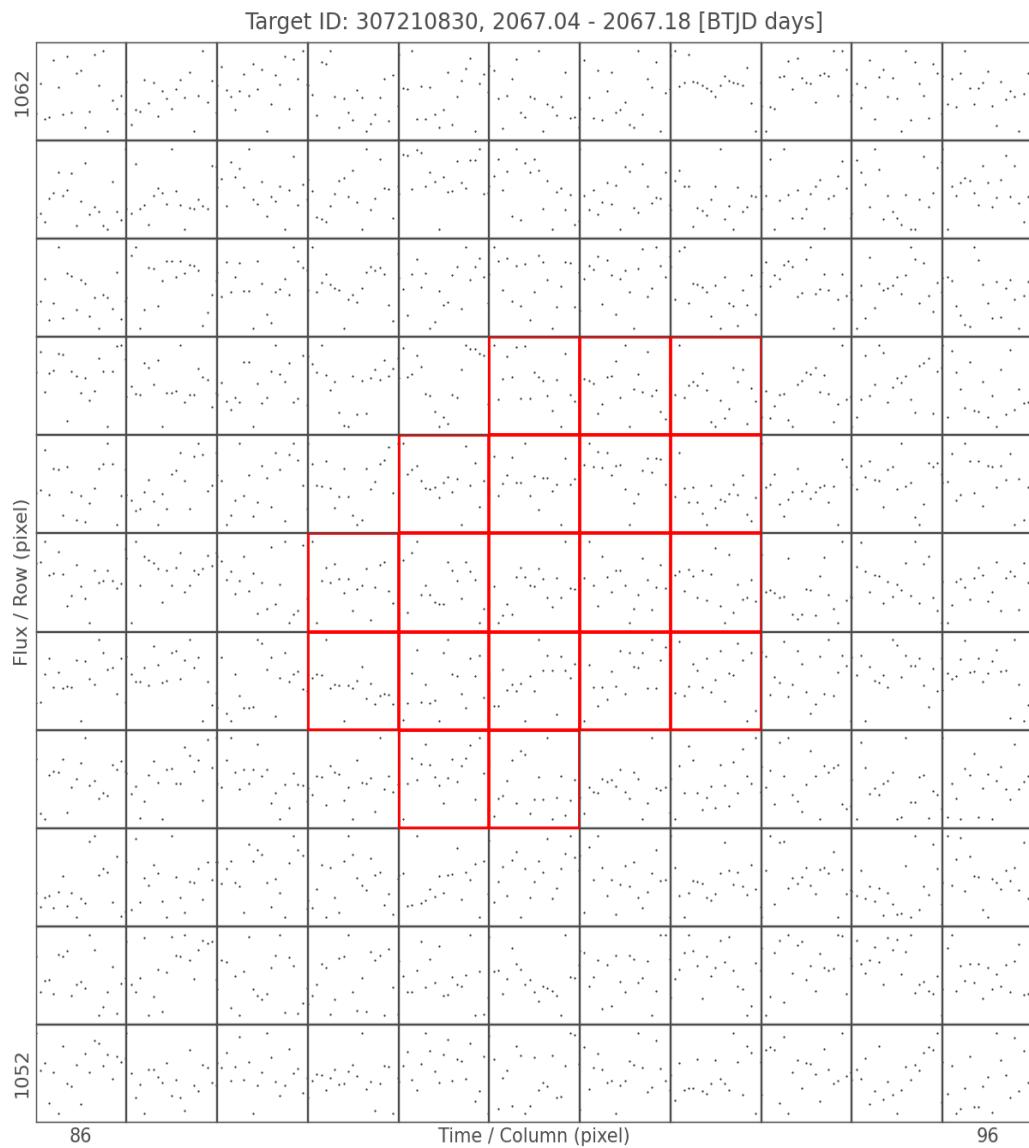
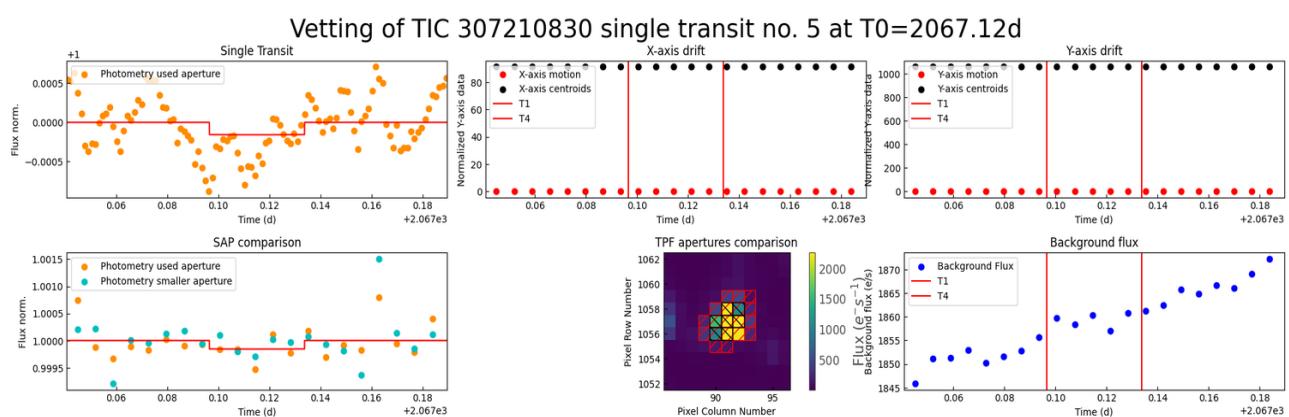
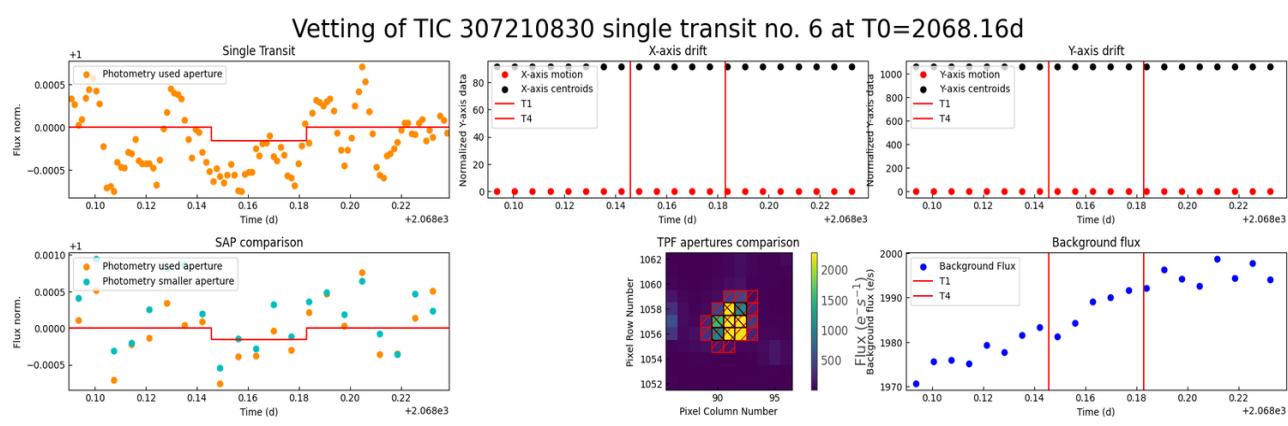


Figure 18: The single transit no. 5 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:24



Target ID: 307210830, 2068.09 - 2068.23 [BJD days]

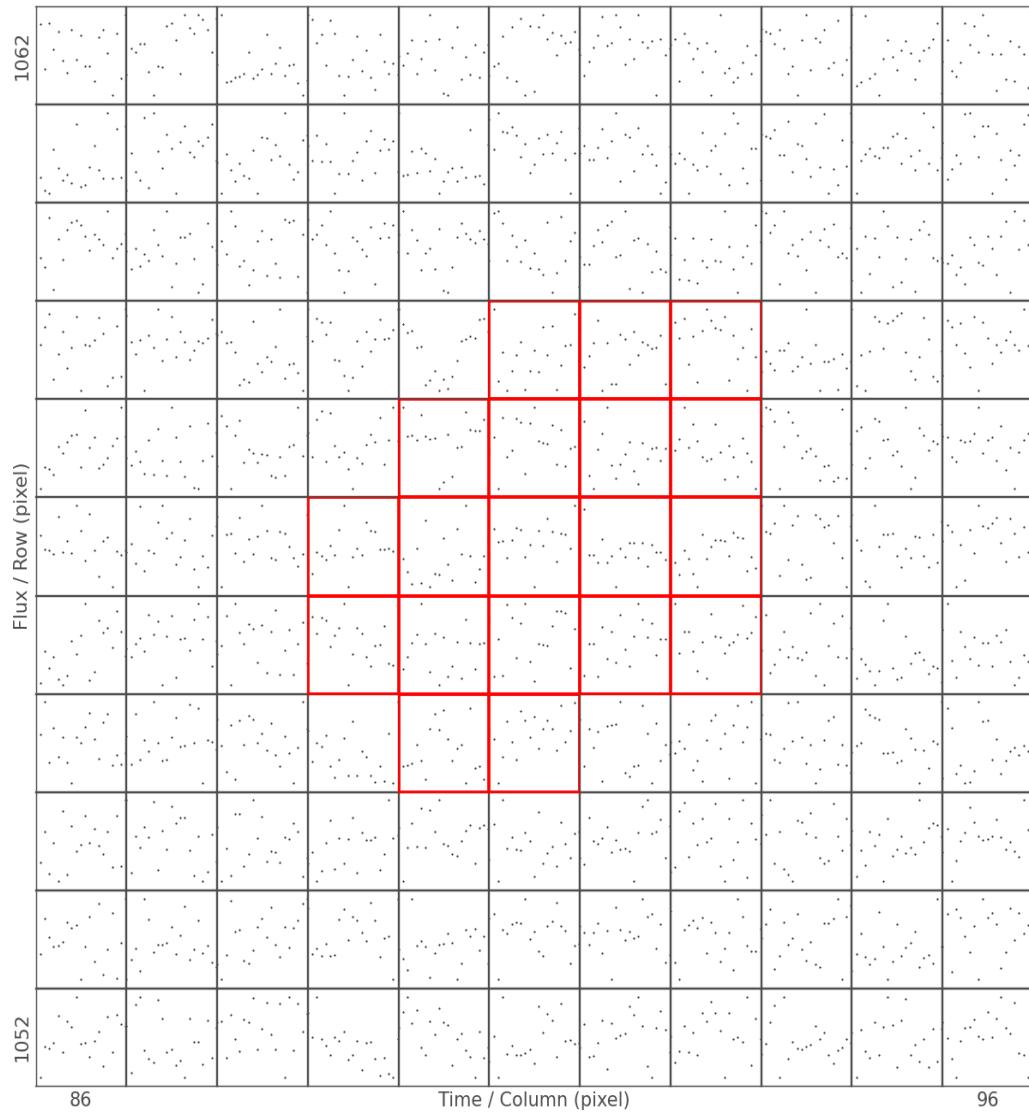


Figure 19: The single transit no. 6 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:24

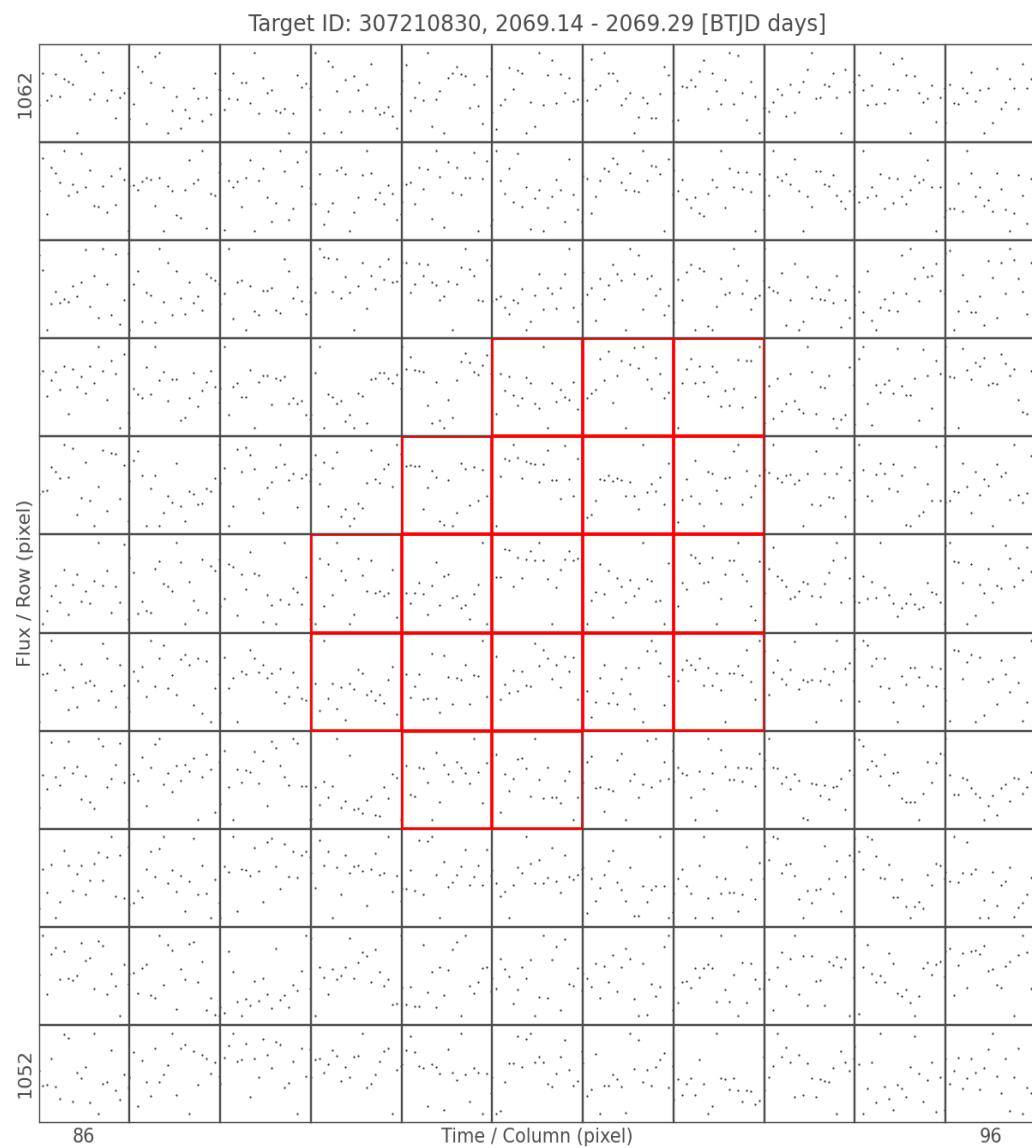
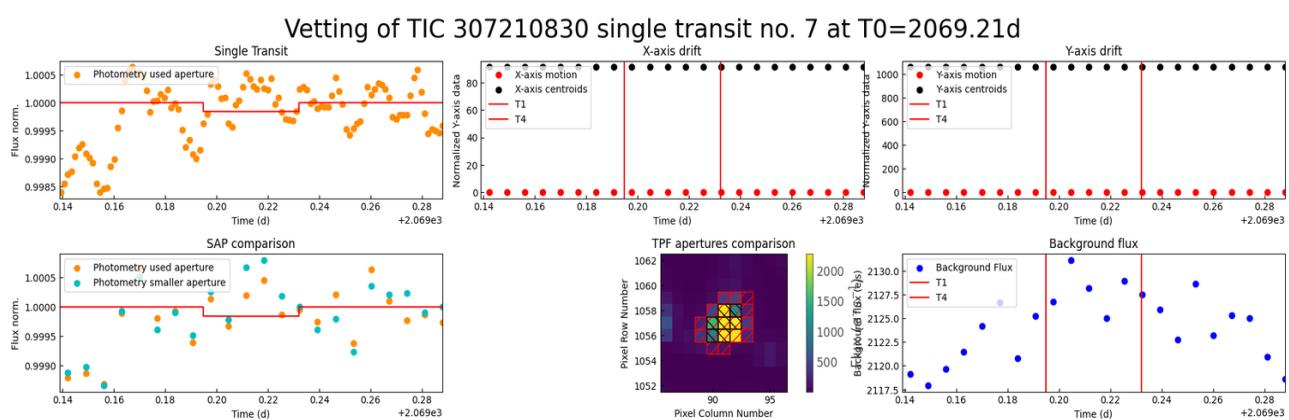


Figure 20: The single transit no. 7 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:24

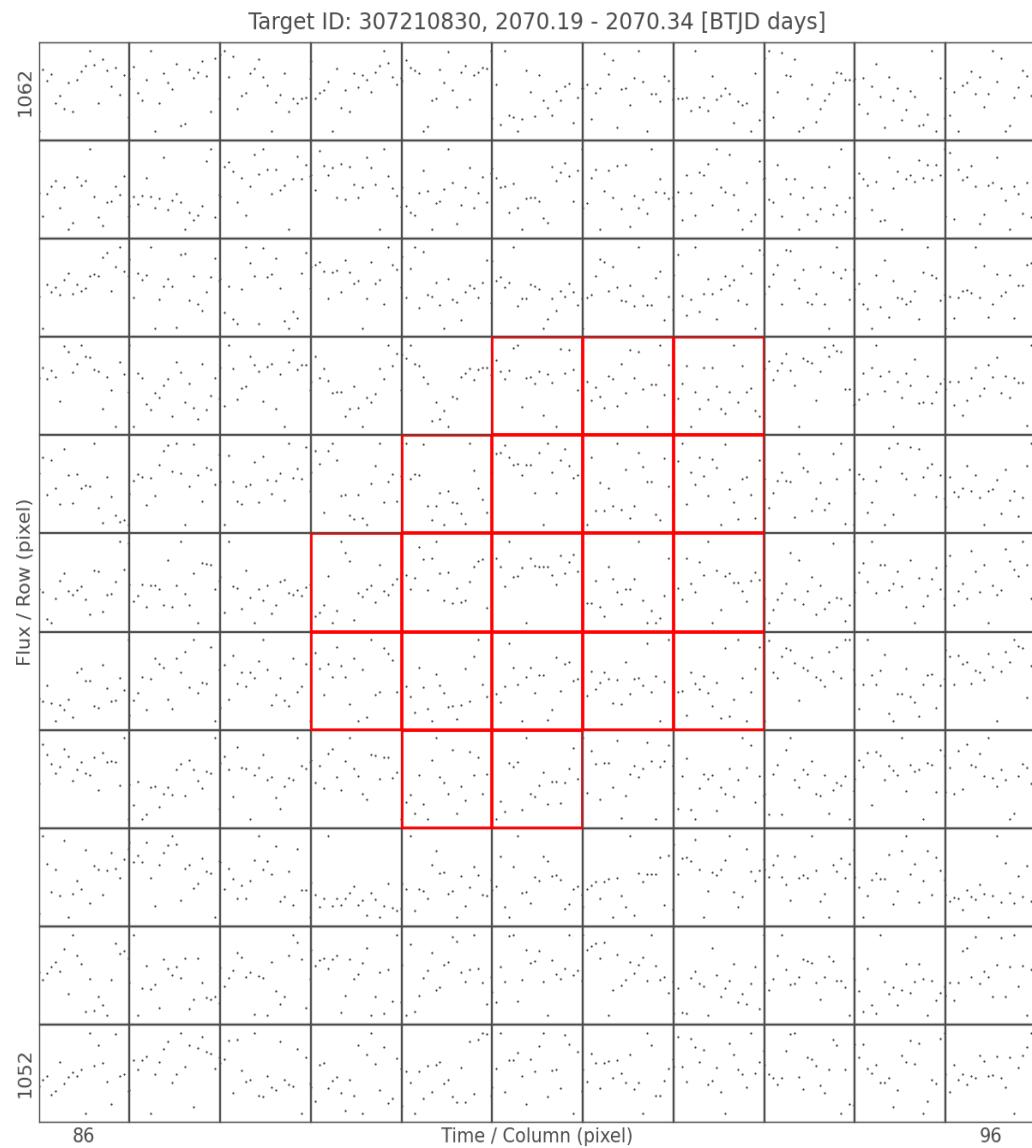
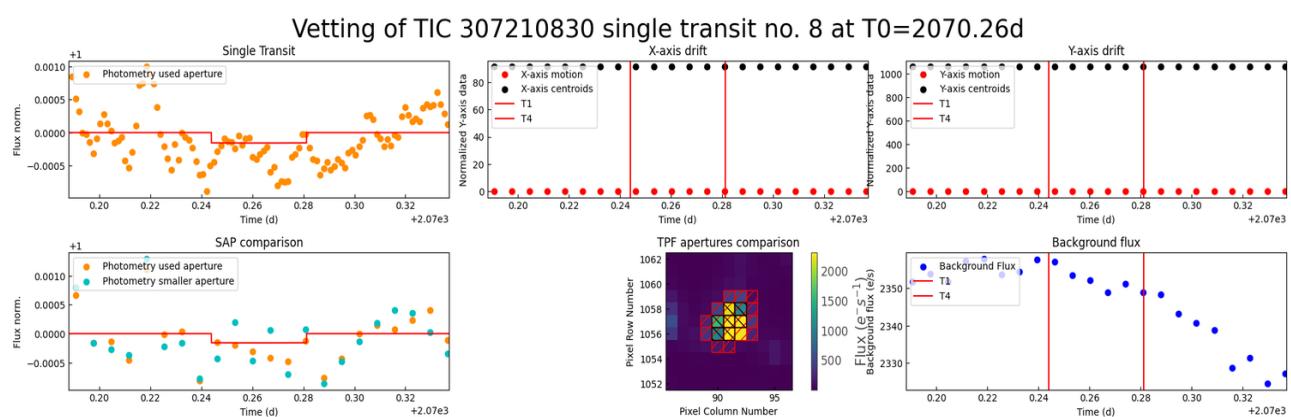


Figure 21: The single transit no. 8 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:25

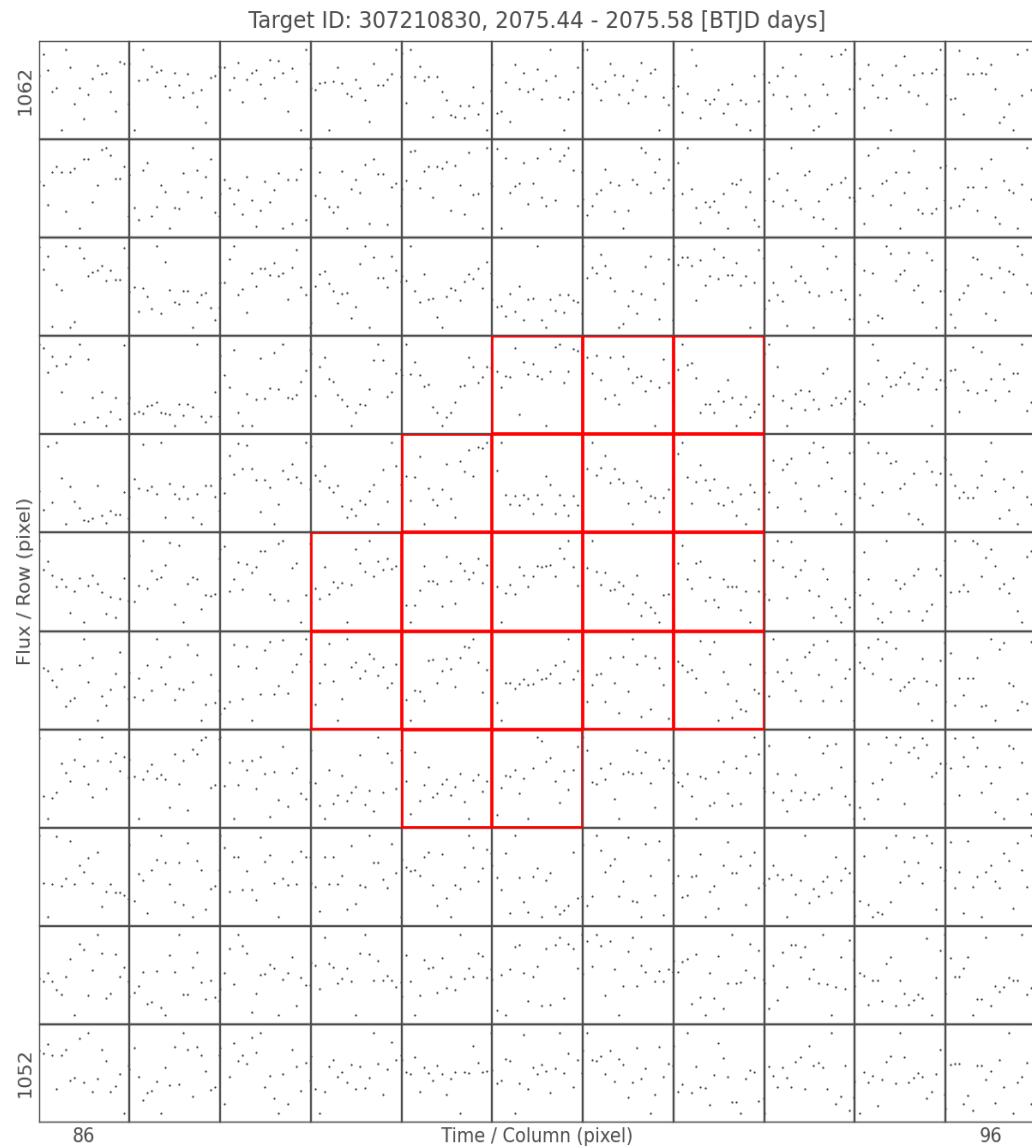
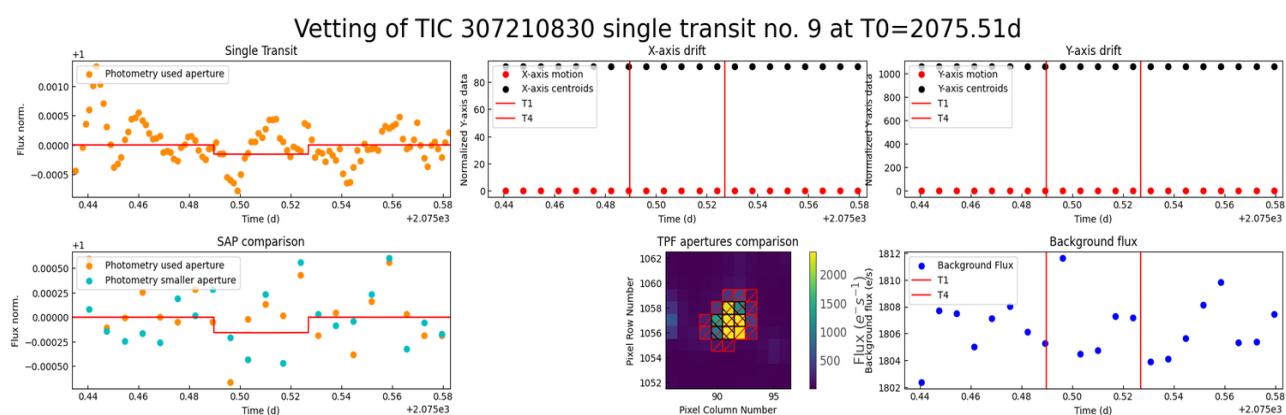


Figure 22: The single transit no. 9 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:25

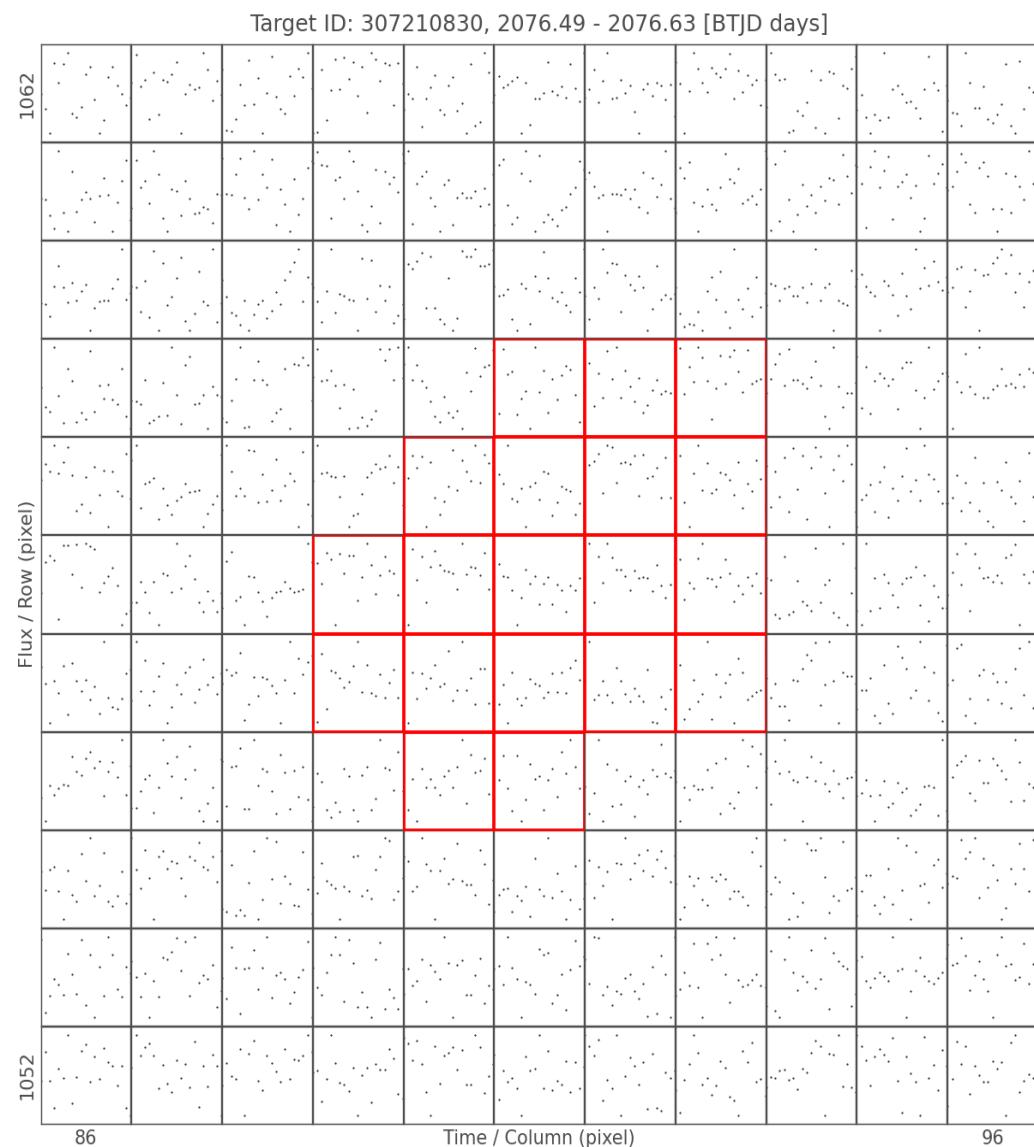
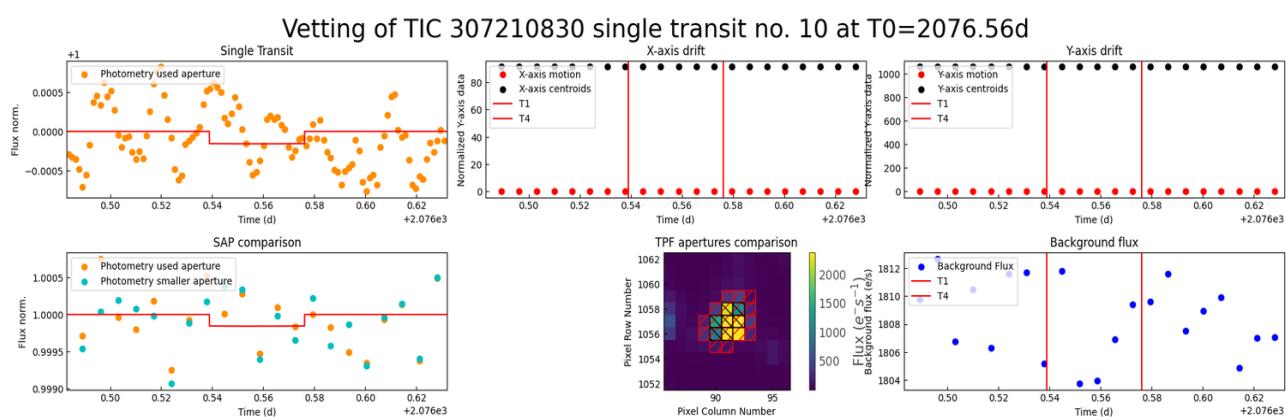
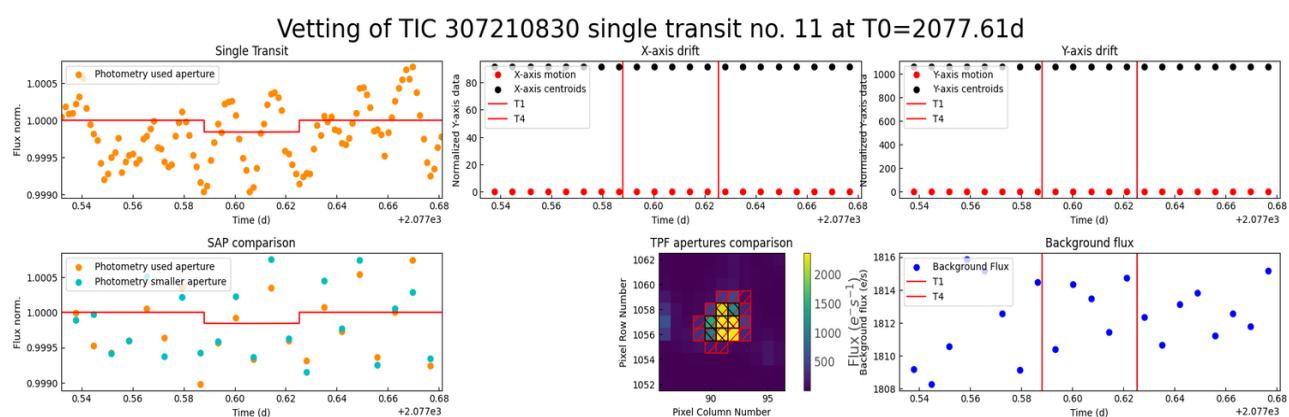


Figure 23: The single transit no. 10 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:25



Target ID: 307210830, 2077.54 - 2077.68 [BTJD days]

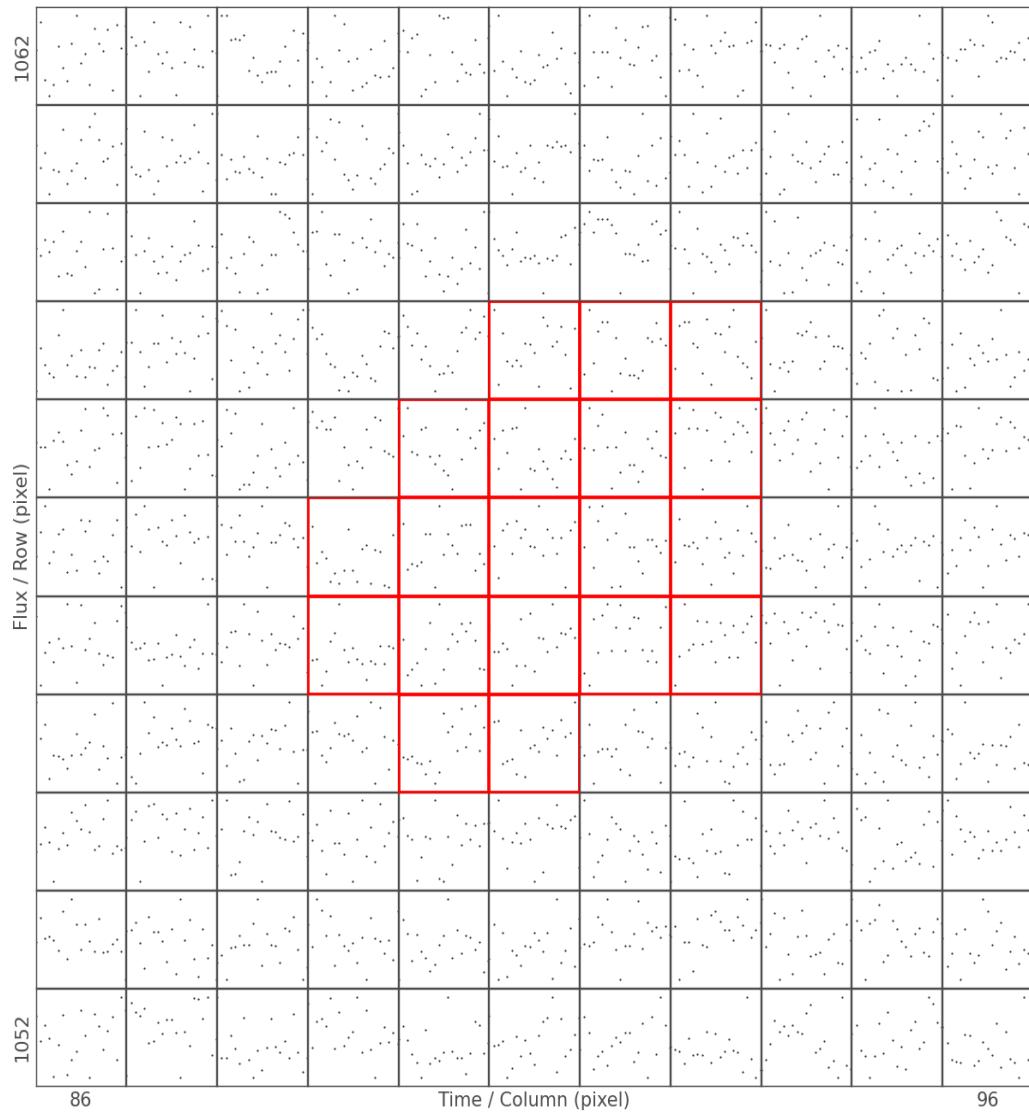


Figure 24: The single transit no. 11 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:25

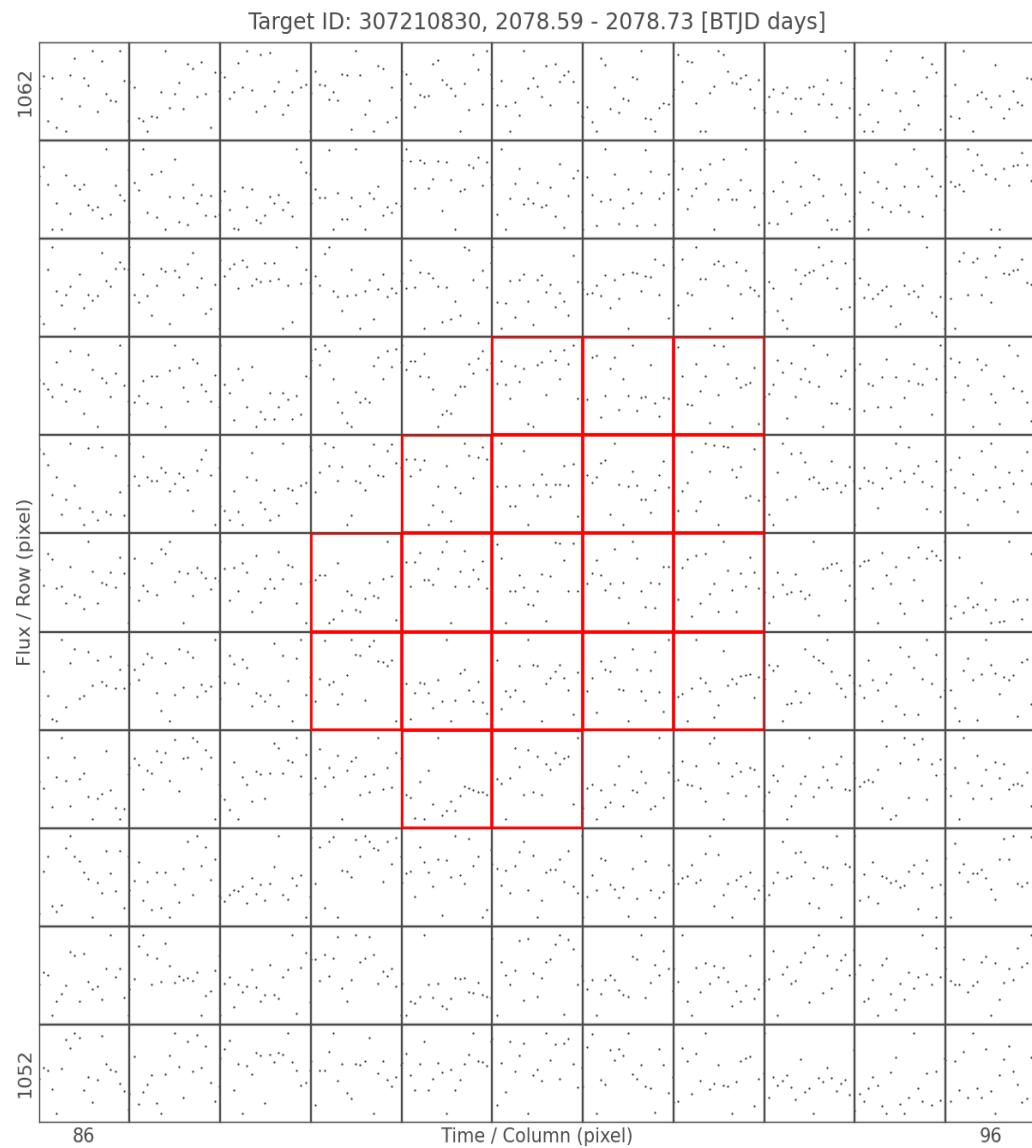
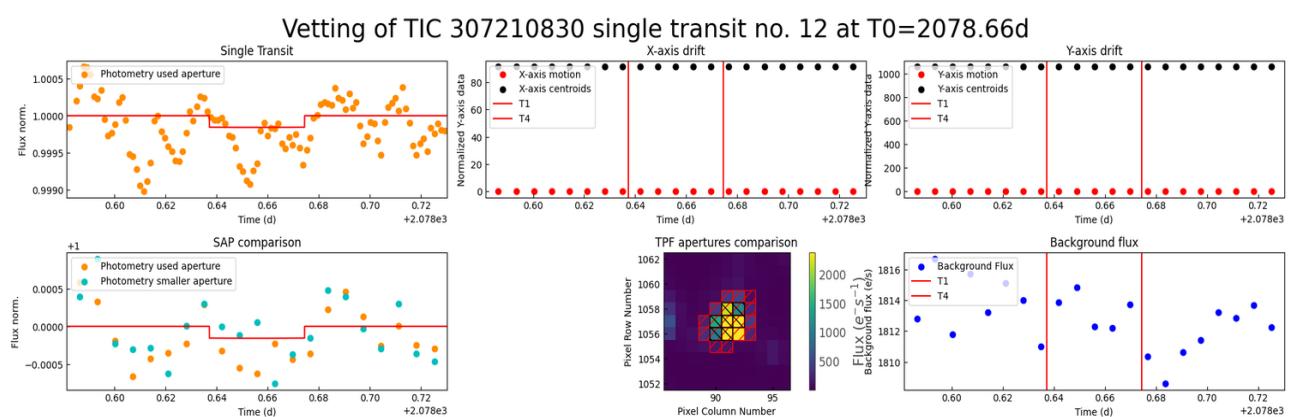
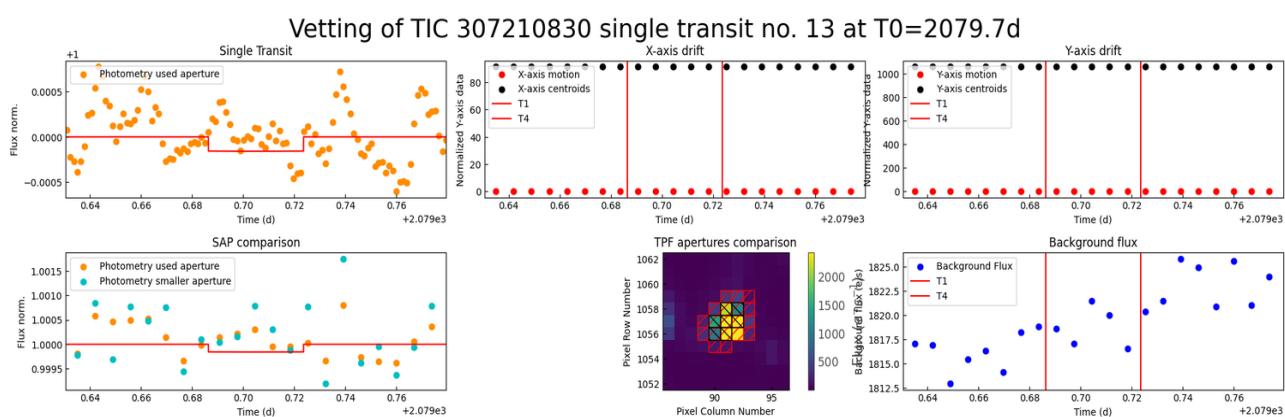


Figure 25: The single transit no. 12 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:25



Target ID: 307210830, 2079.63 - 2079.77 [BTJD days]

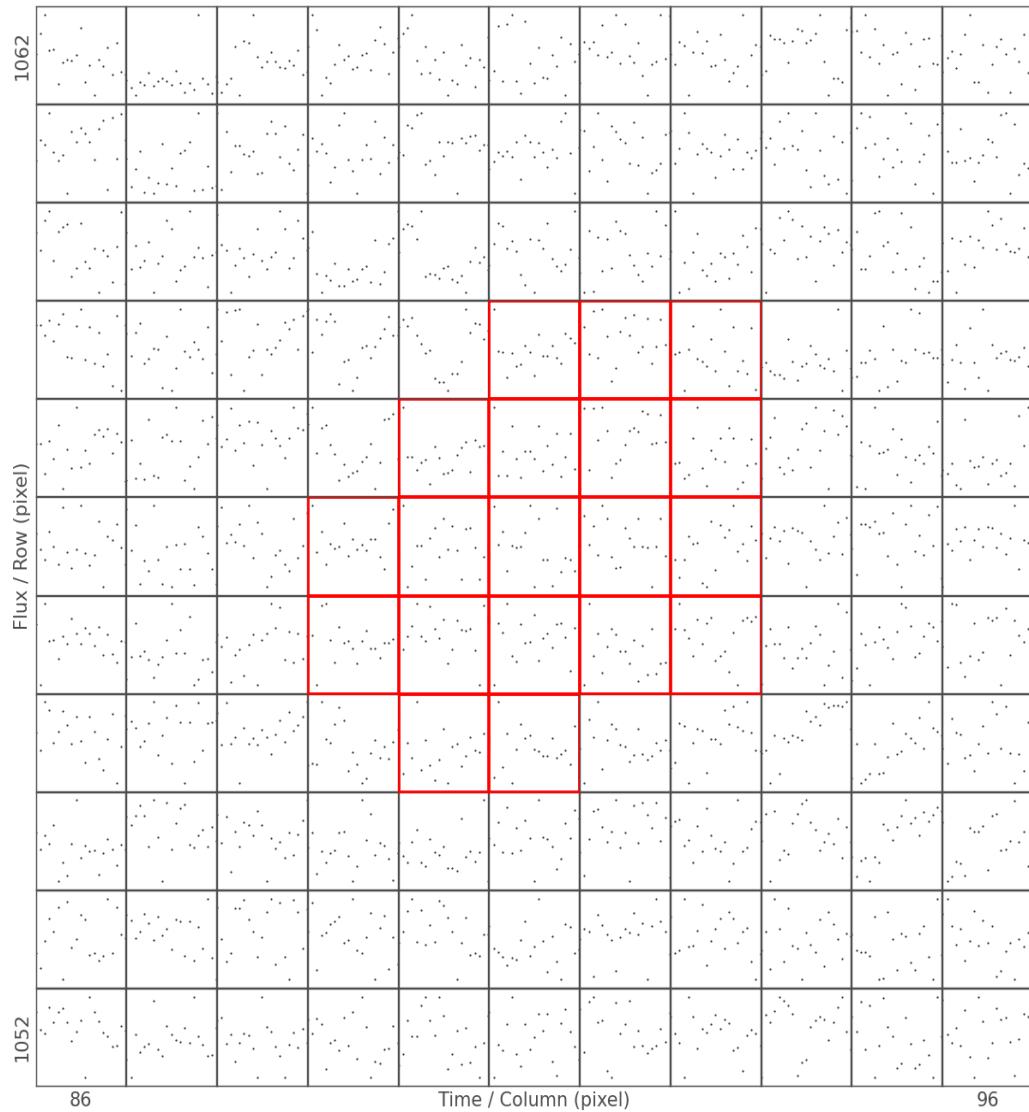


Figure 26: The single transit no. 13 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:25

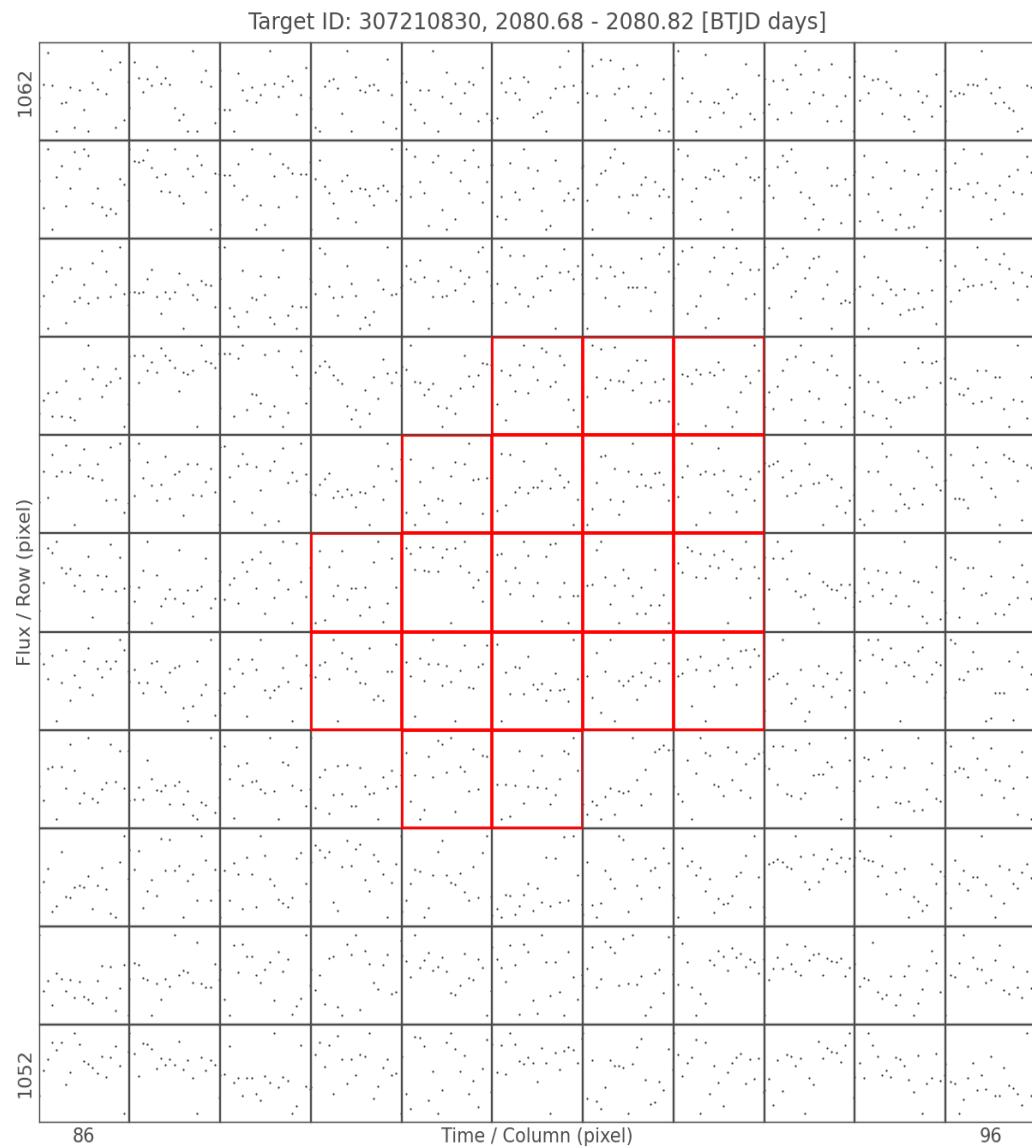
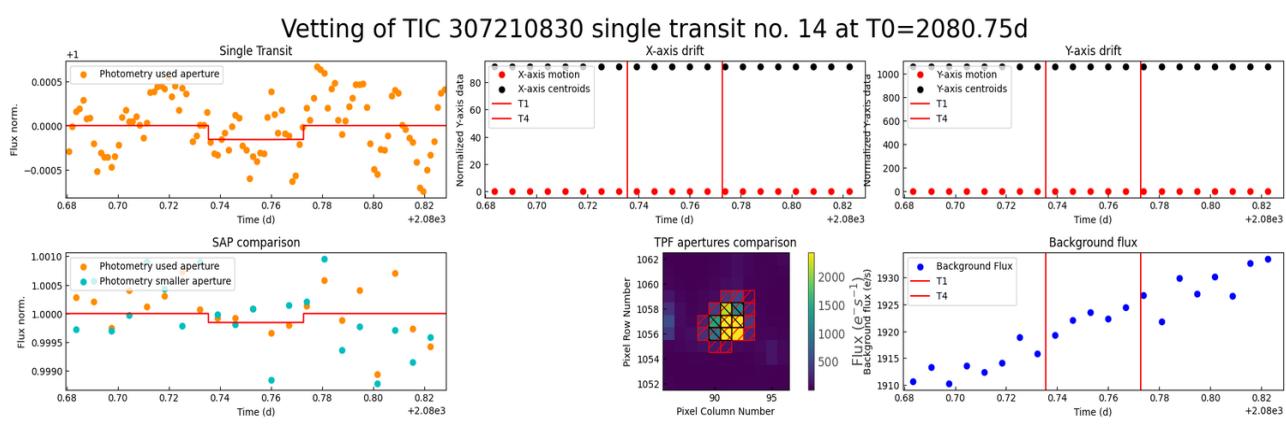


Figure 27: The single transit no. 14 vetting plots

WATSON Transits Validation Report: TIC 307210830

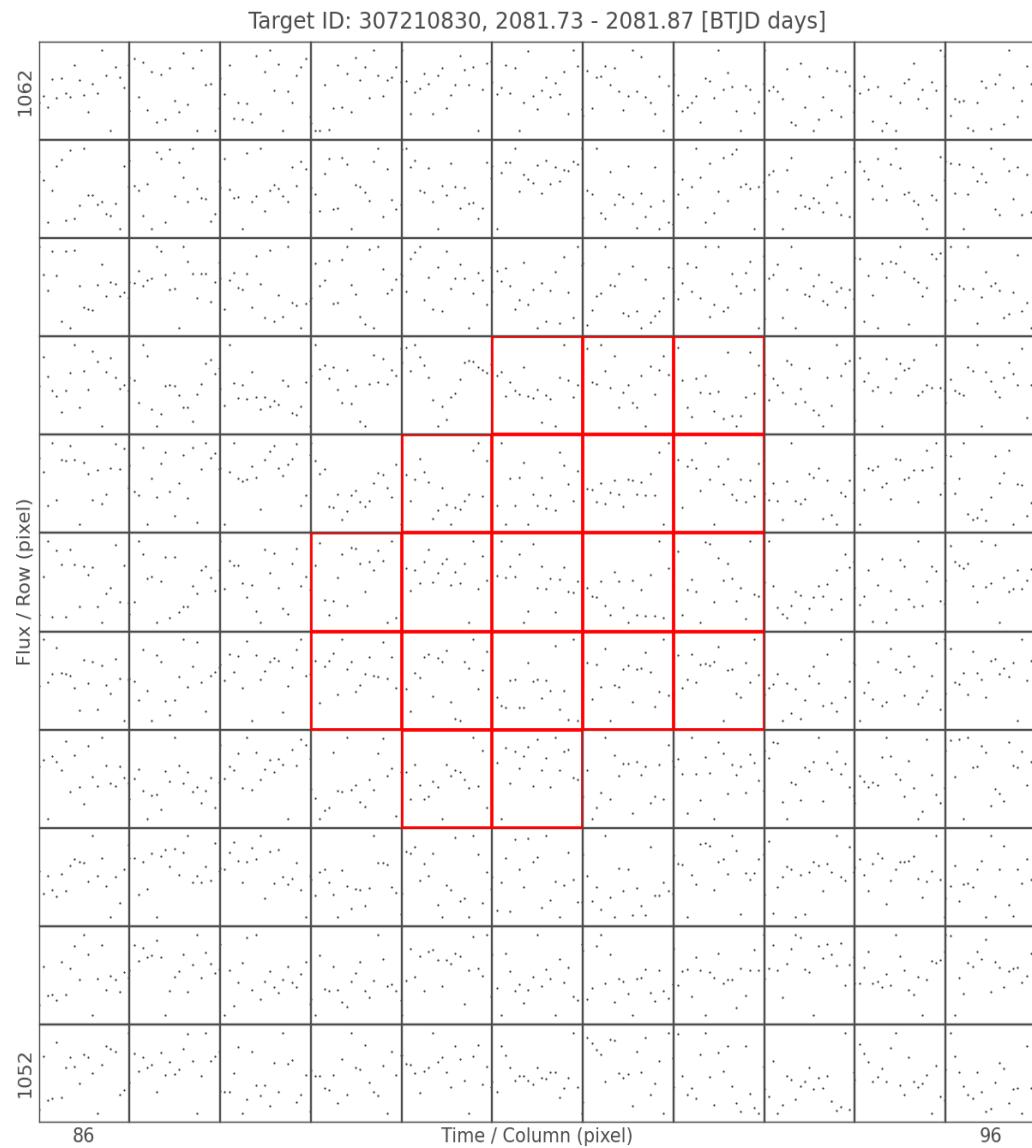
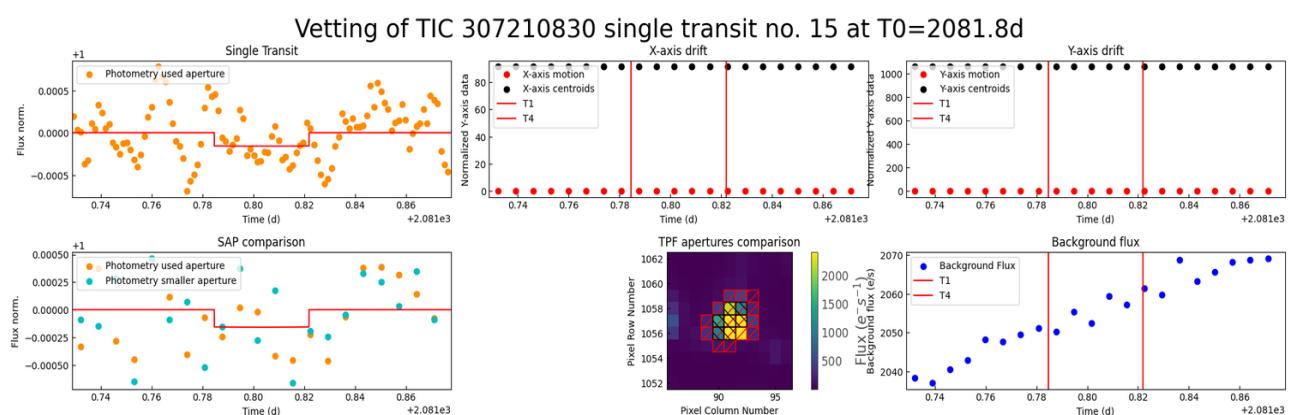
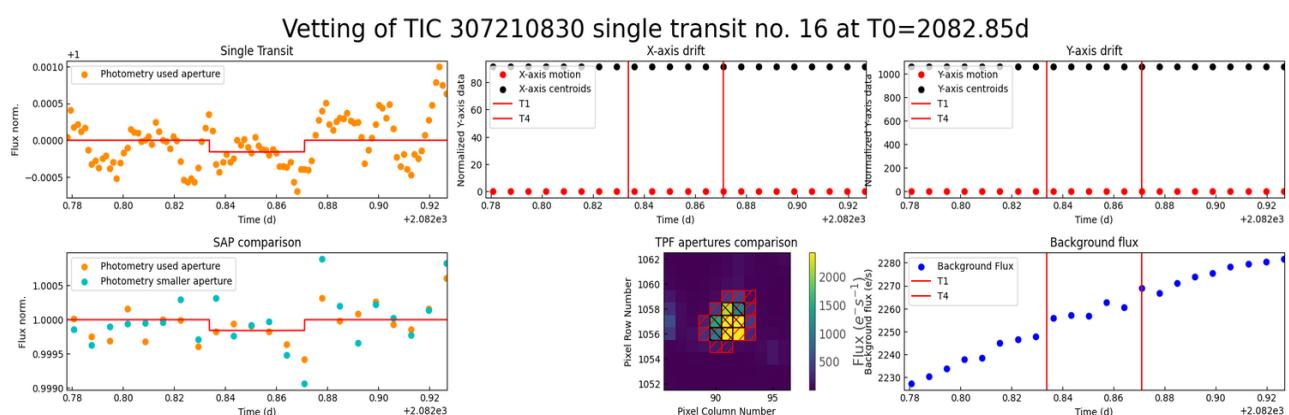


Figure 28: The single transit no. 15 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2082.78 - 2082.93 [BJD days]

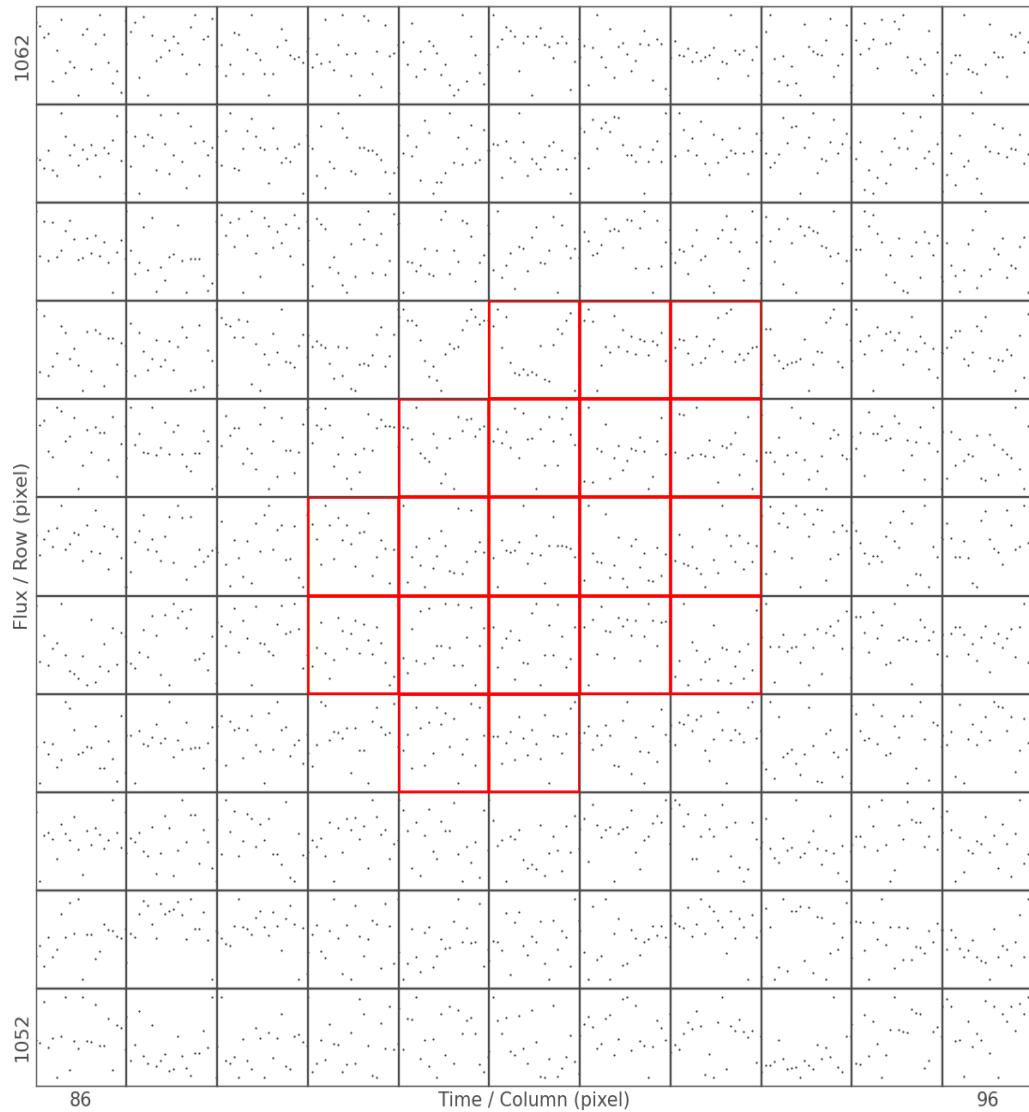


Figure 29: The single transit no. 16 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:26

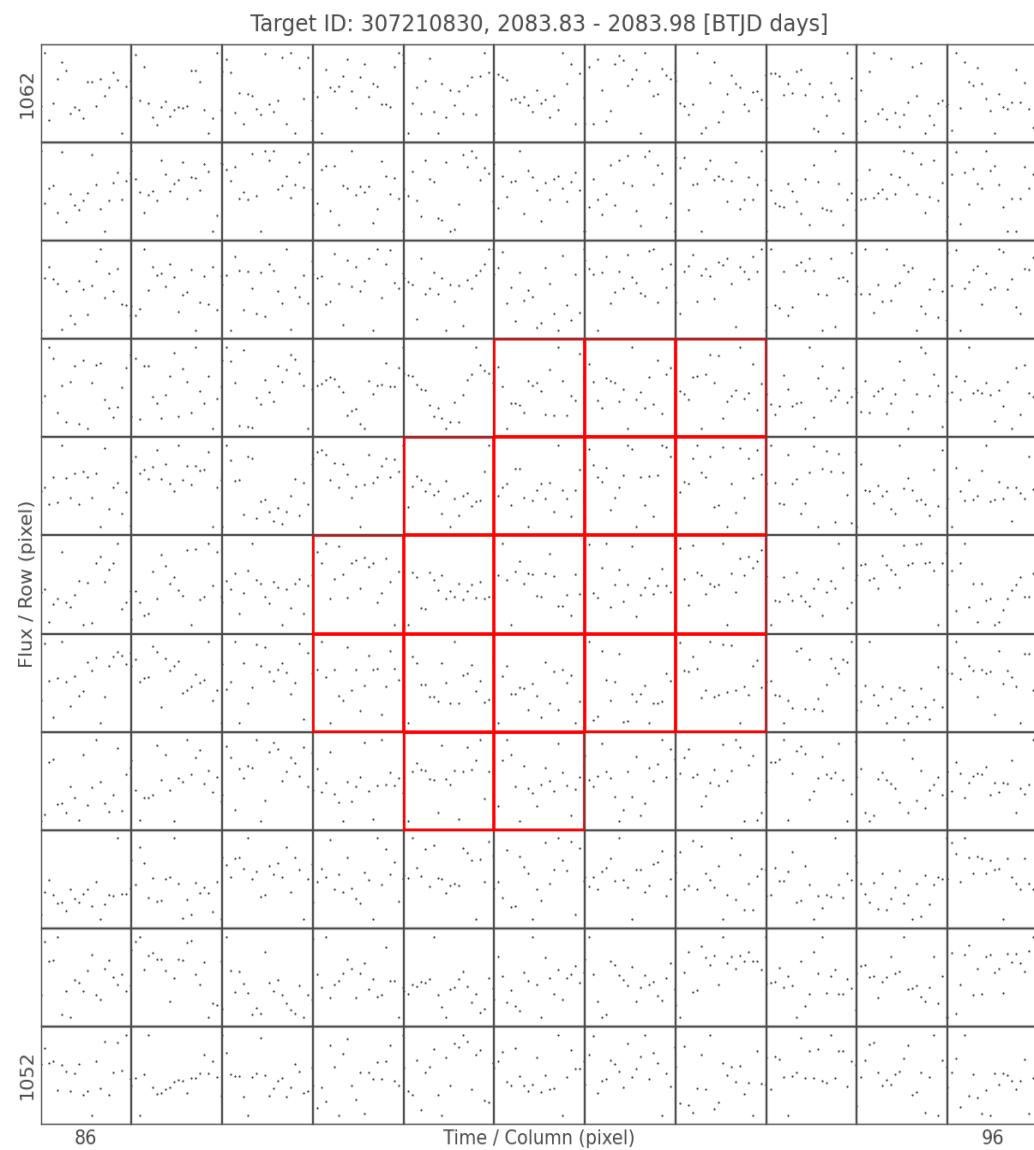
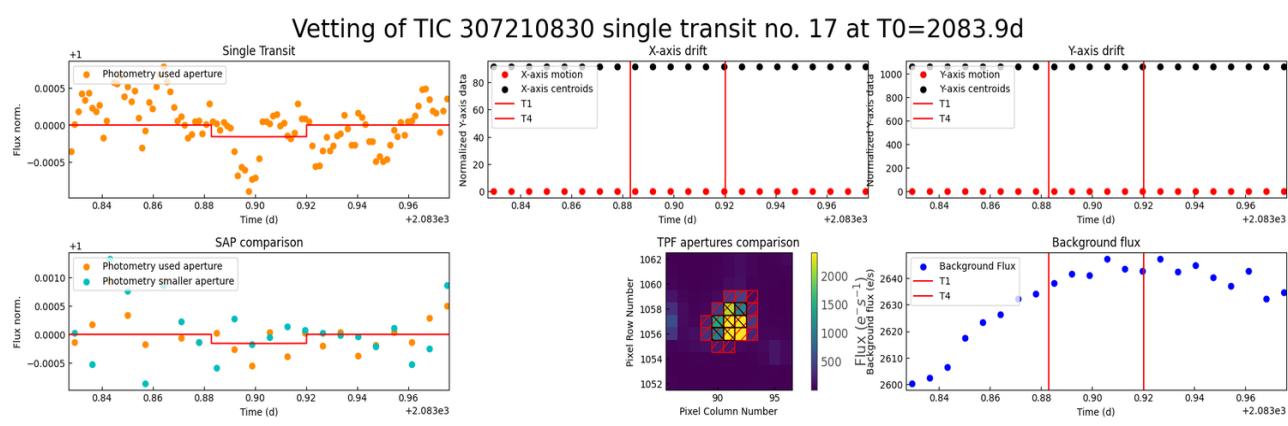


Figure 30: The single transit no. 17 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:26

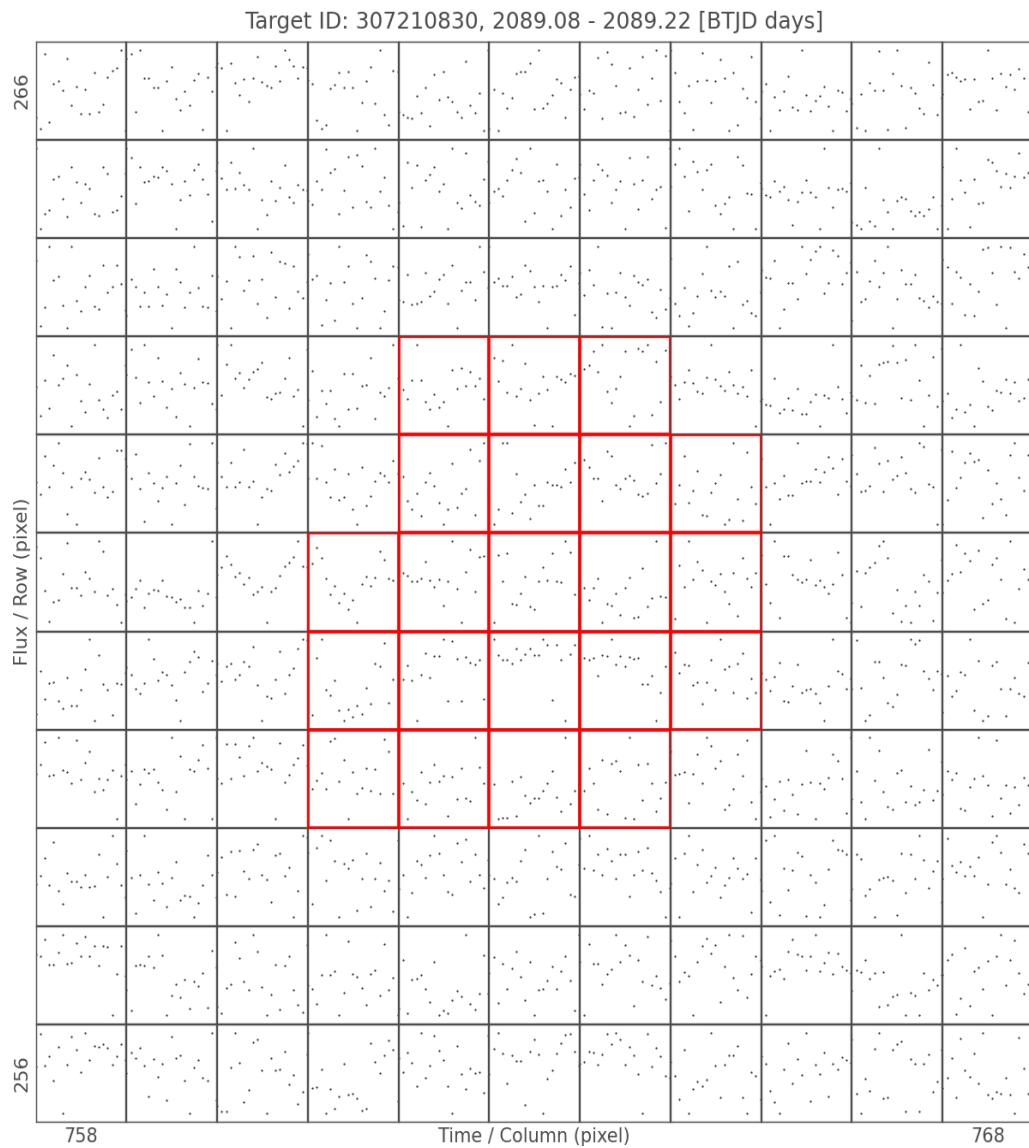
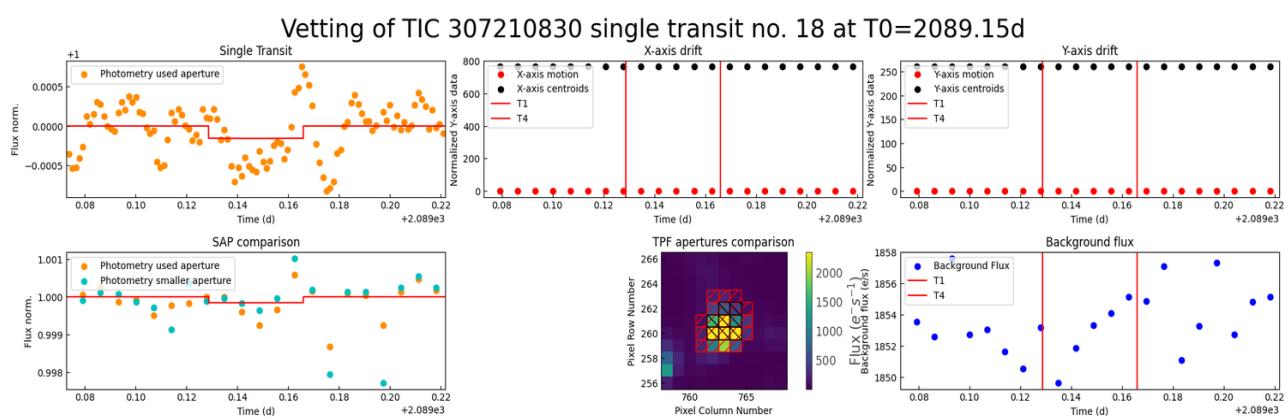


Figure 31: The single transit no. 18 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:26

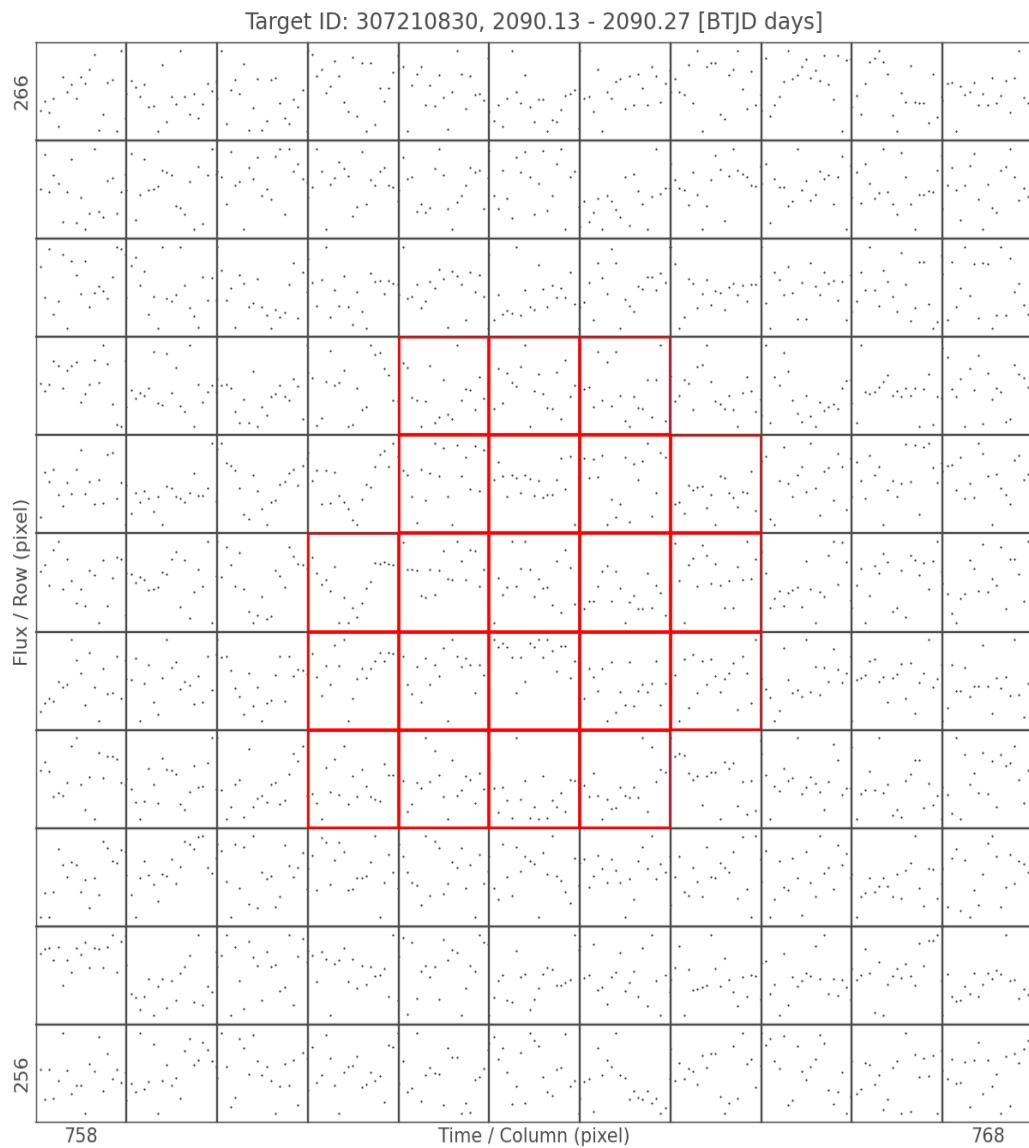
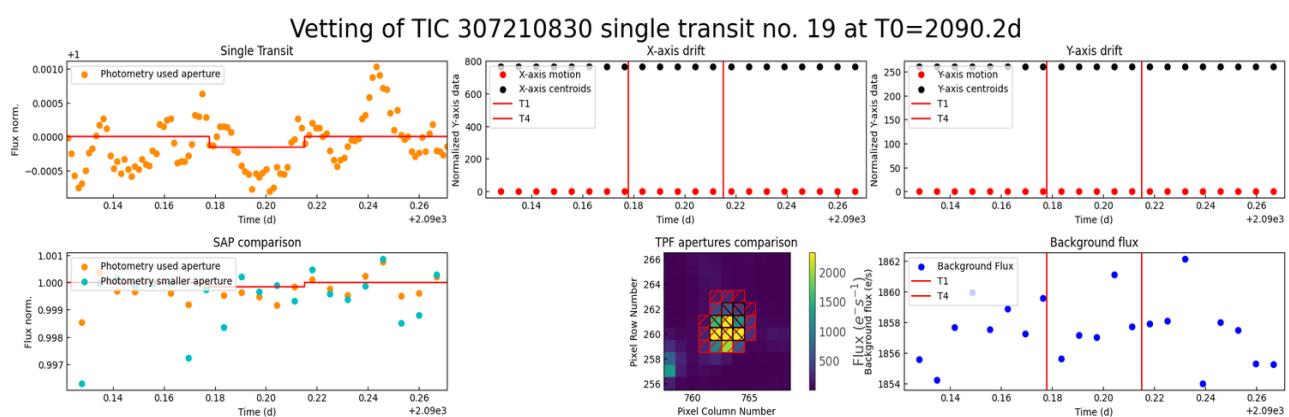
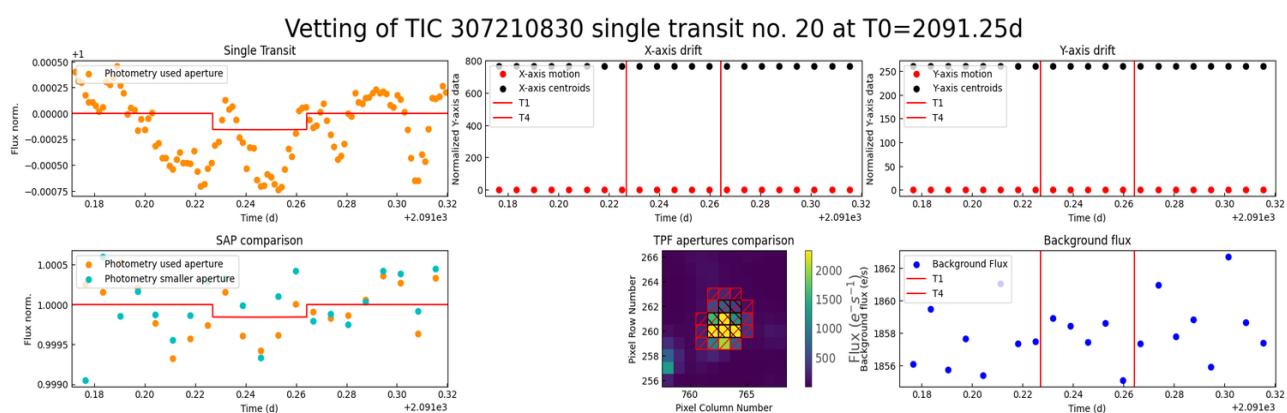


Figure 32: The single transit no. 19 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:27



Target ID: 307210830, 2091.18 - 2091.32 [BTJD days]

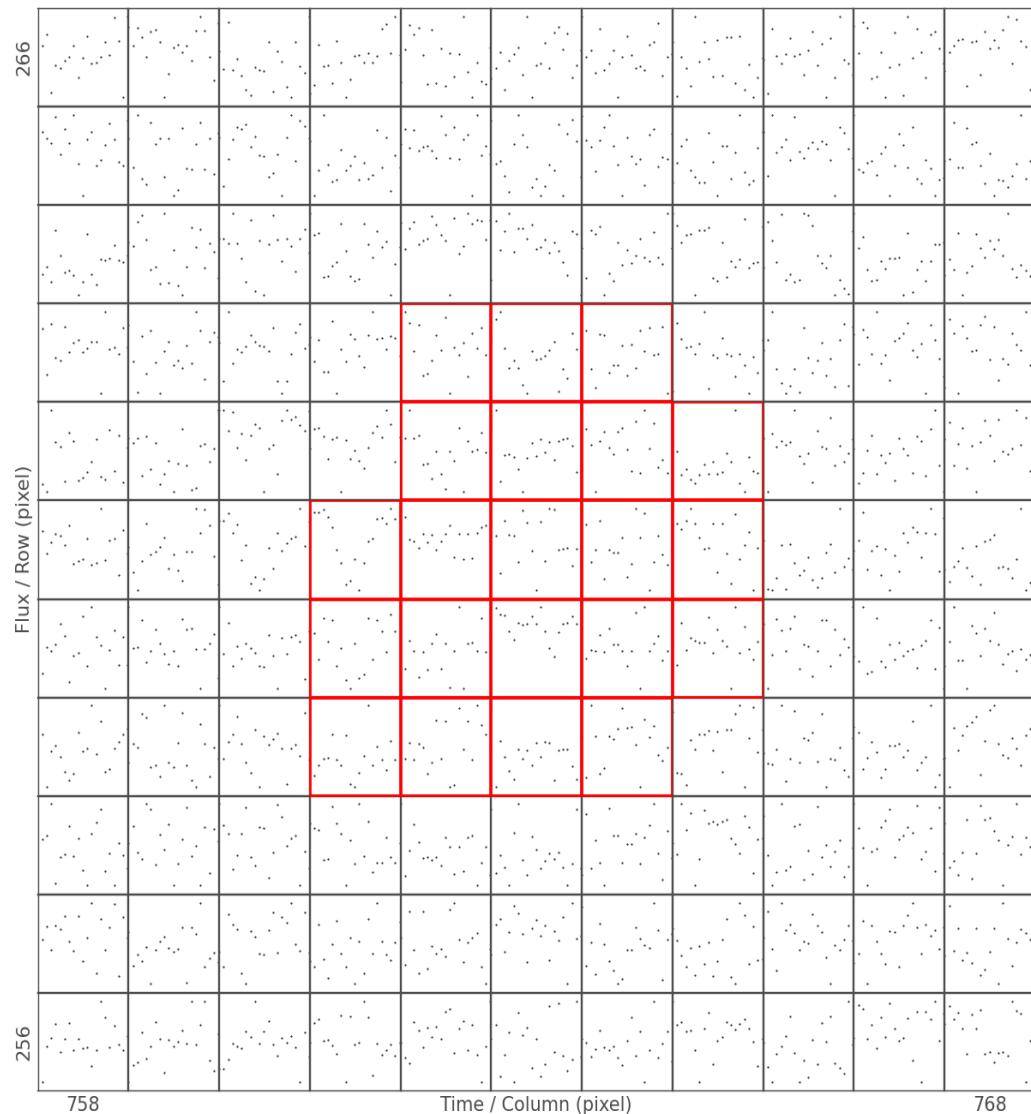


Figure 33: The single transit no. 20 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:27

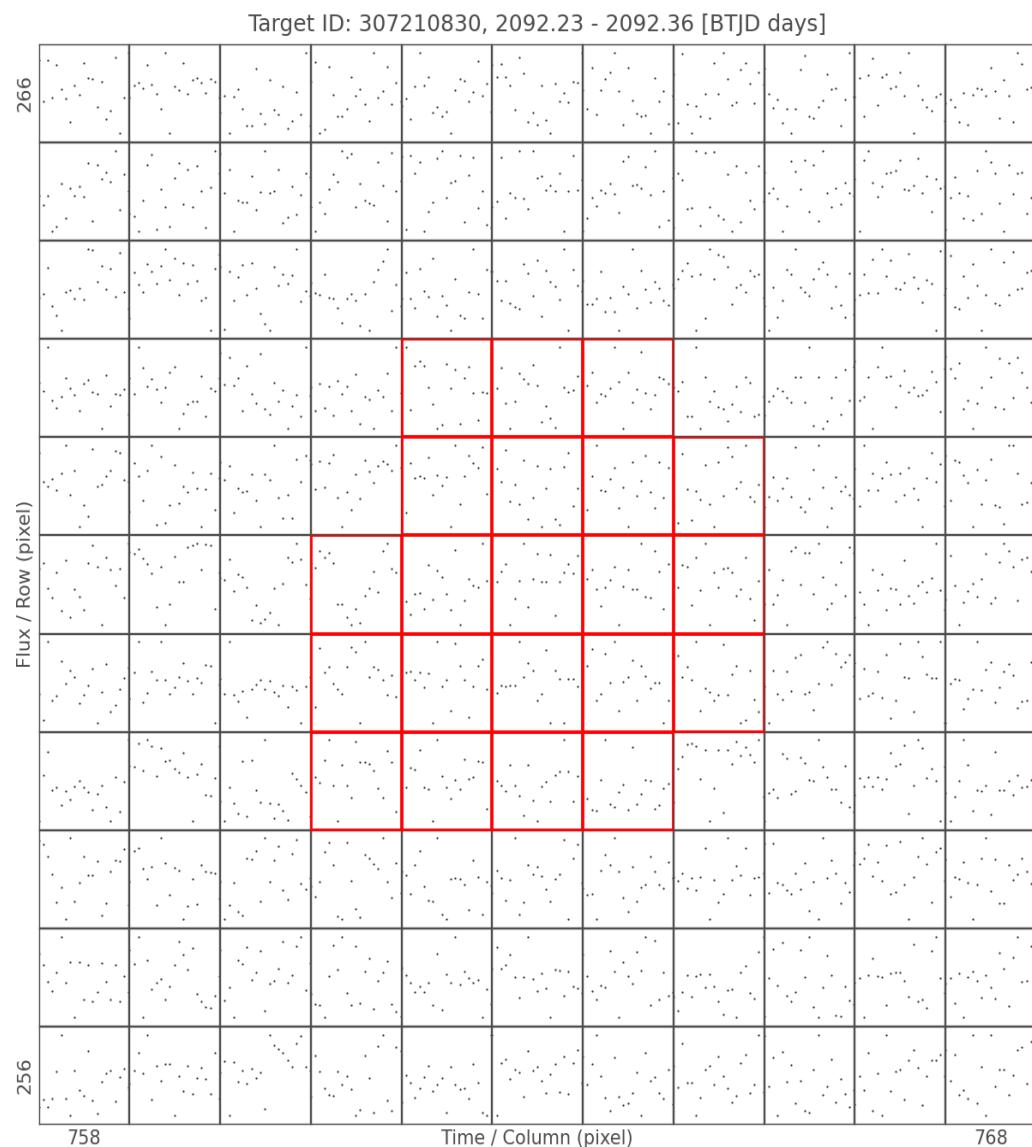
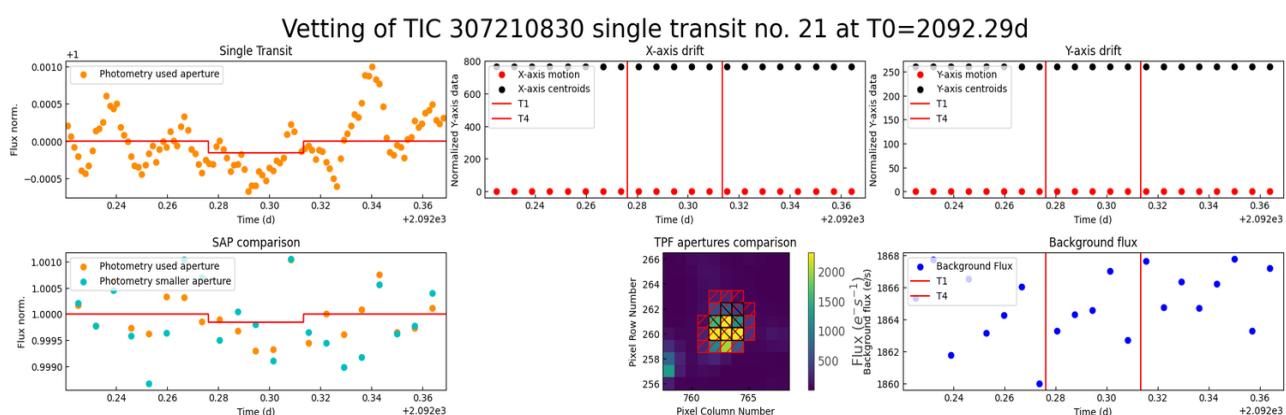


Figure 34: The single transit no. 21 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:27

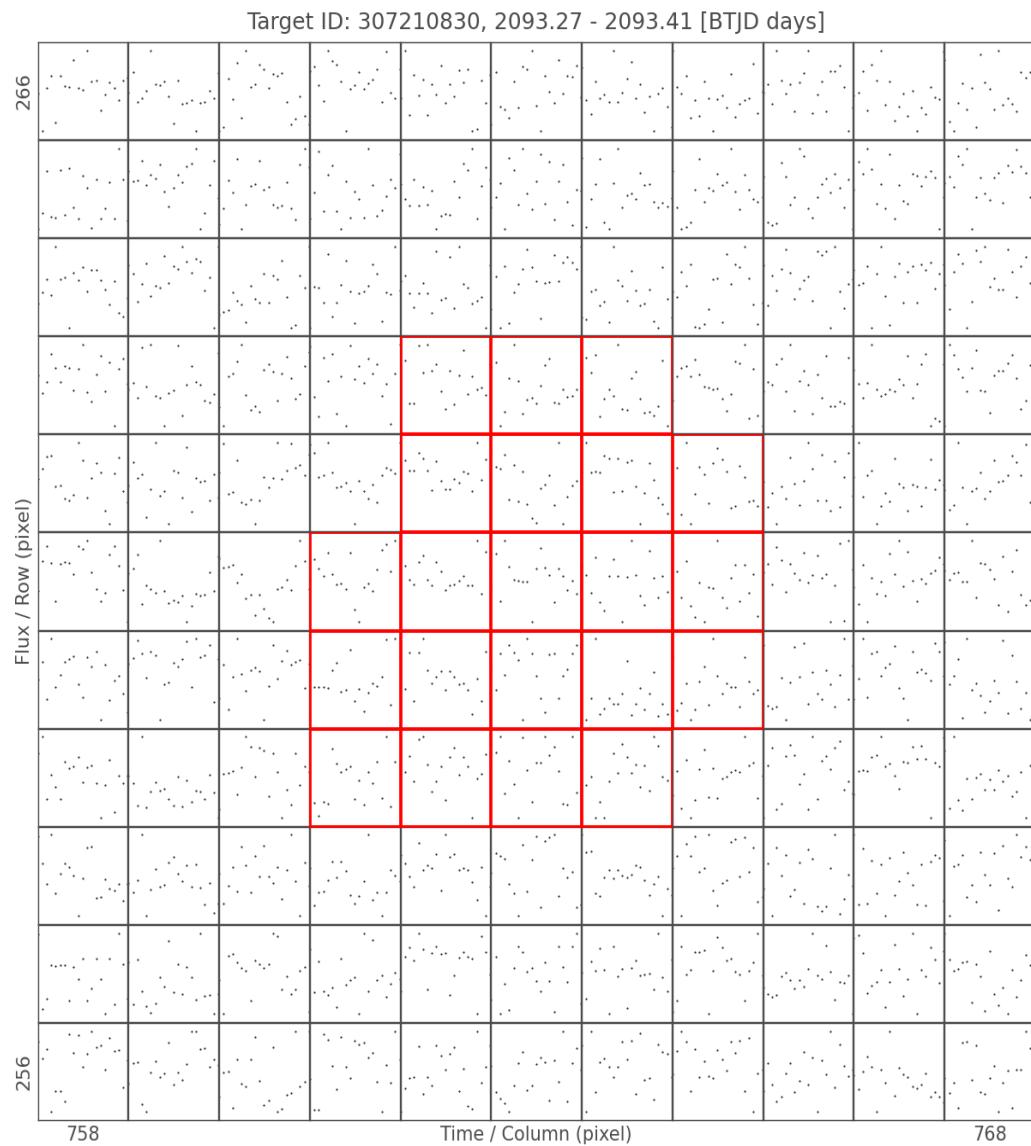
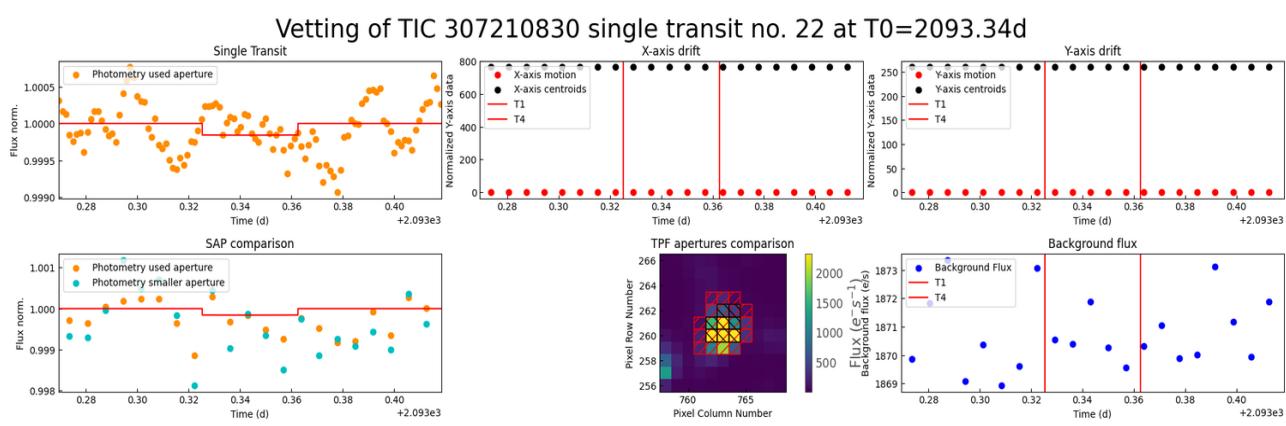


Figure 35: The single transit no. 22 vetting plots

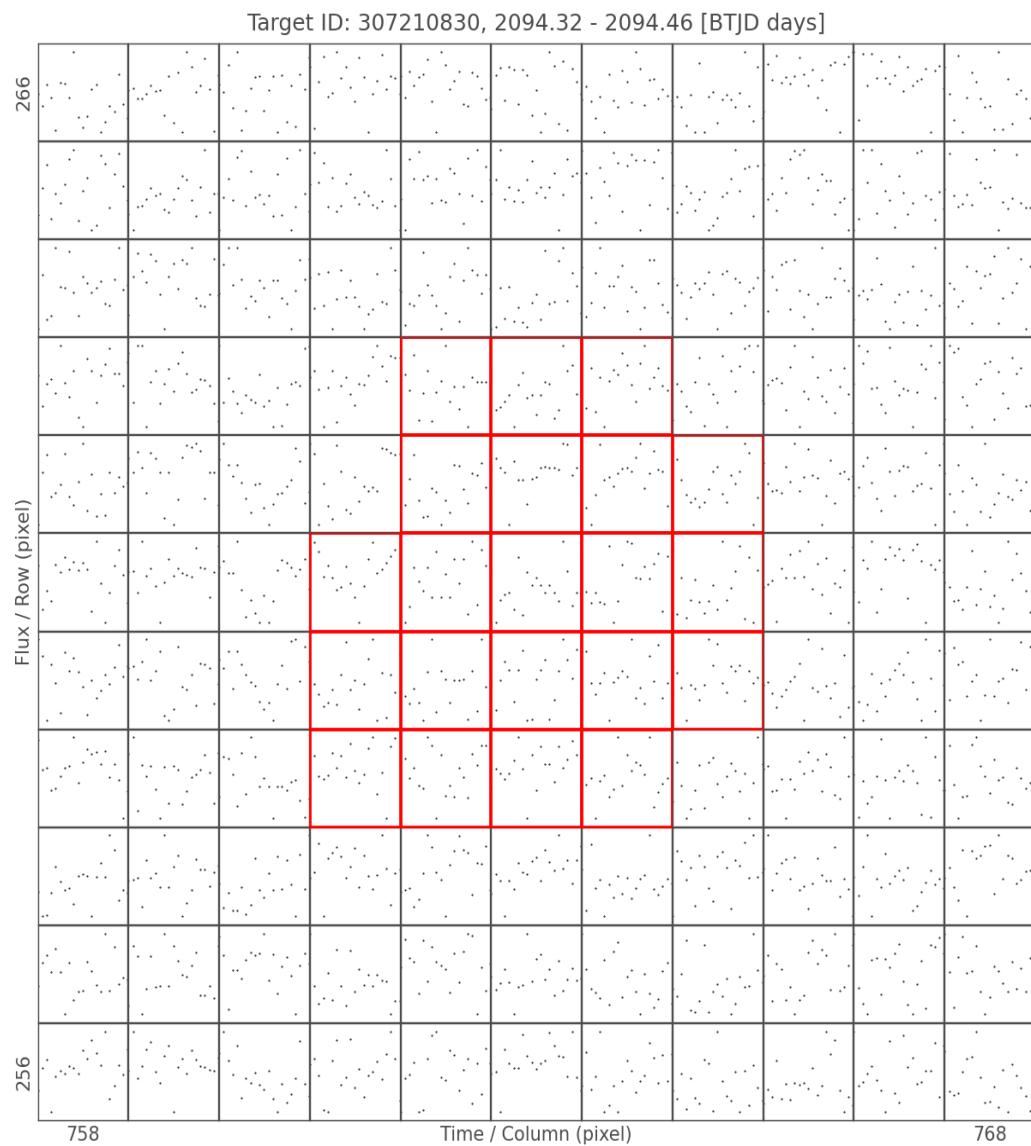
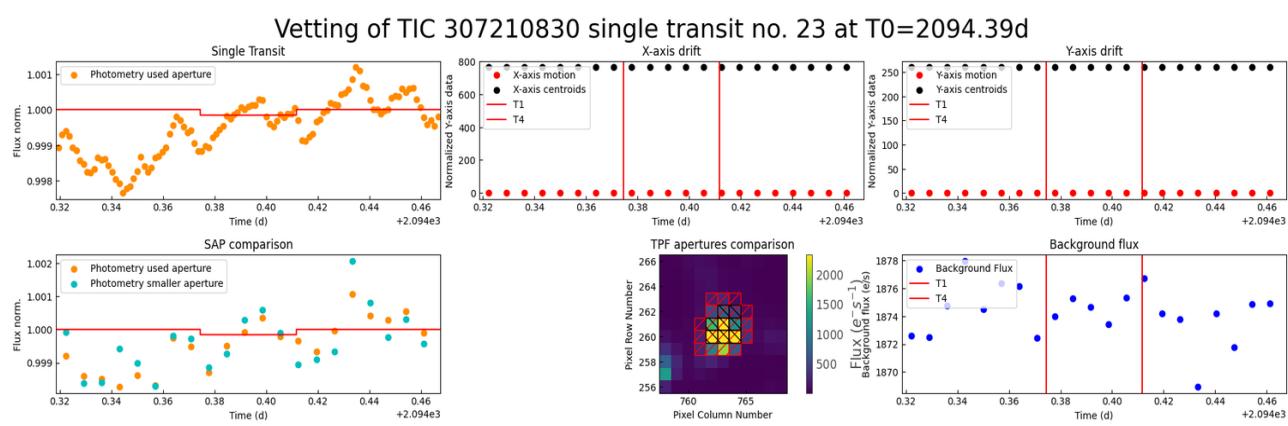


Figure 36: The single transit no. 23 vetting plots

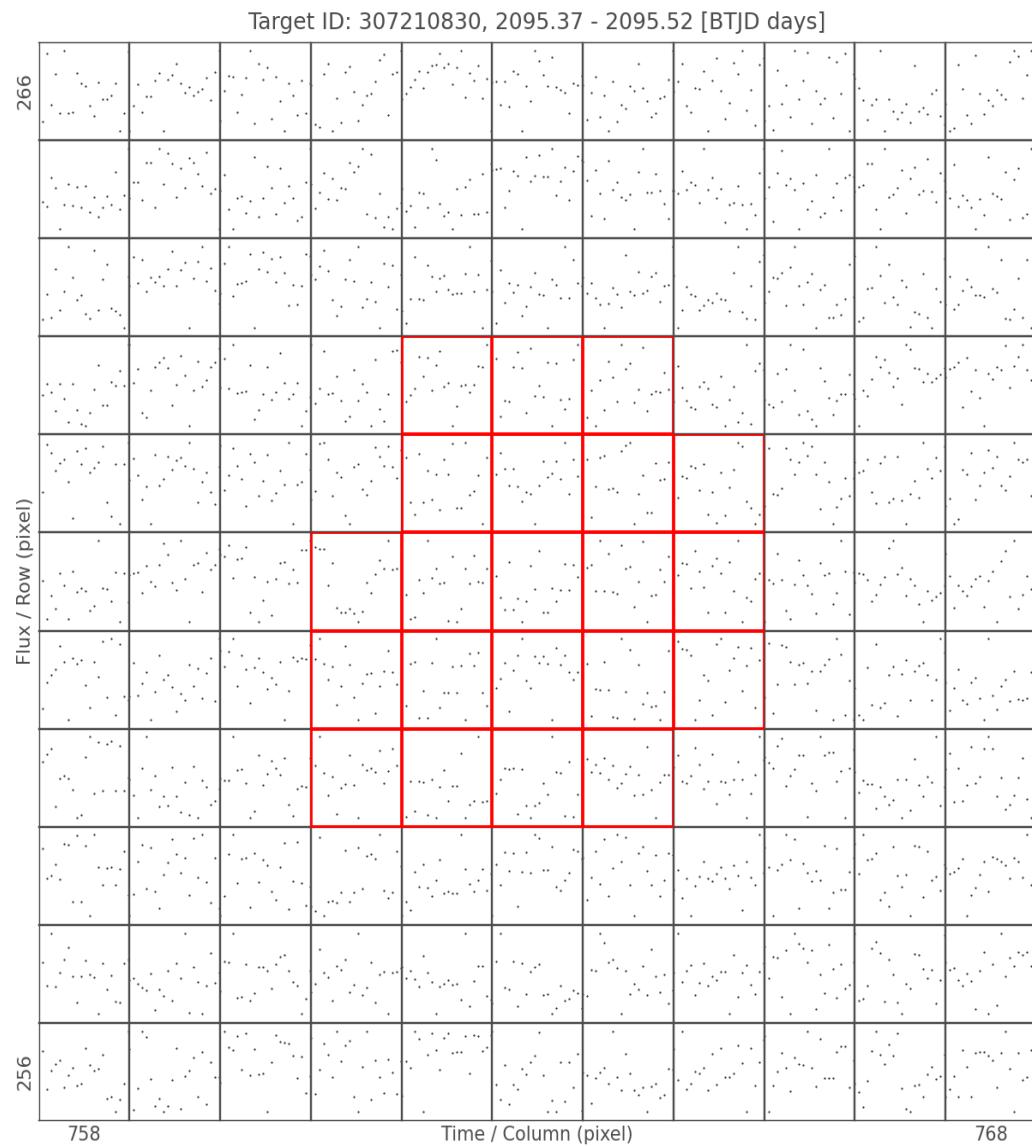
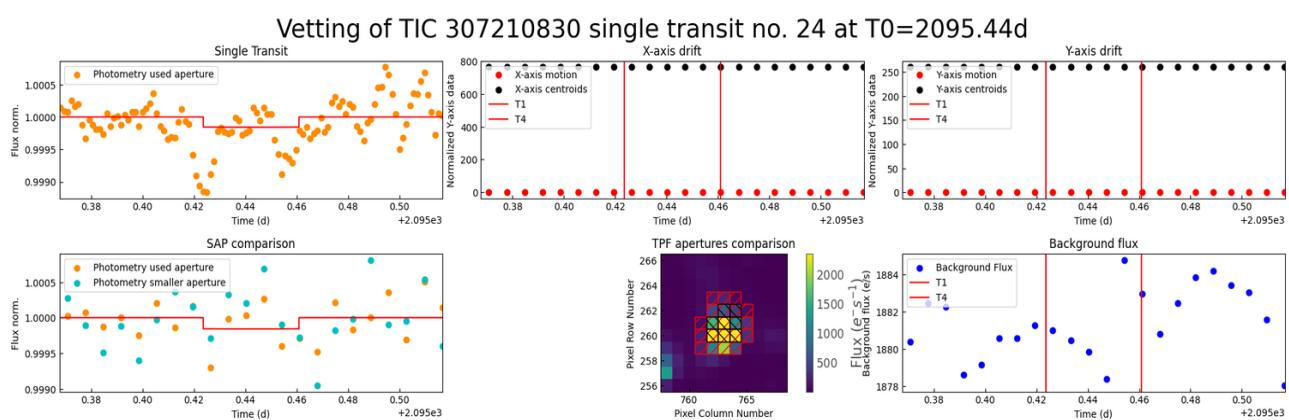


Figure 37: The single transit no. 24 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:28

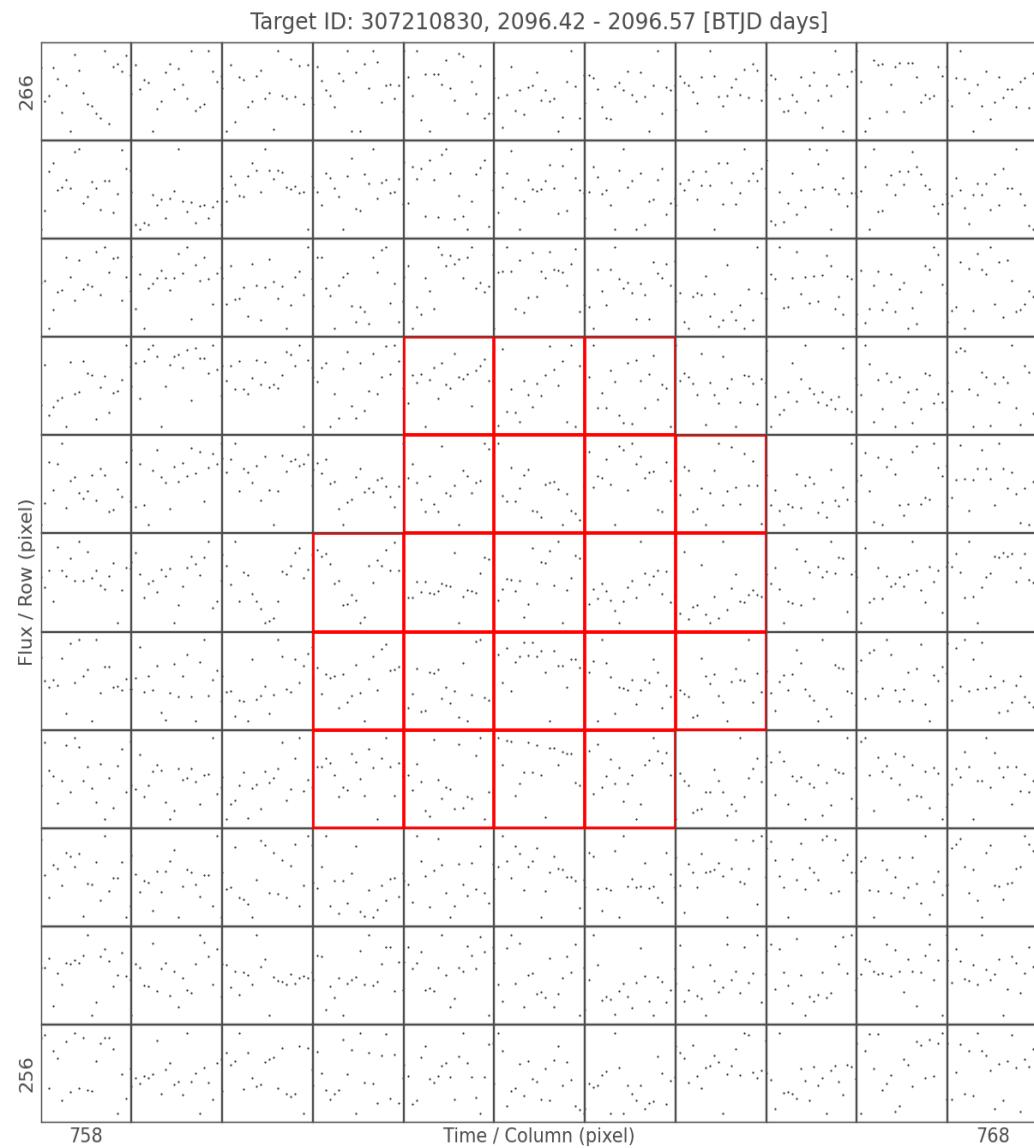
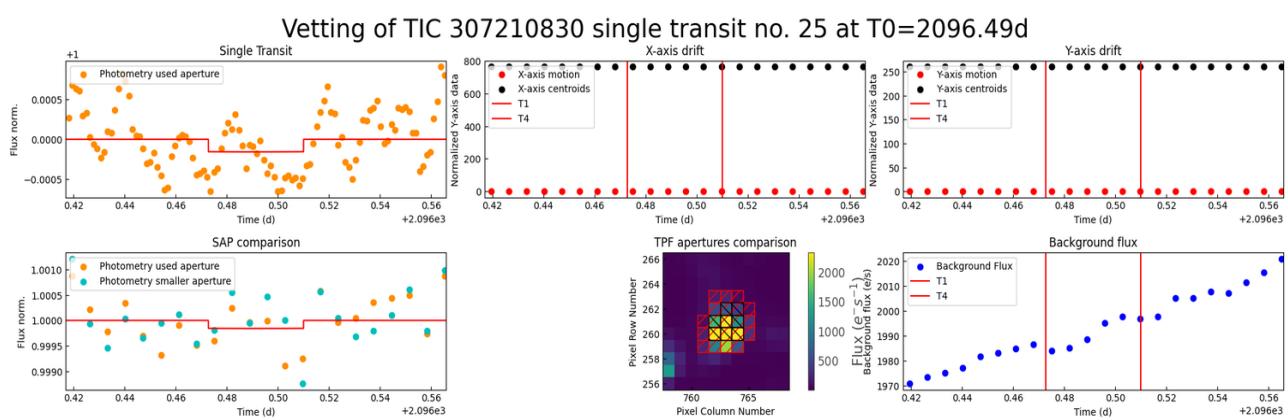


Figure 38: The single transit no. 25 vetting plots

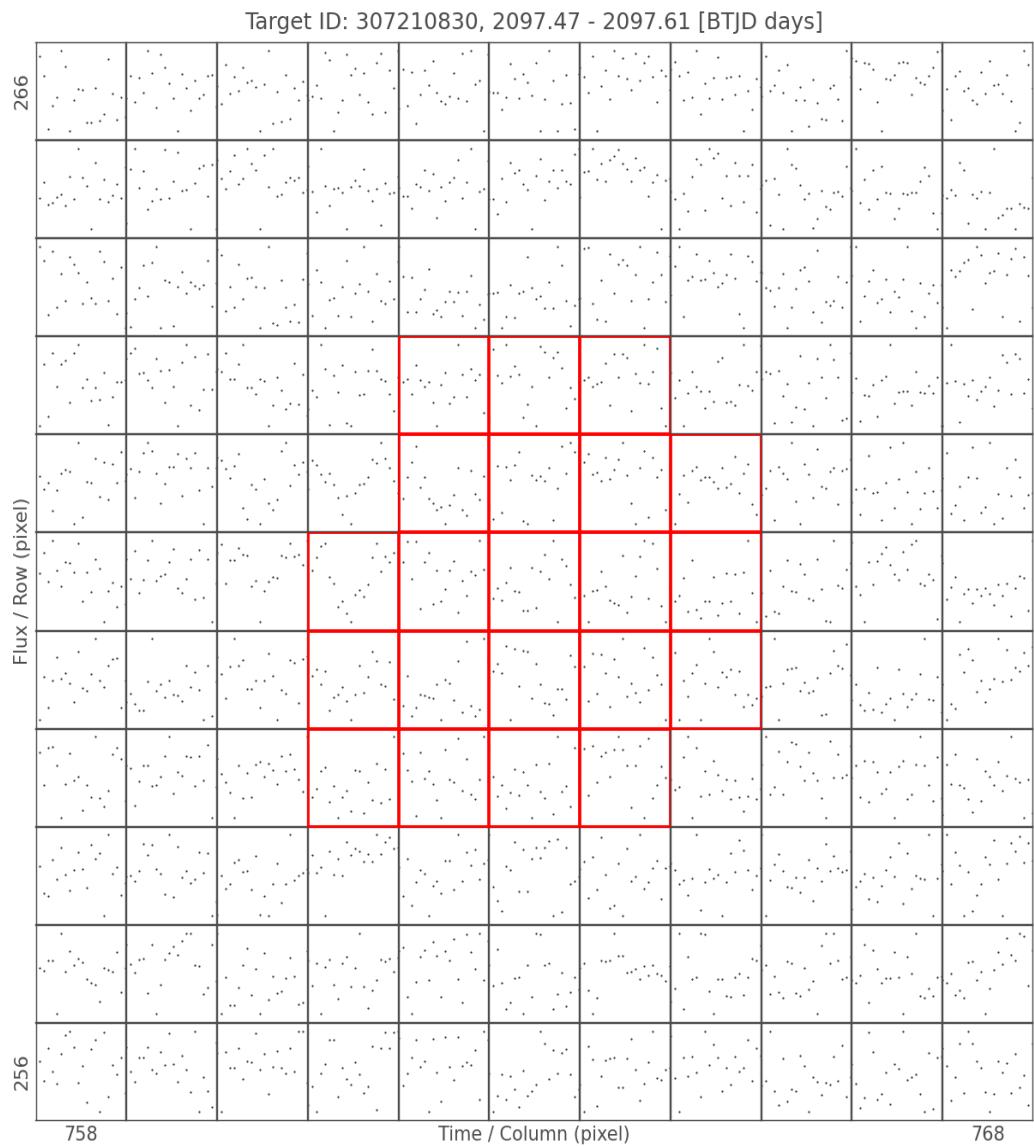
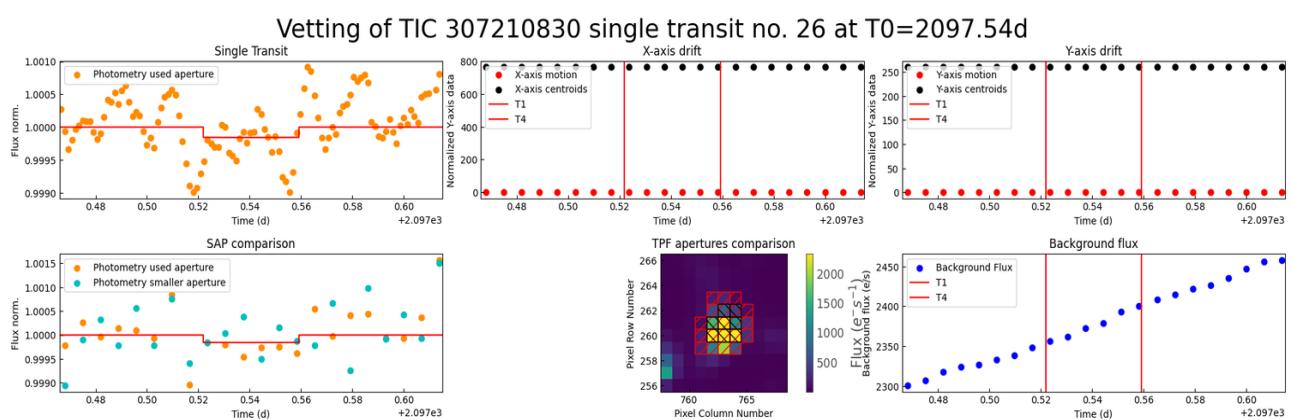


Figure 39: The single transit no. 26 vetting plots

WATSON Transits Validation Report: TIC 307210830

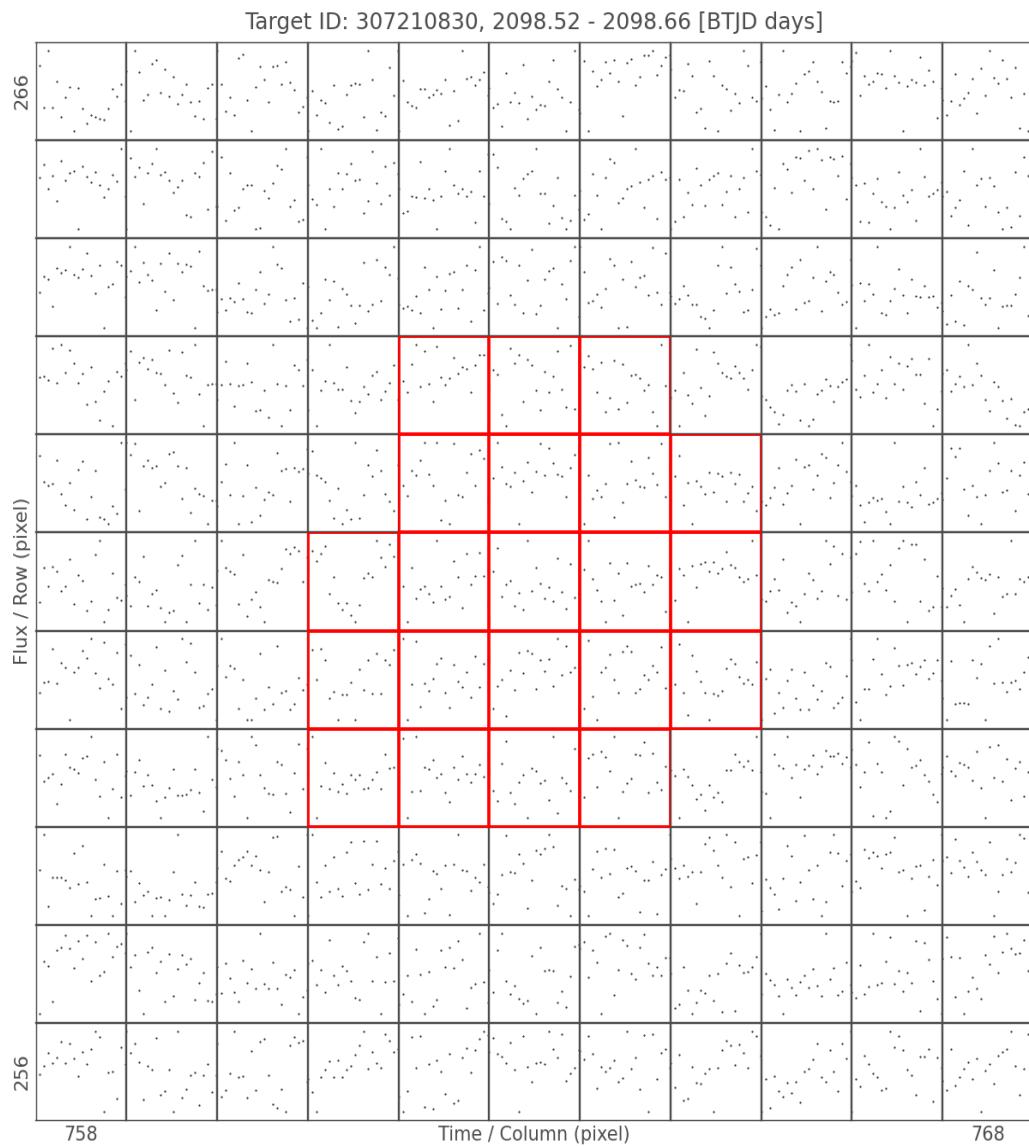
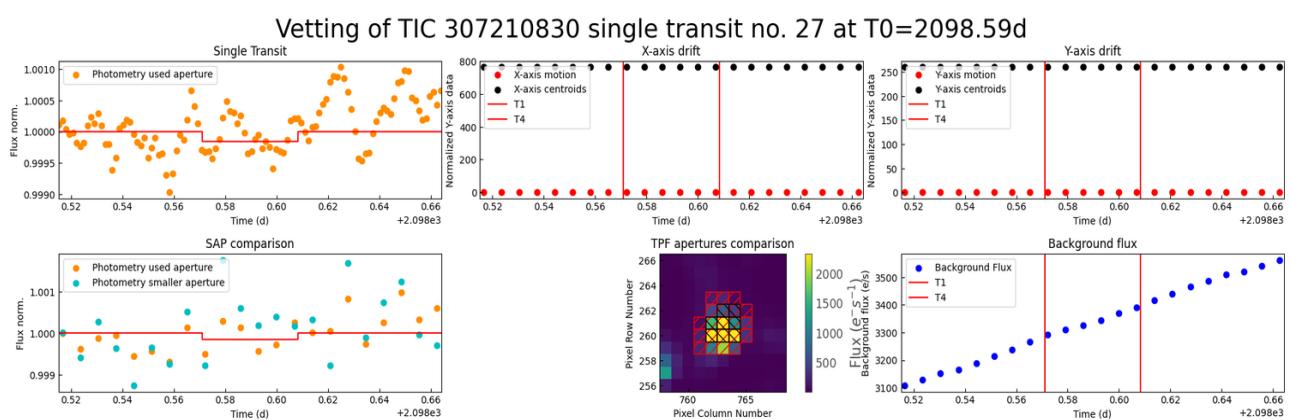


Figure 40: The single transit no. 27 vetting plots

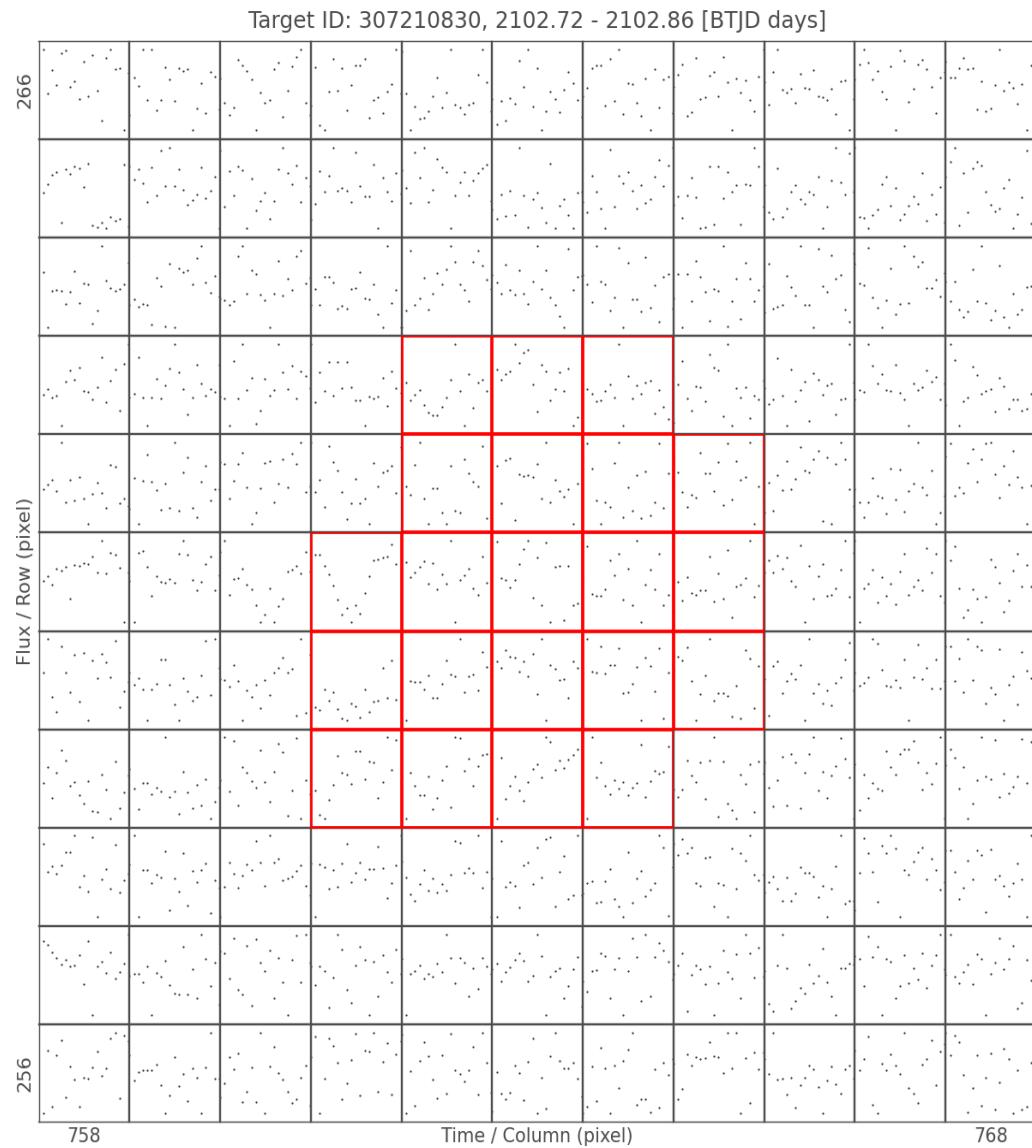
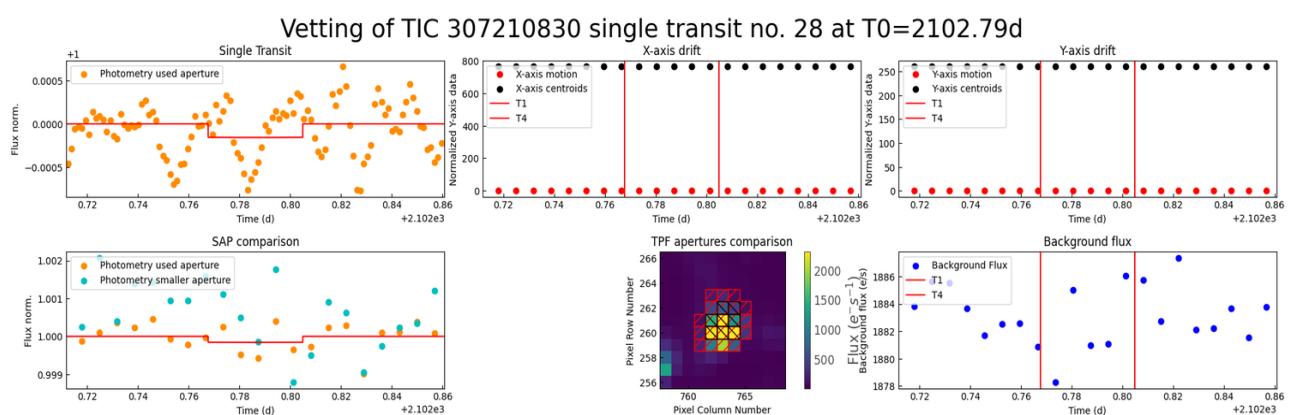


Figure 41: The single transit no. 28 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:28

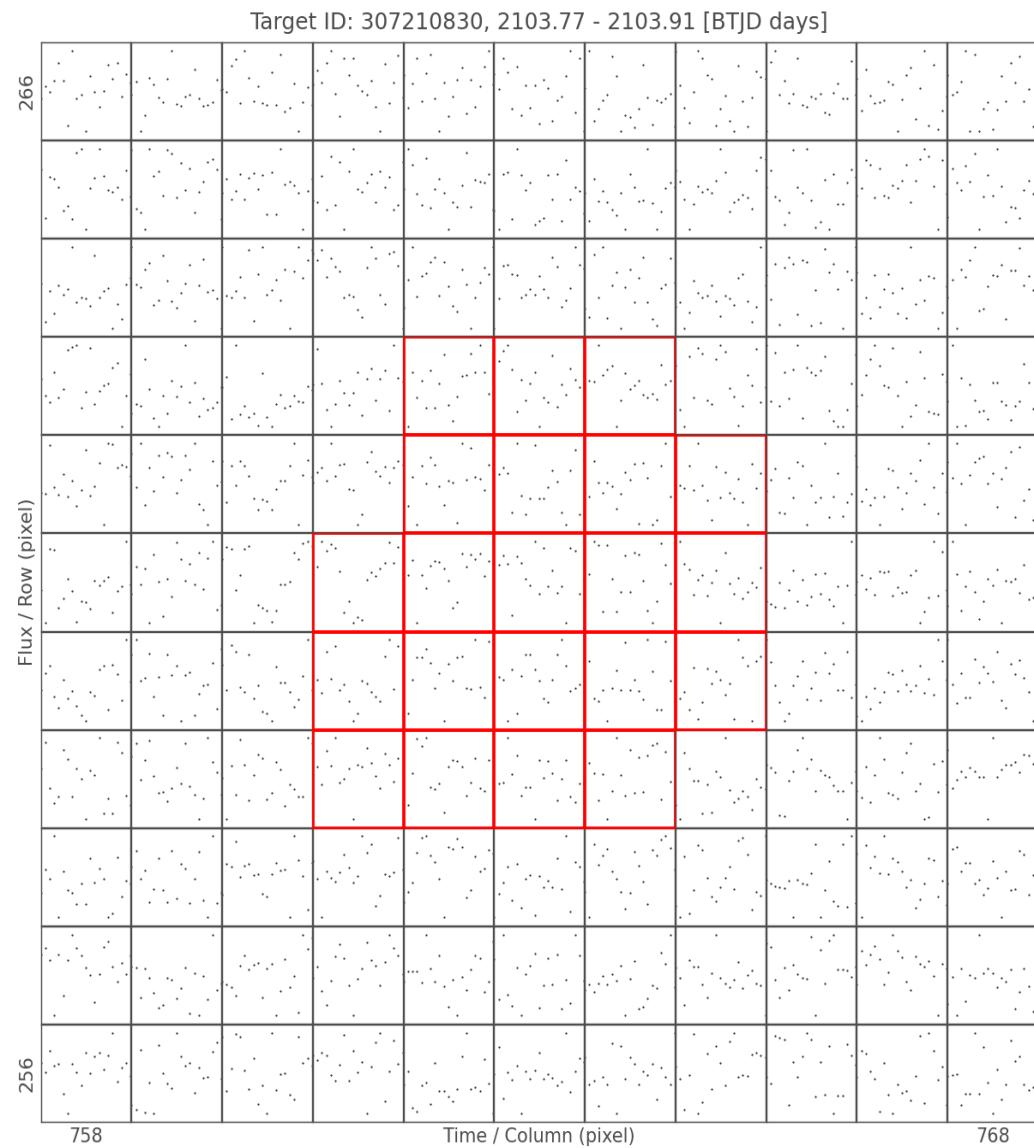
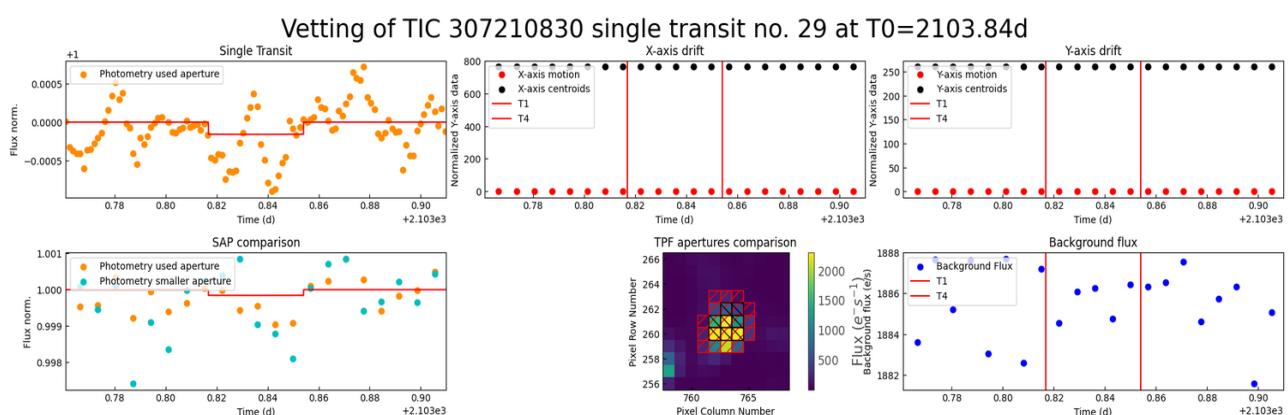
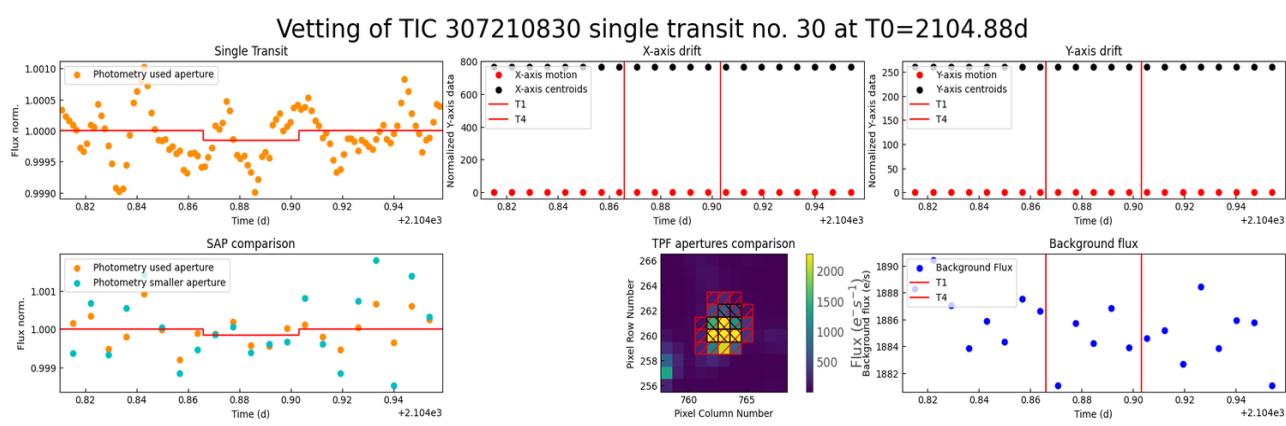


Figure 42: The single transit no. 29 vetting plots



Target ID: 307210830, 2104.82 - 2104.95 [BJD days]

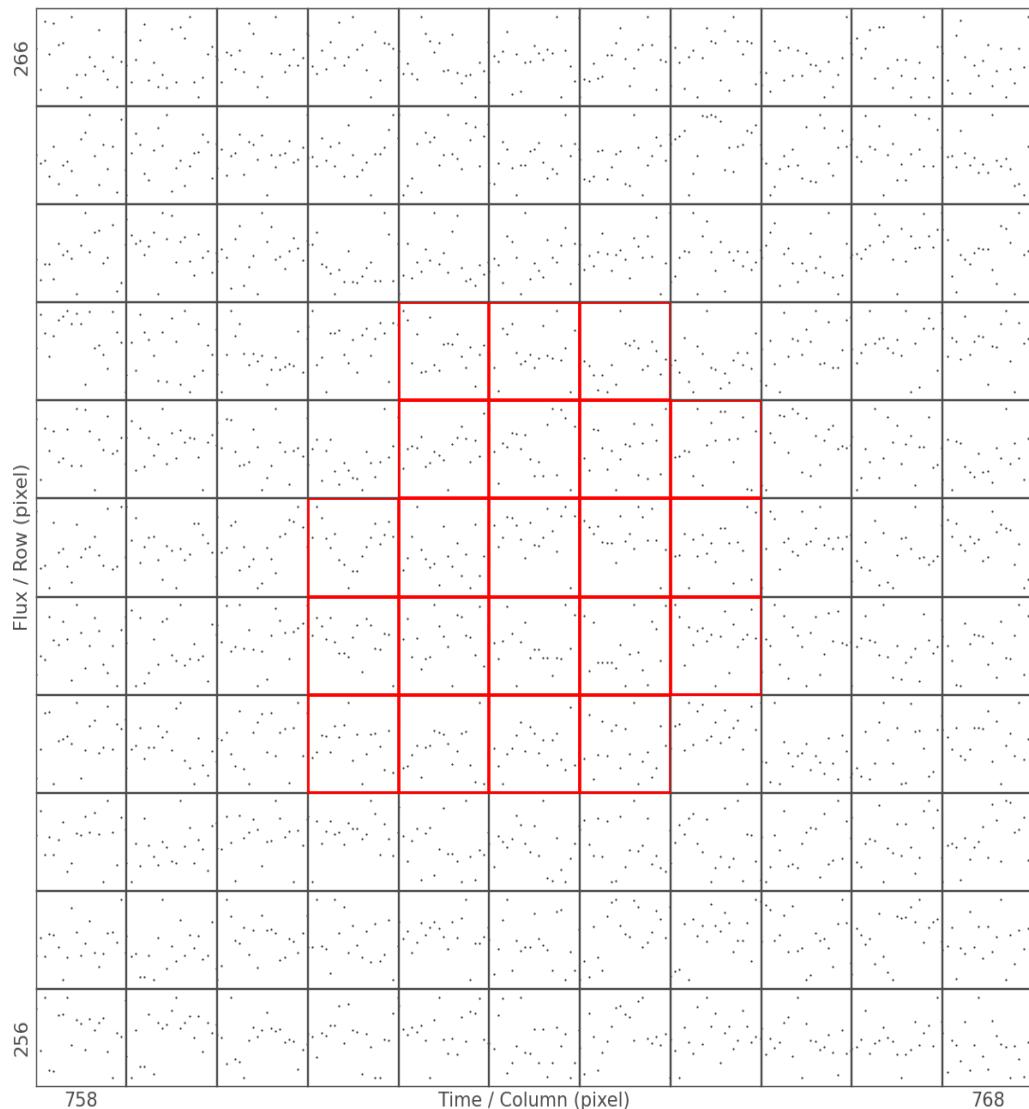


Figure 43: The single transit no. 30 vetting plots

WATSON Transits Validation Report: TIC 307210830

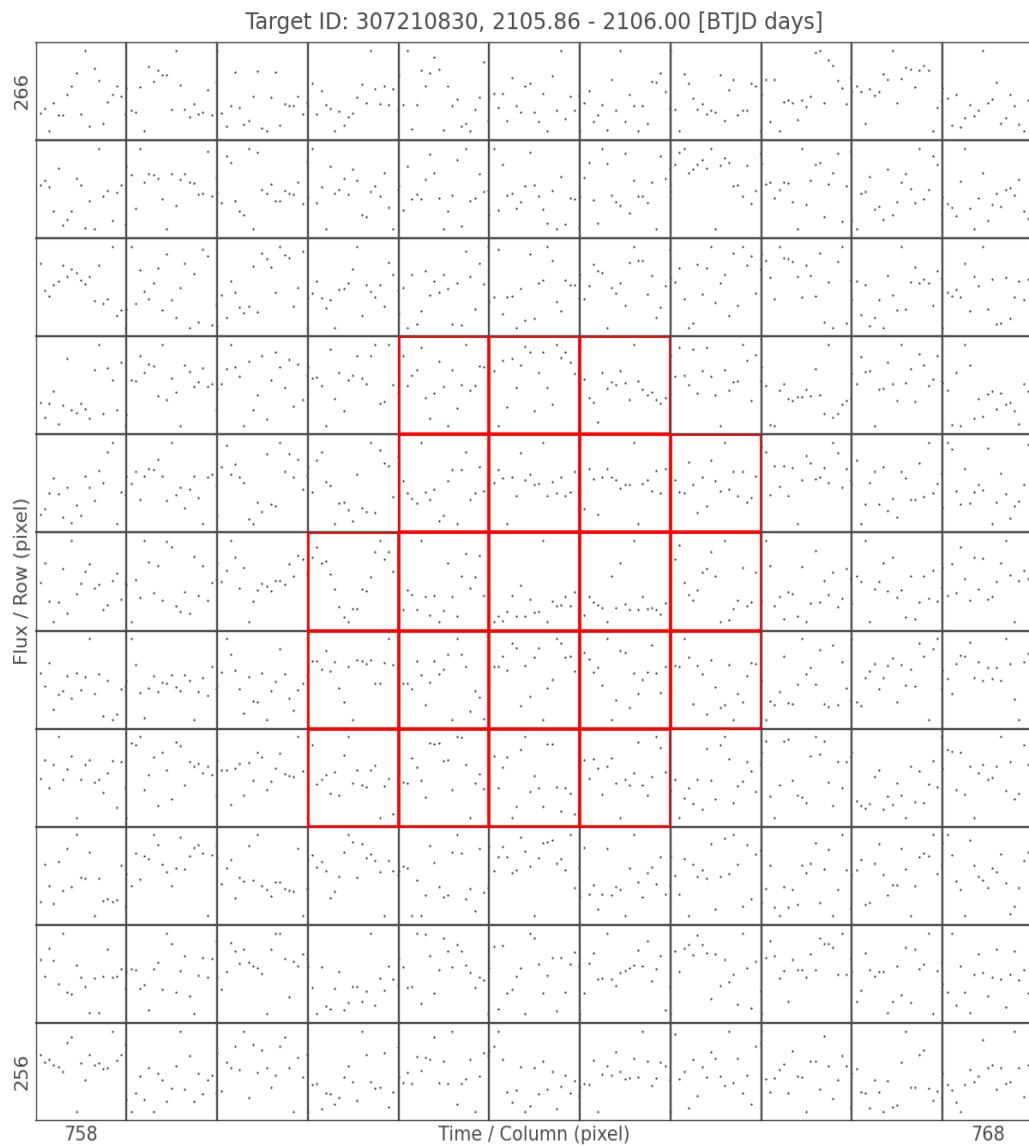
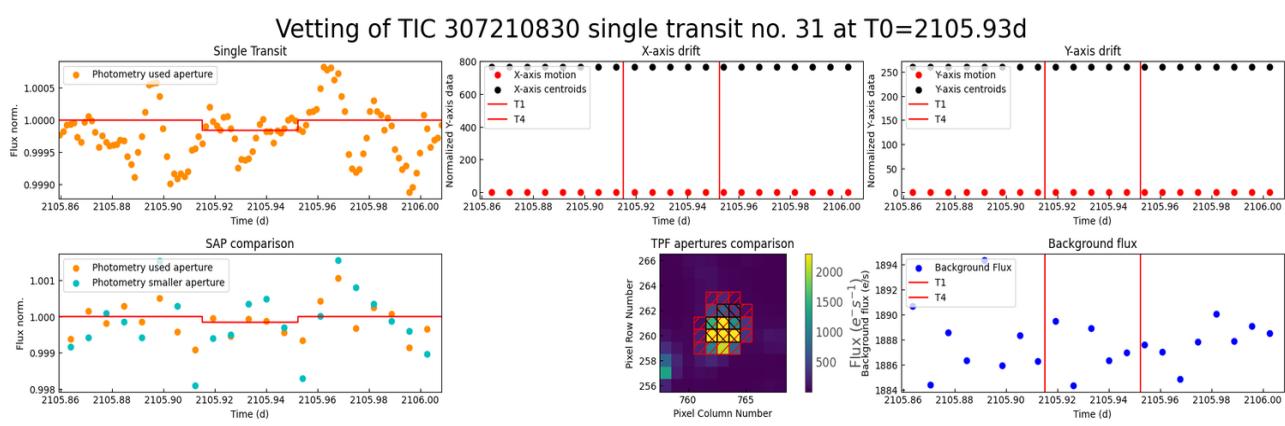


Figure 44: The single transit no. 31 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:29

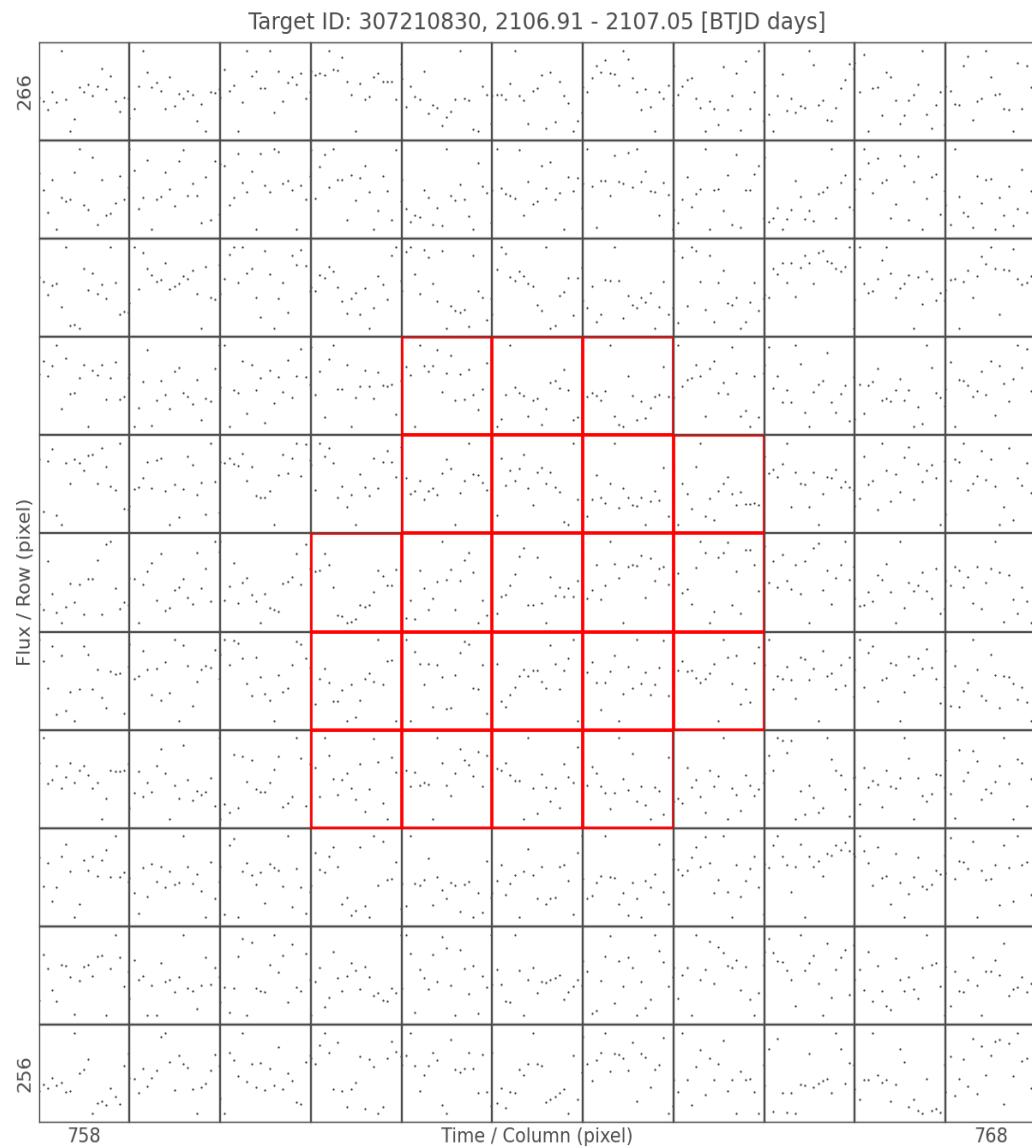
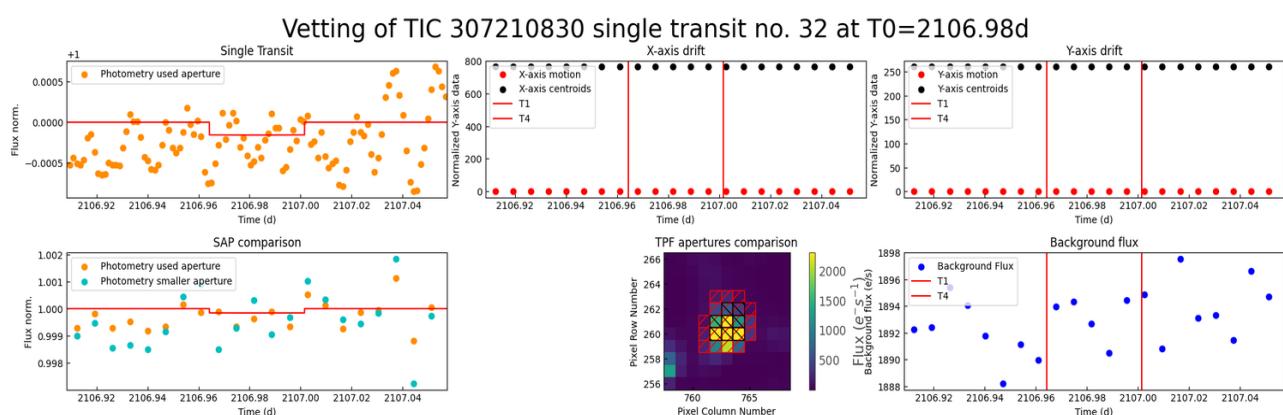


Figure 45: The single transit no. 32 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:29

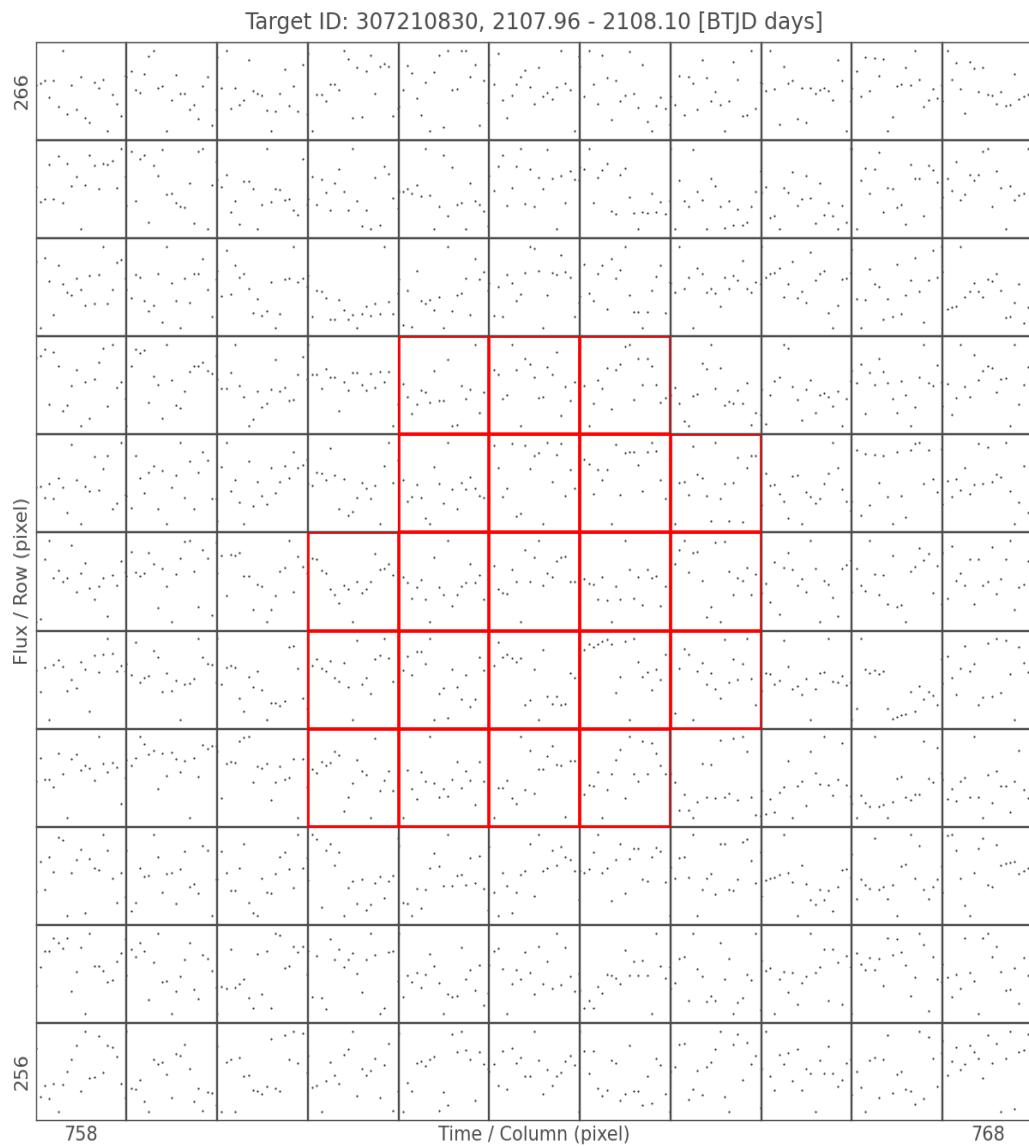
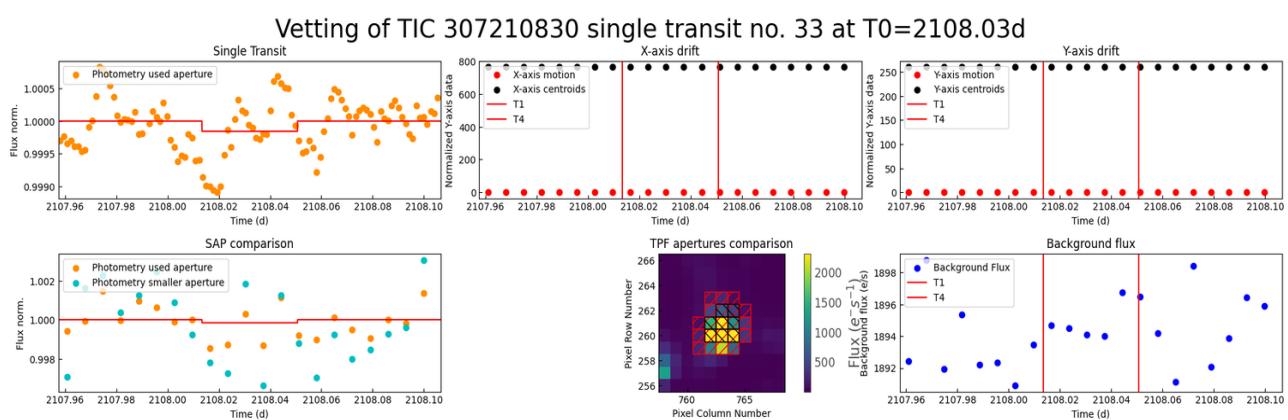


Figure 46: The single transit no. 33 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:29

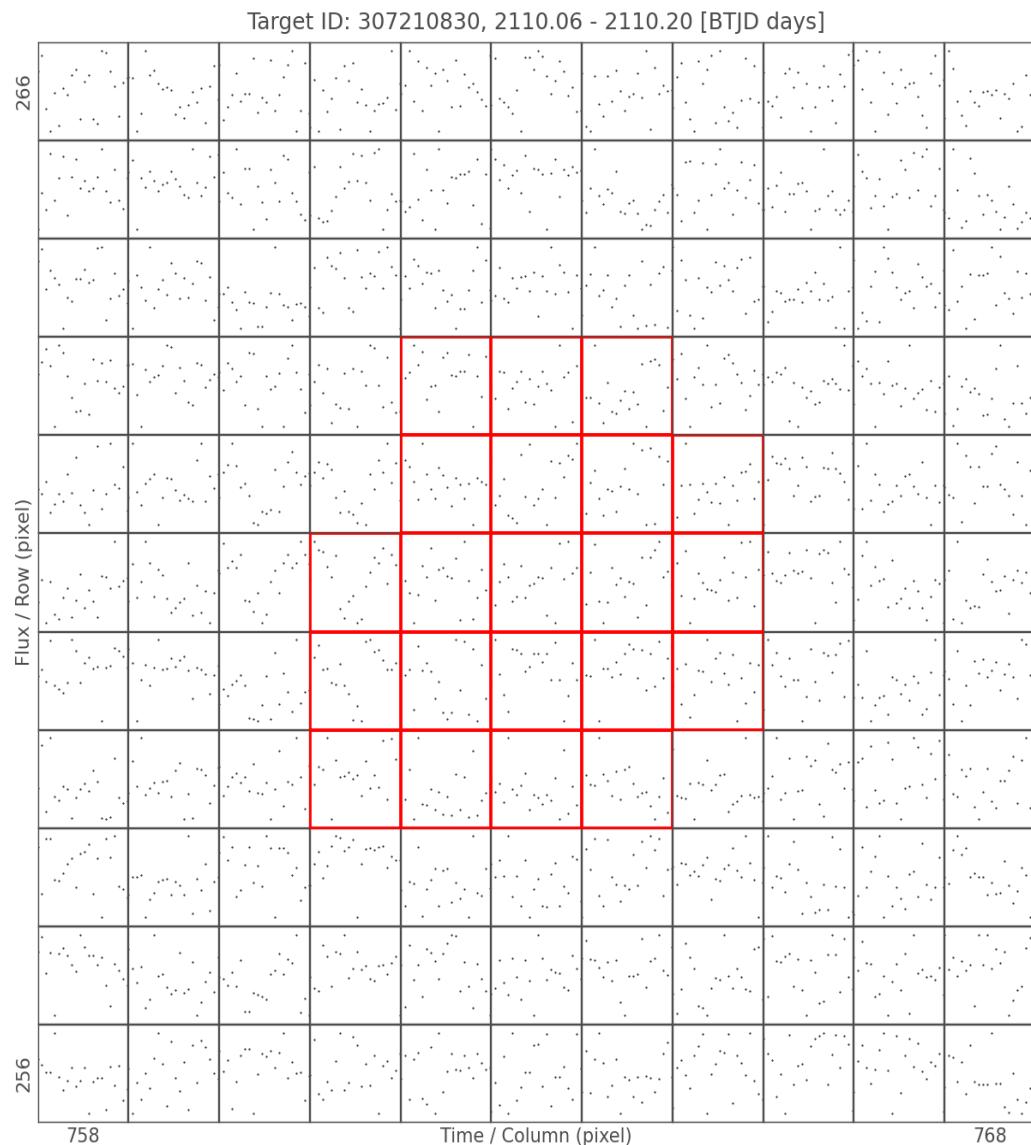
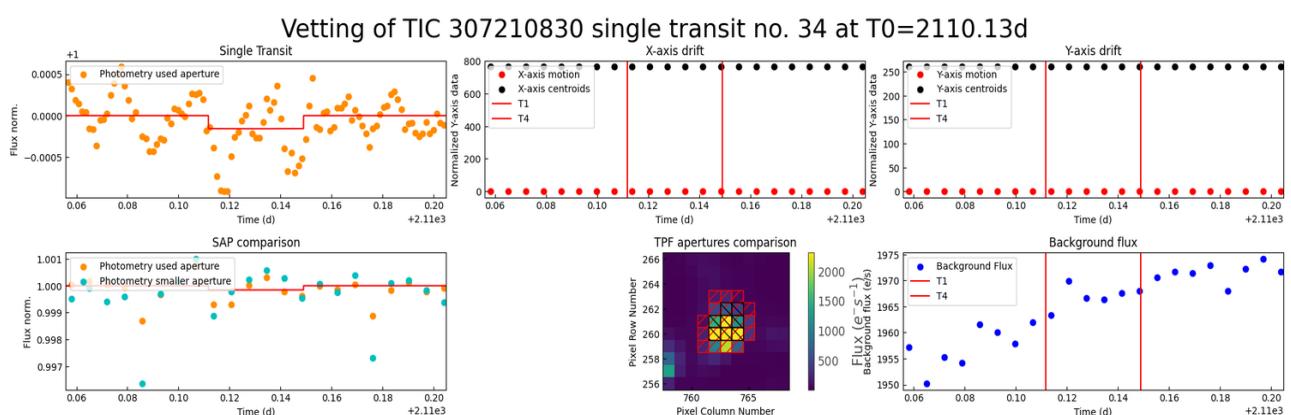
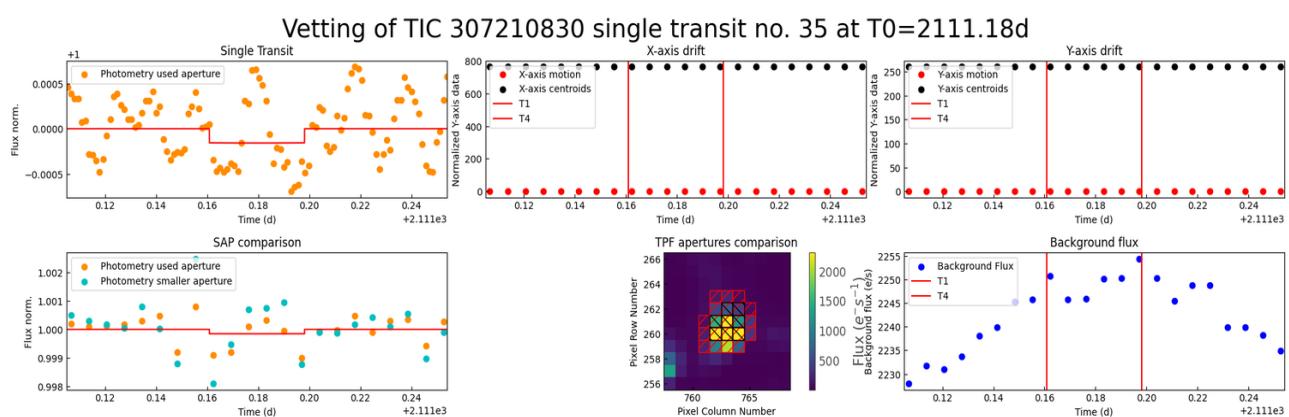


Figure 47: The single transit no. 34 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2111.11 - 2111.25 [BTJD days]

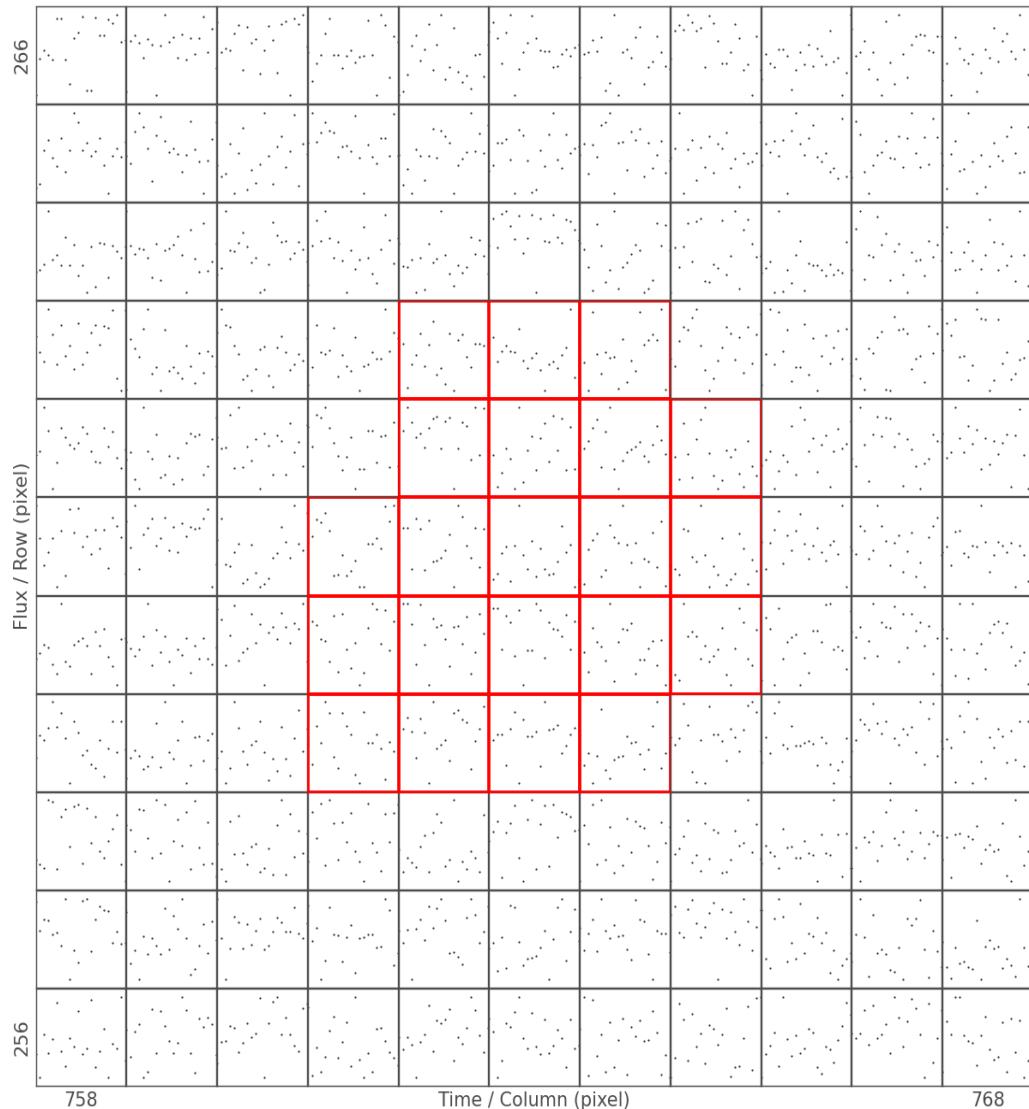


Figure 48: The single transit no. 35 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:30

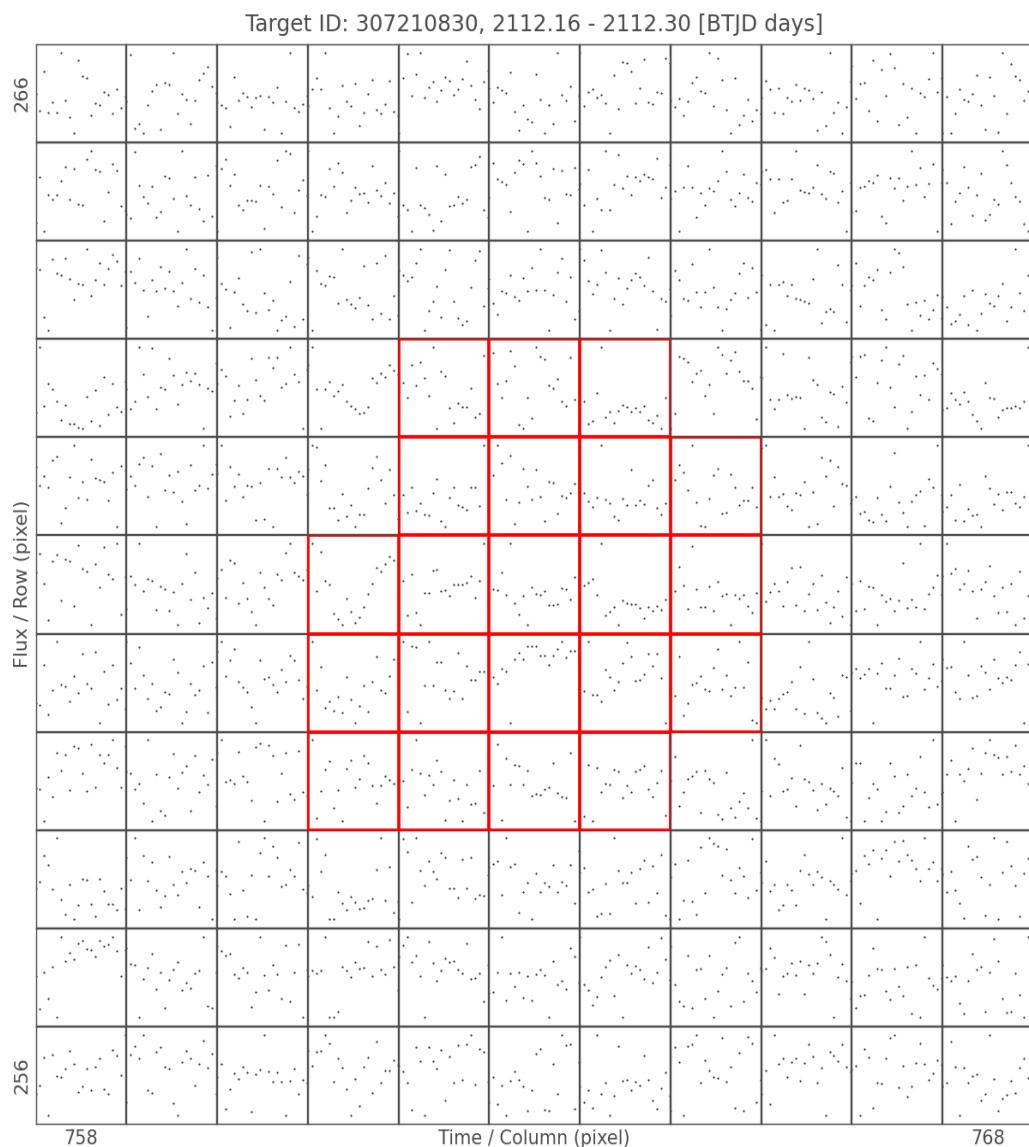
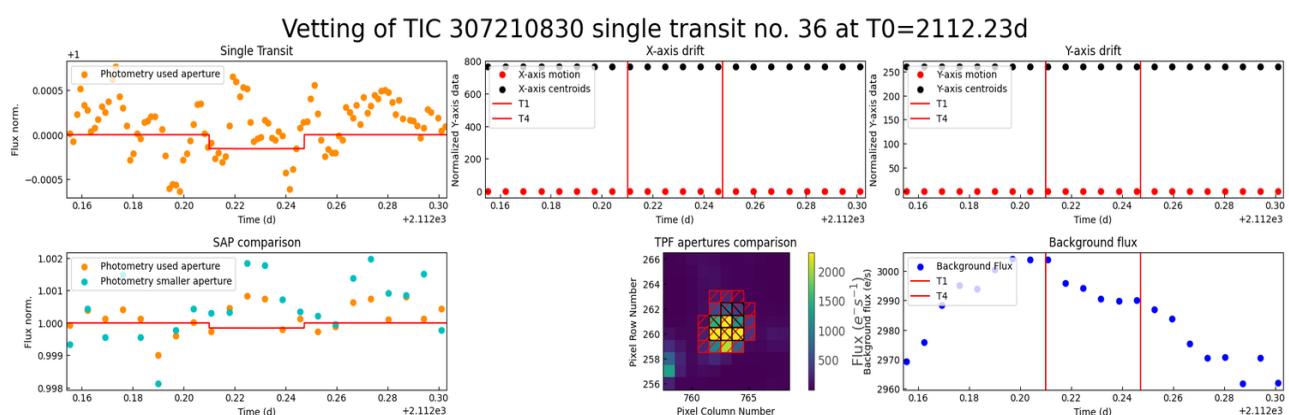


Figure 49: The single transit no. 36 vetting plots

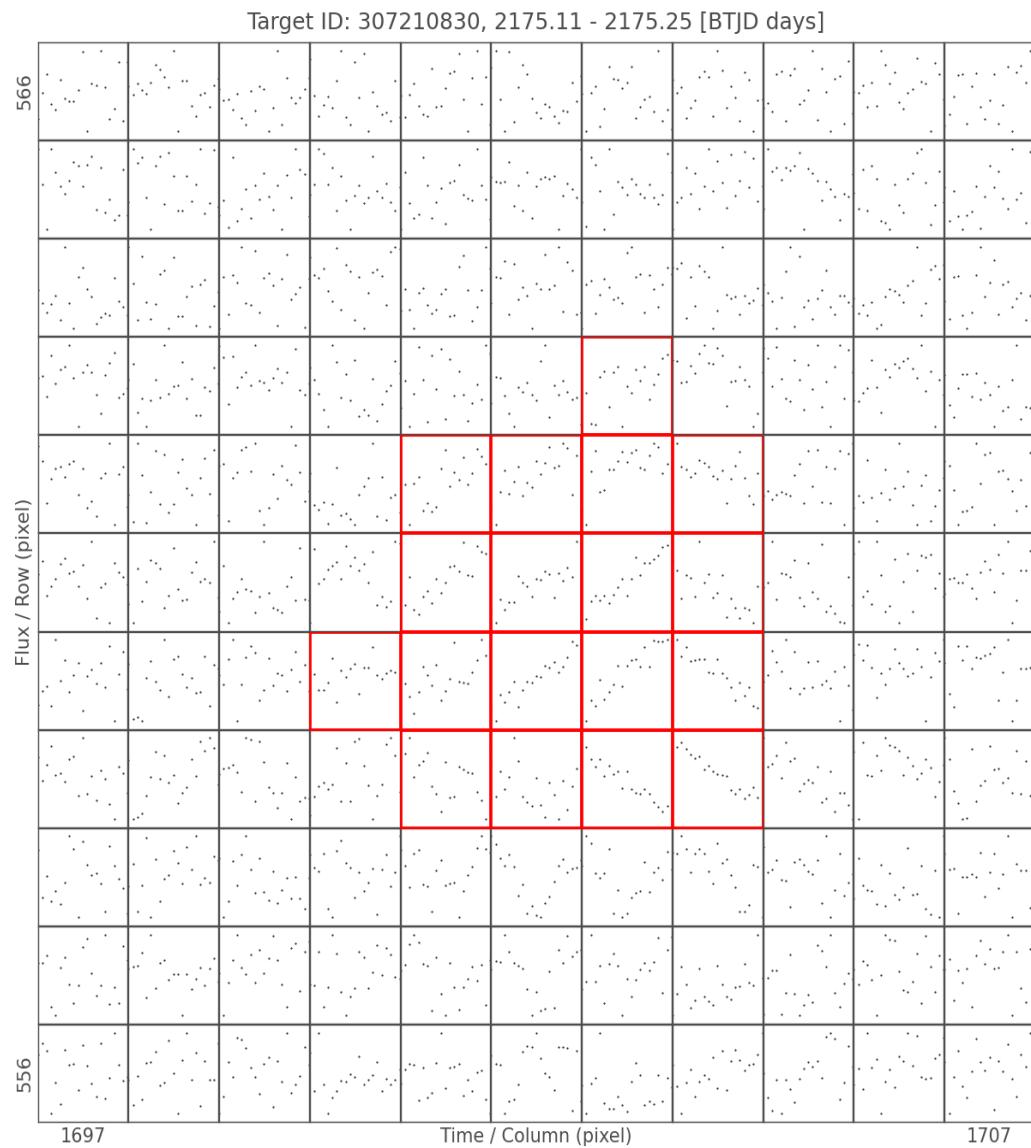
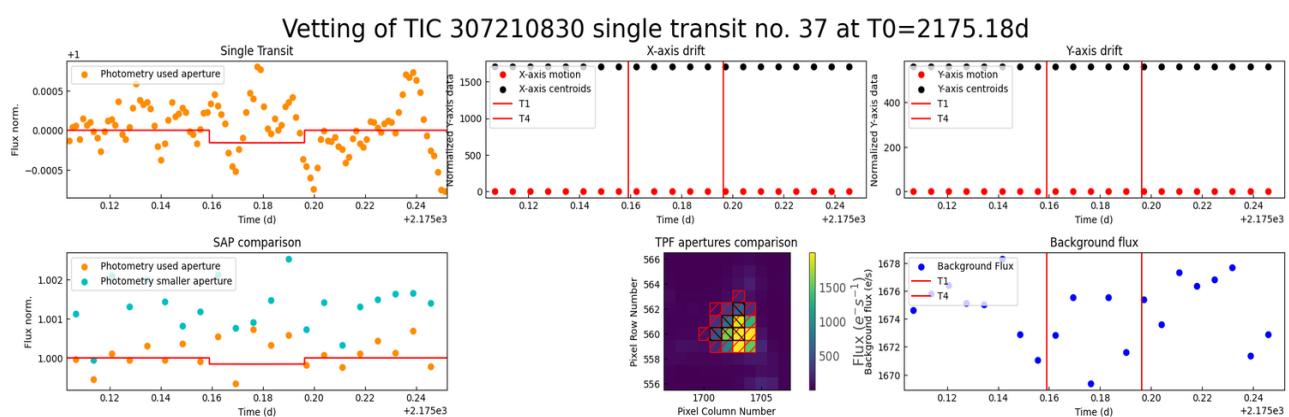


Figure 50: The single transit no. 37 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:30

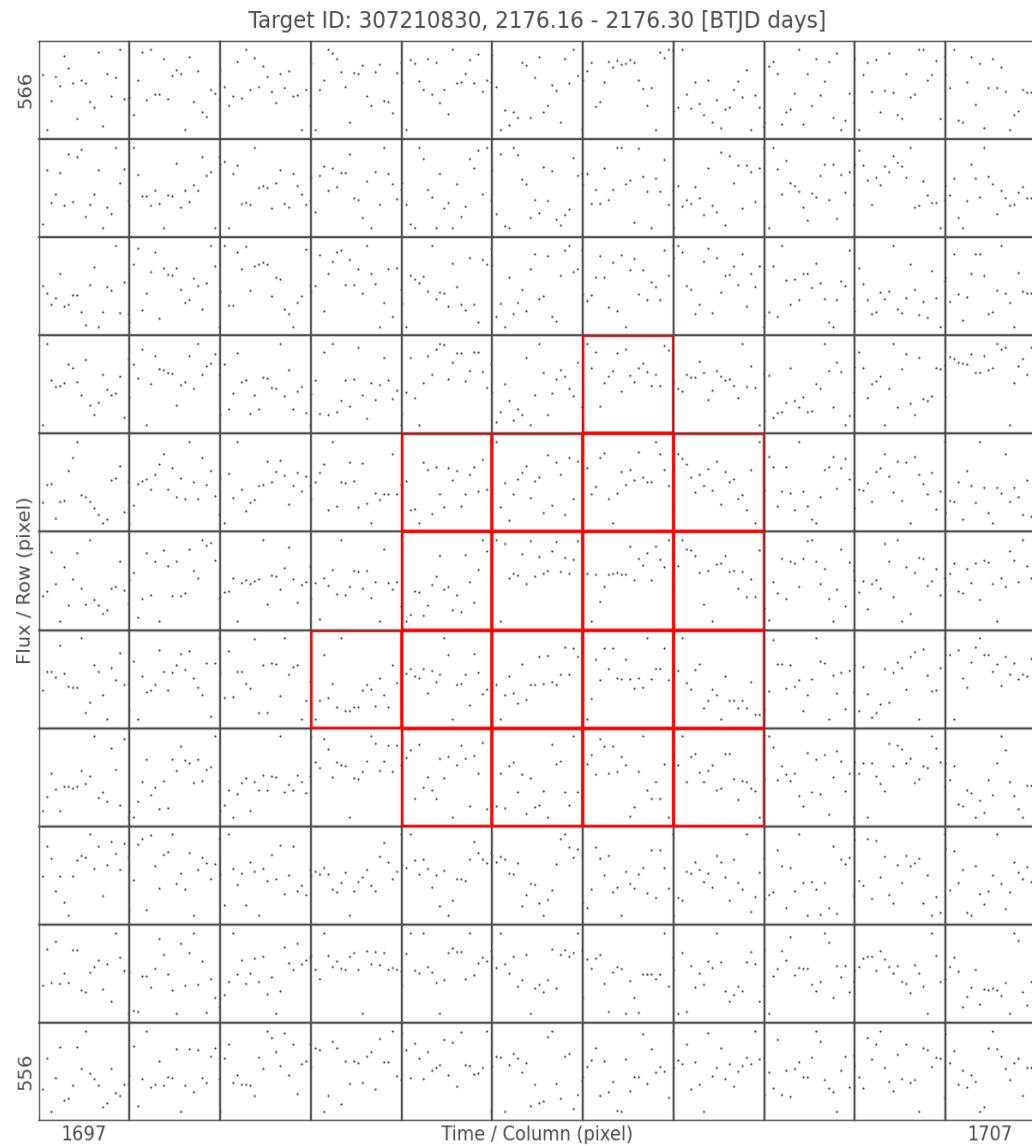
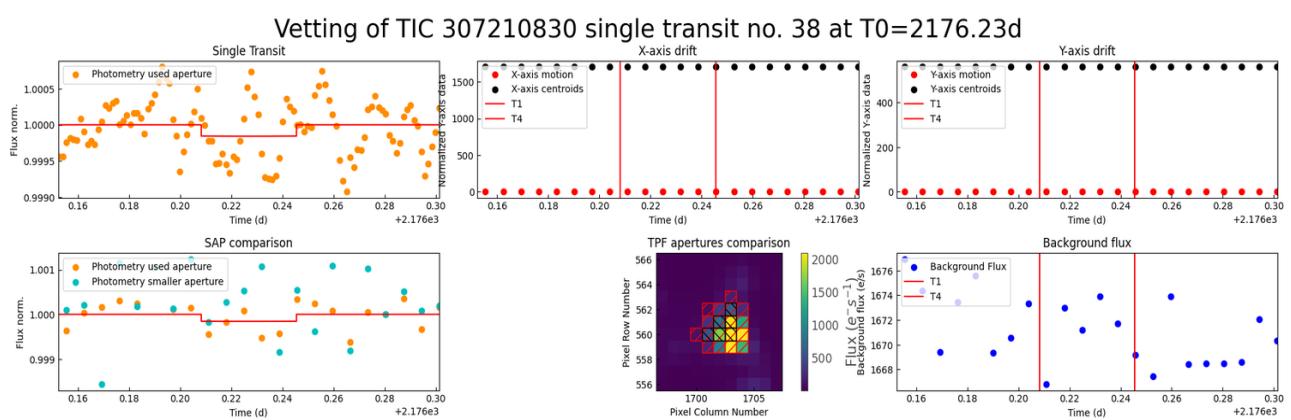


Figure 51: The single transit no. 38 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:30

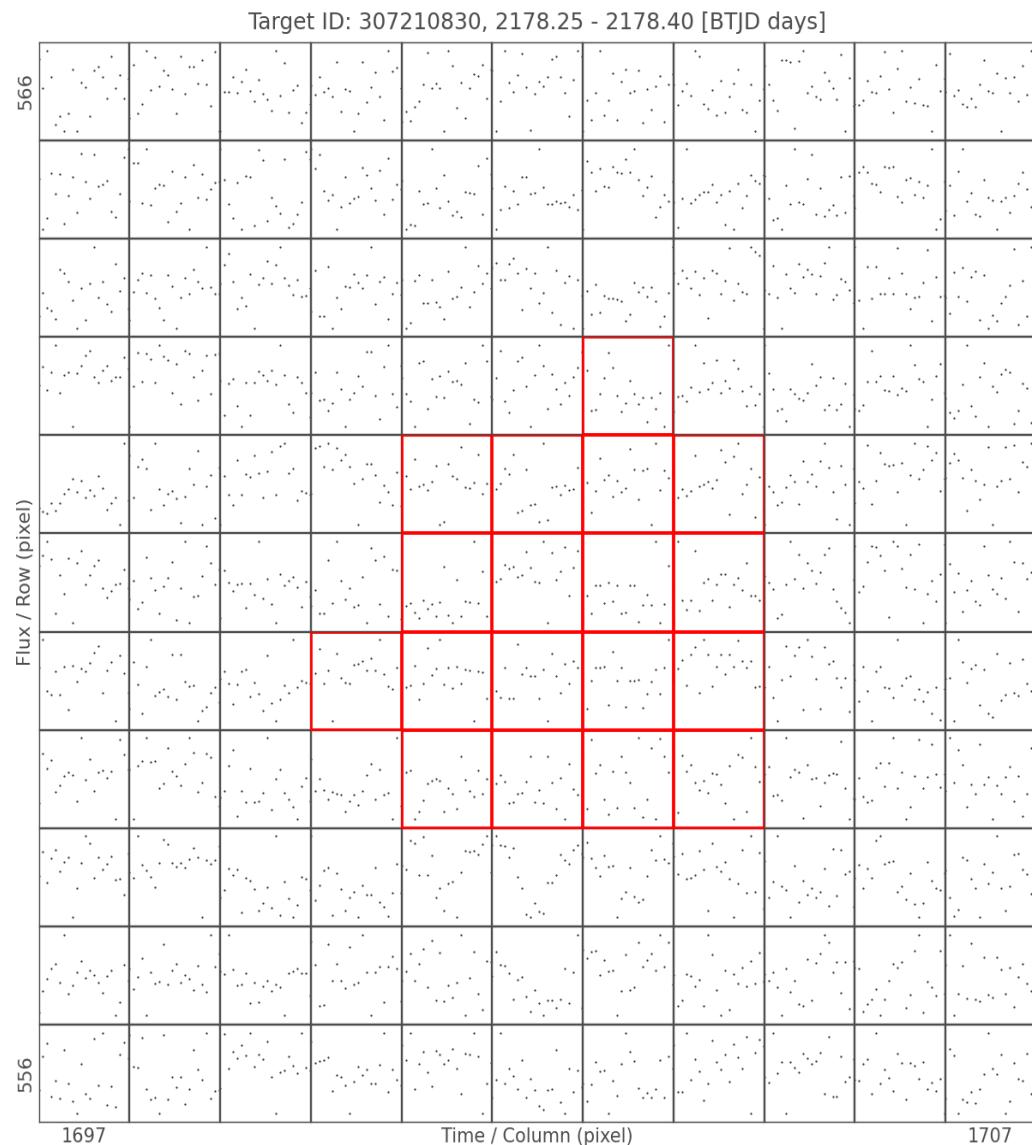
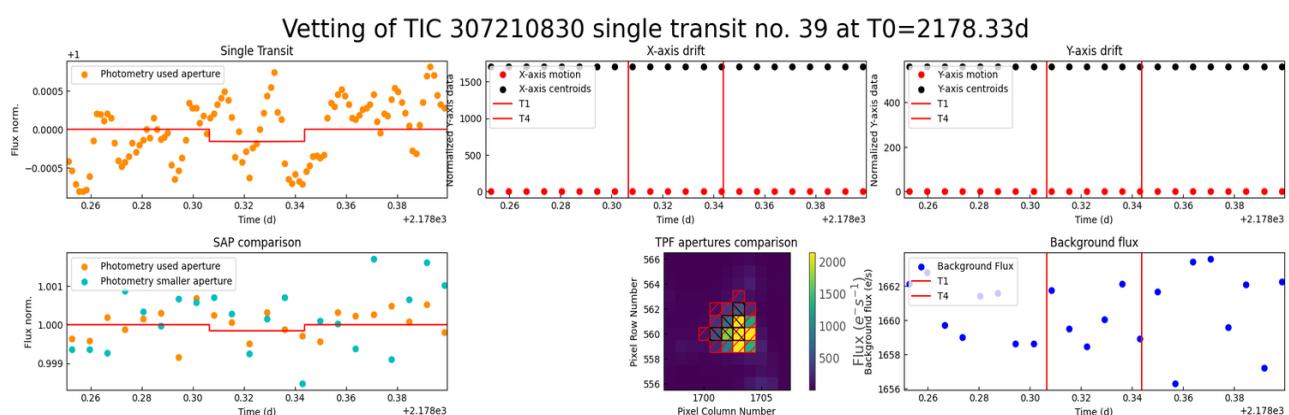


Figure 52: The single transit no. 39 vetting plots

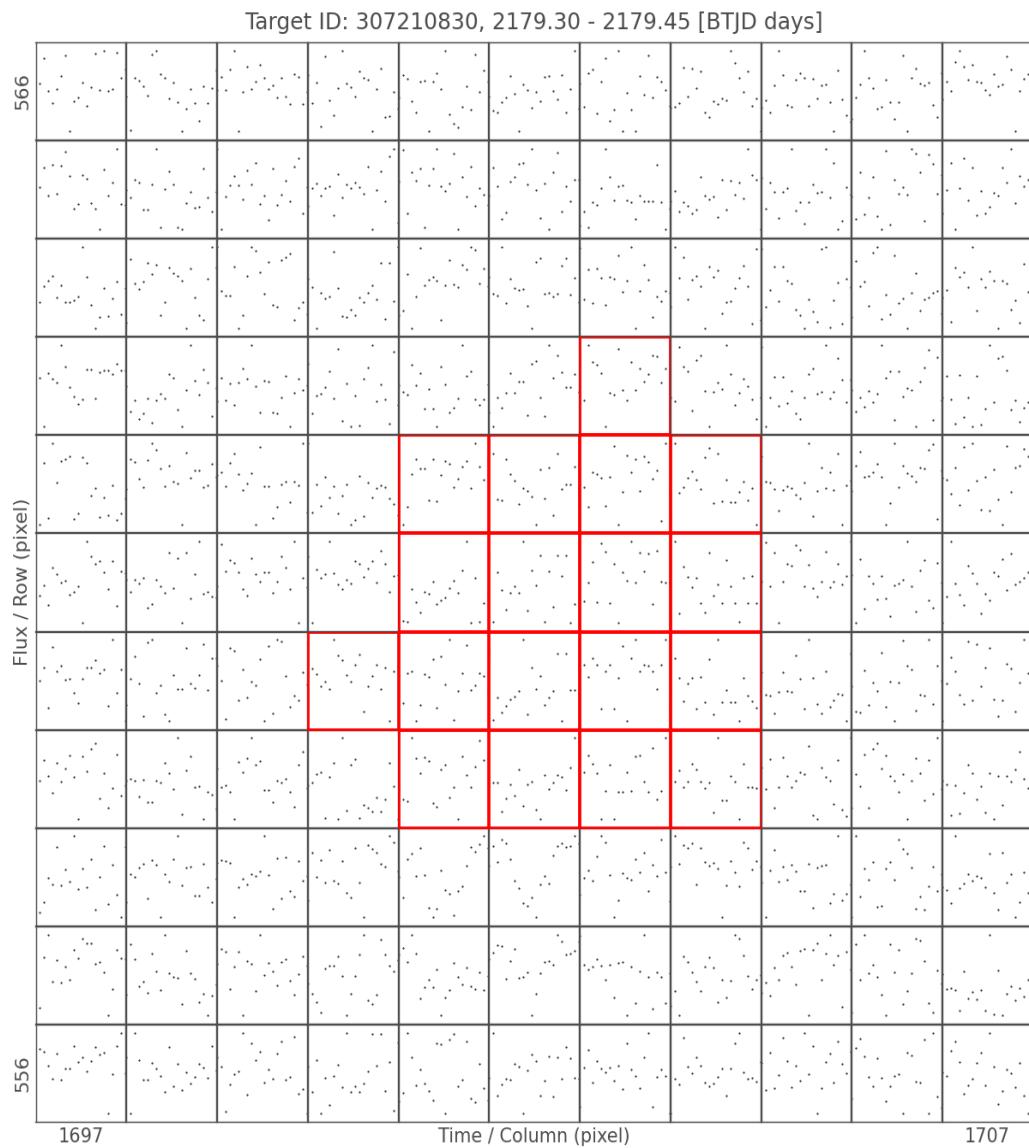
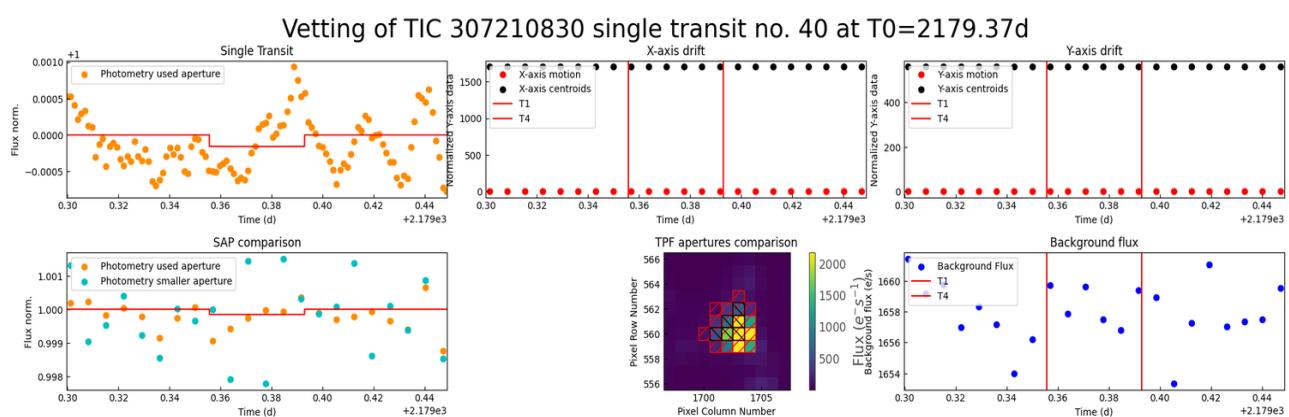


Figure 53: The single transit no. 40 vetting plots

WATSON Transits Validation Report: TIC 307210830

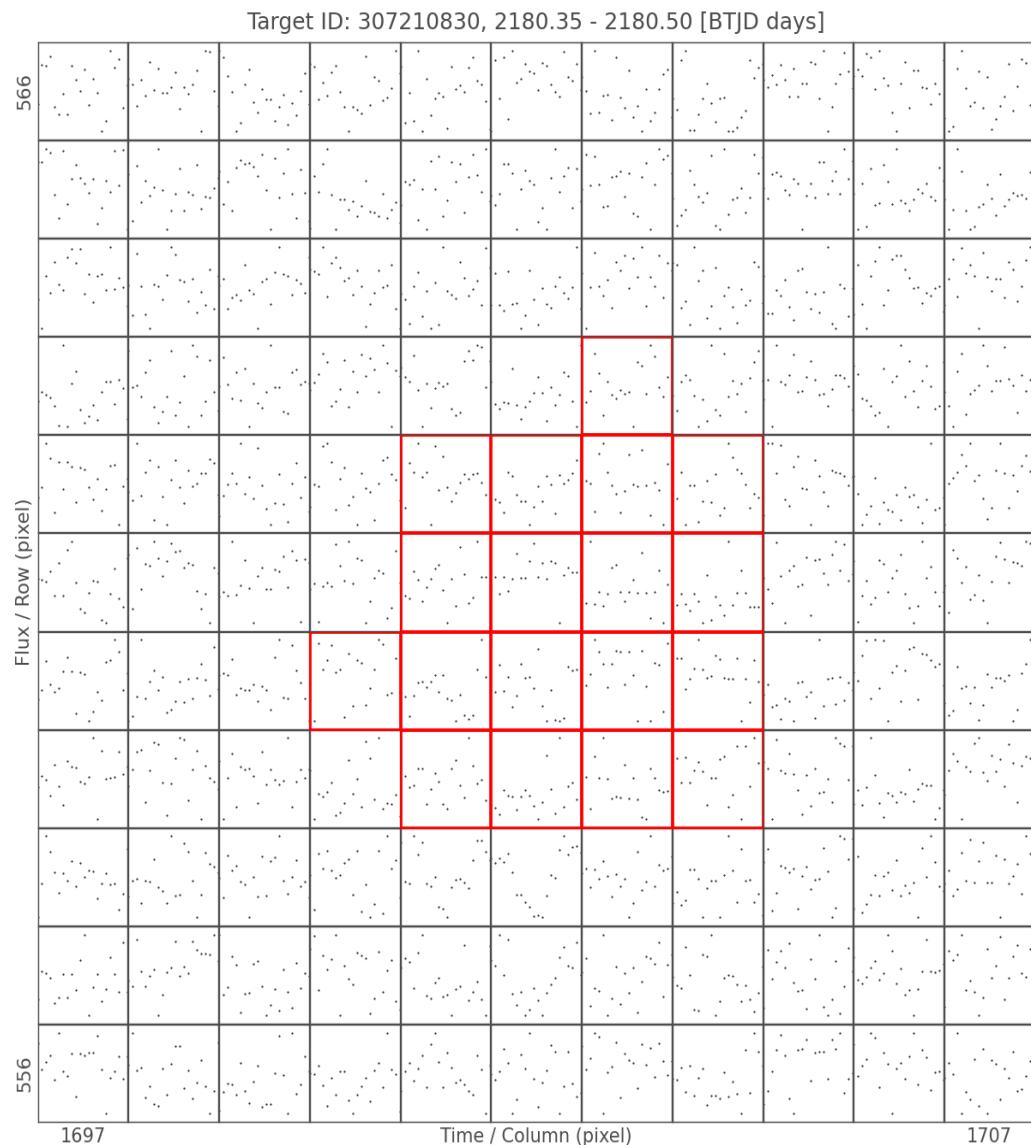
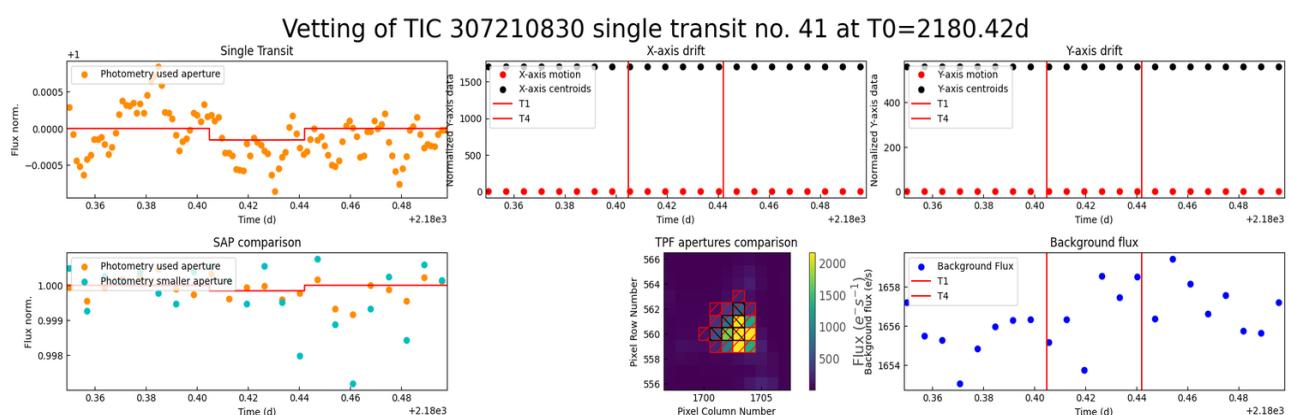
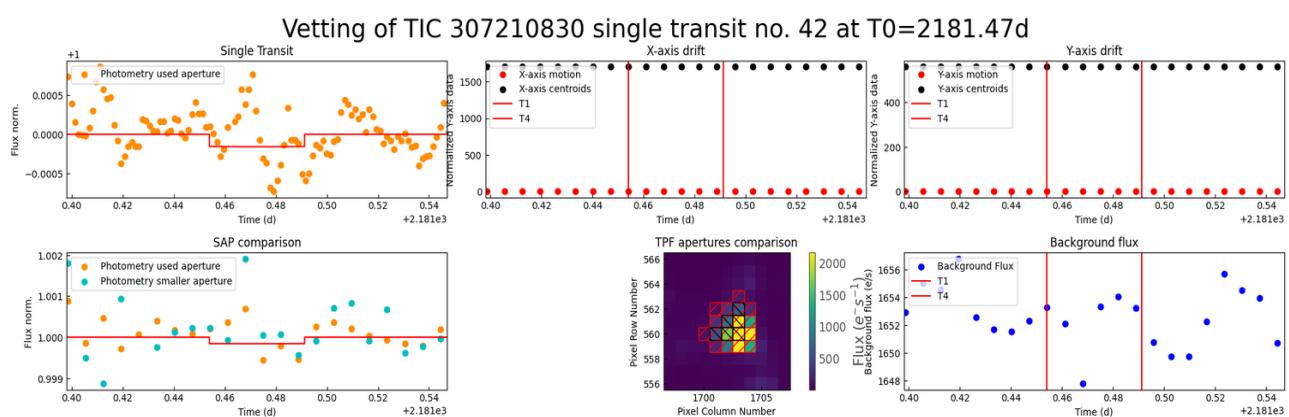


Figure 54: The single transit no. 41 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2181.40 - 2181.54 [BJD days]

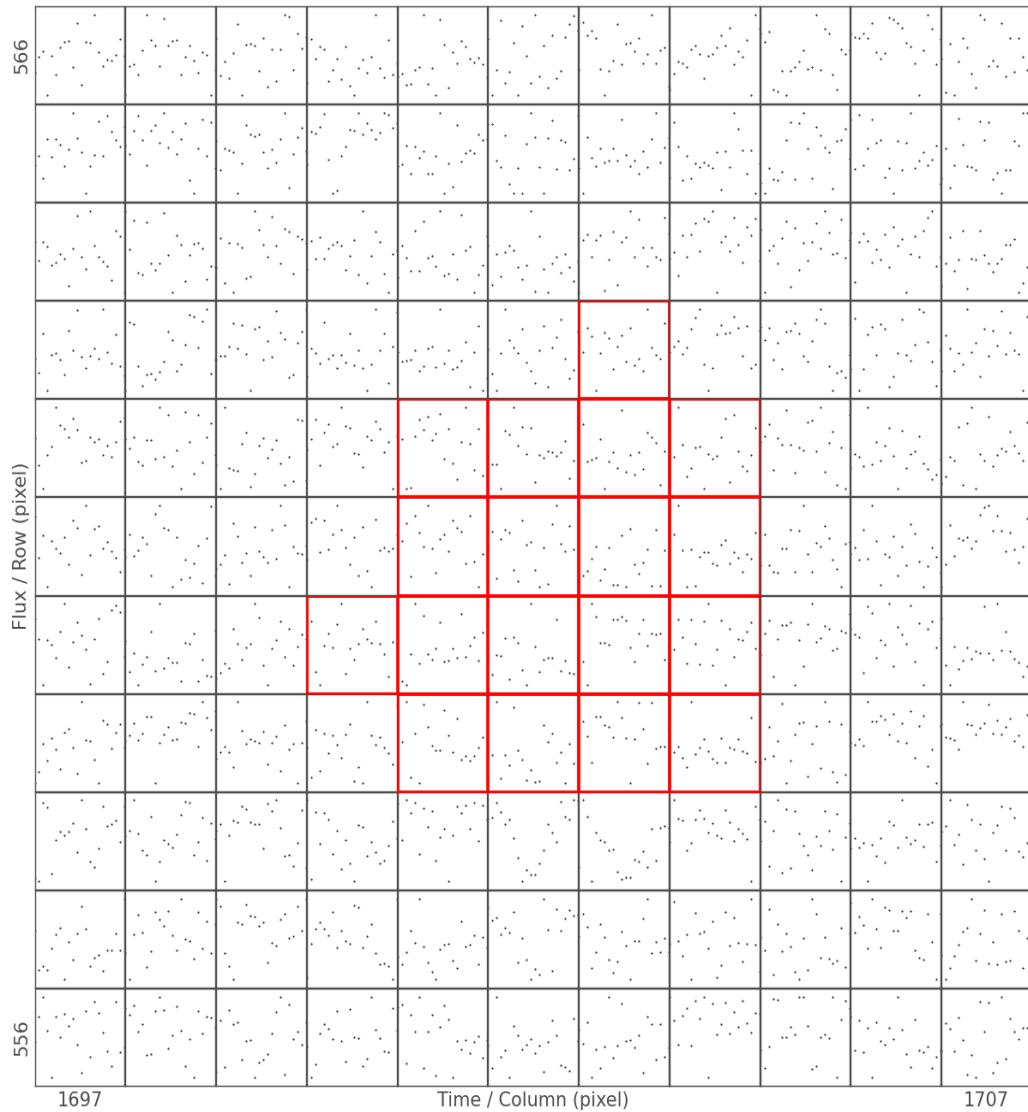
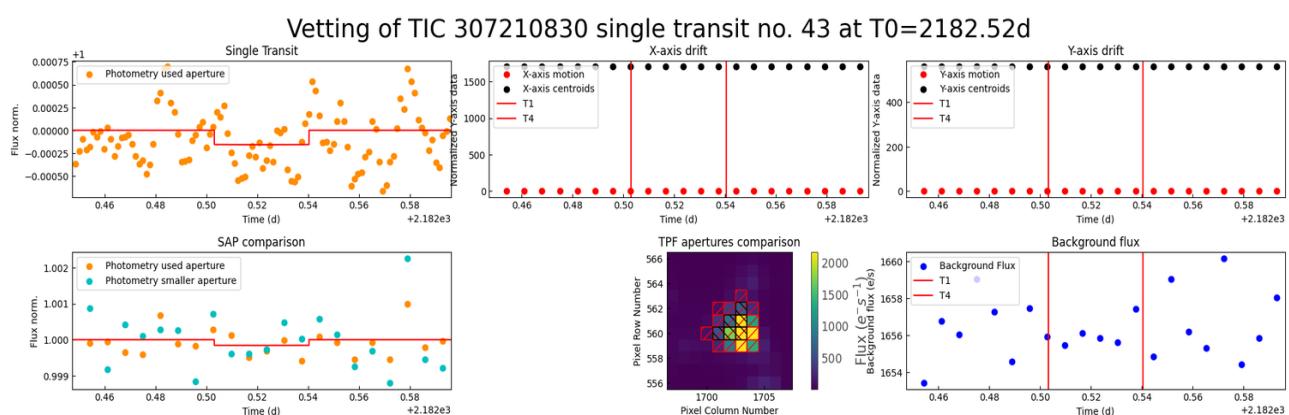


Figure 55: The single transit no. 42 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2182.45 - 2182.59 [BTJD days]

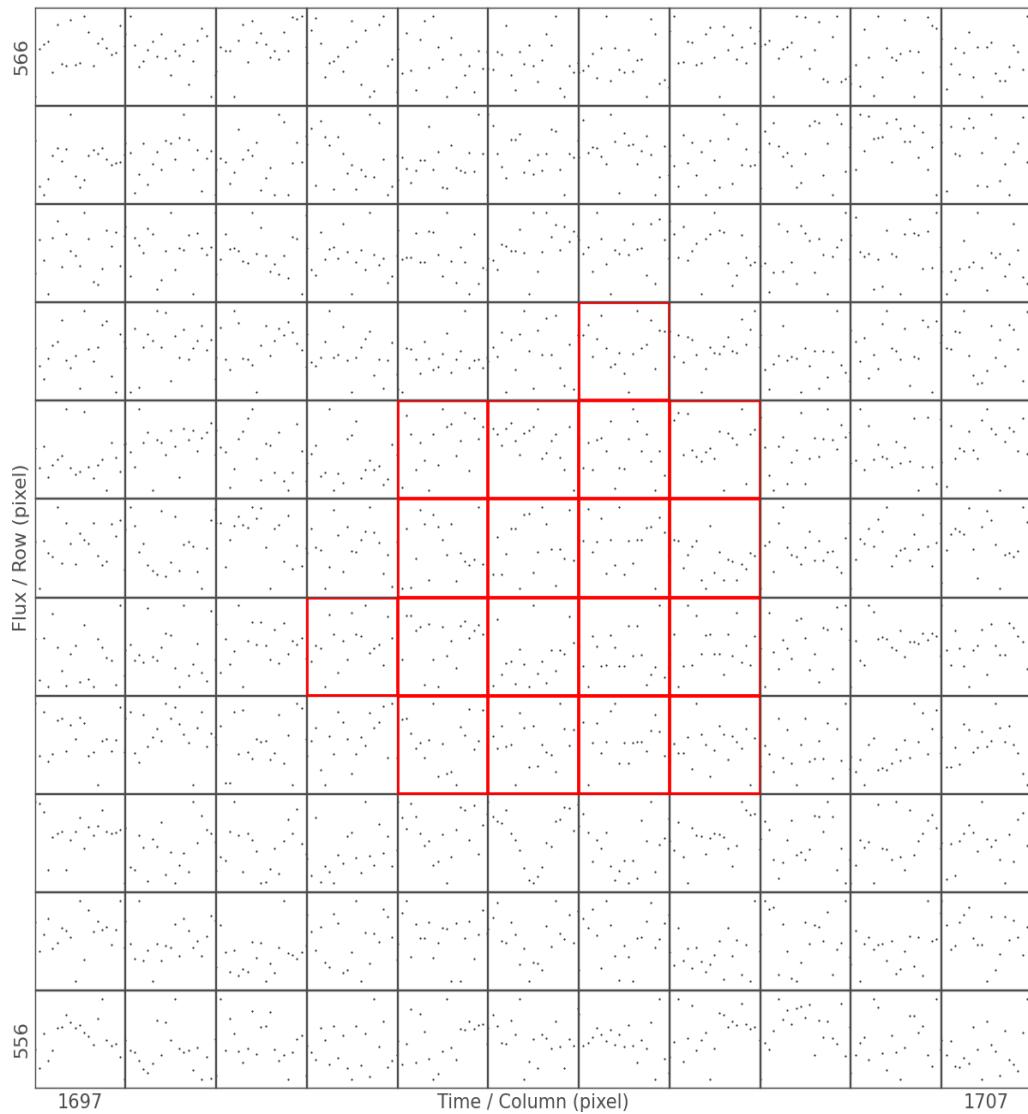


Figure 56: The single transit no. 43 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:31

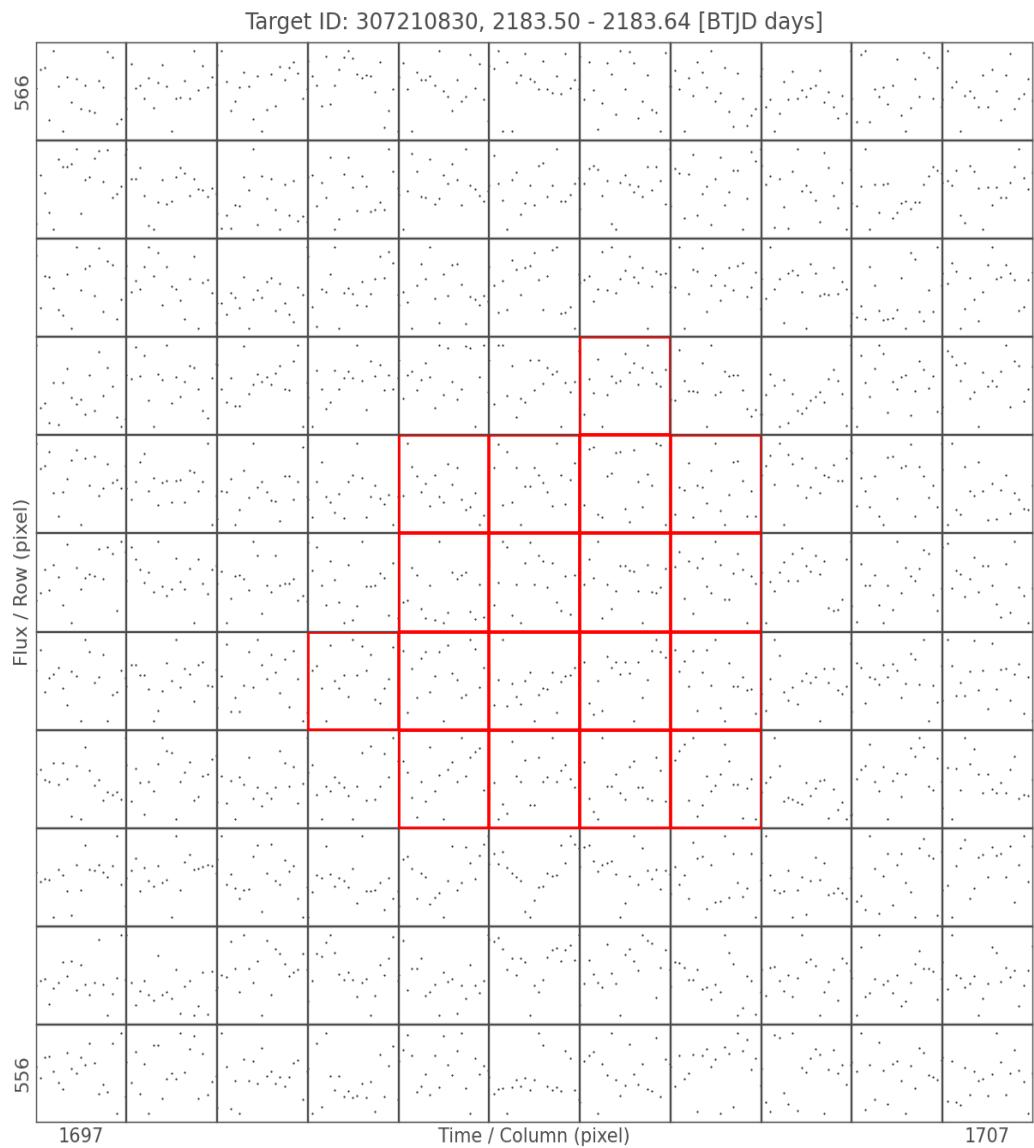
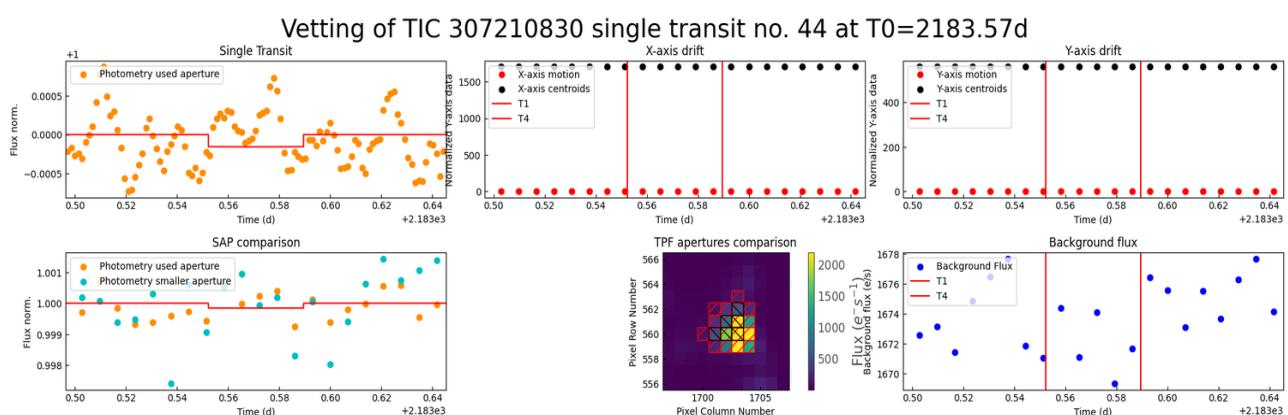


Figure 57: The single transit no. 44 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:31

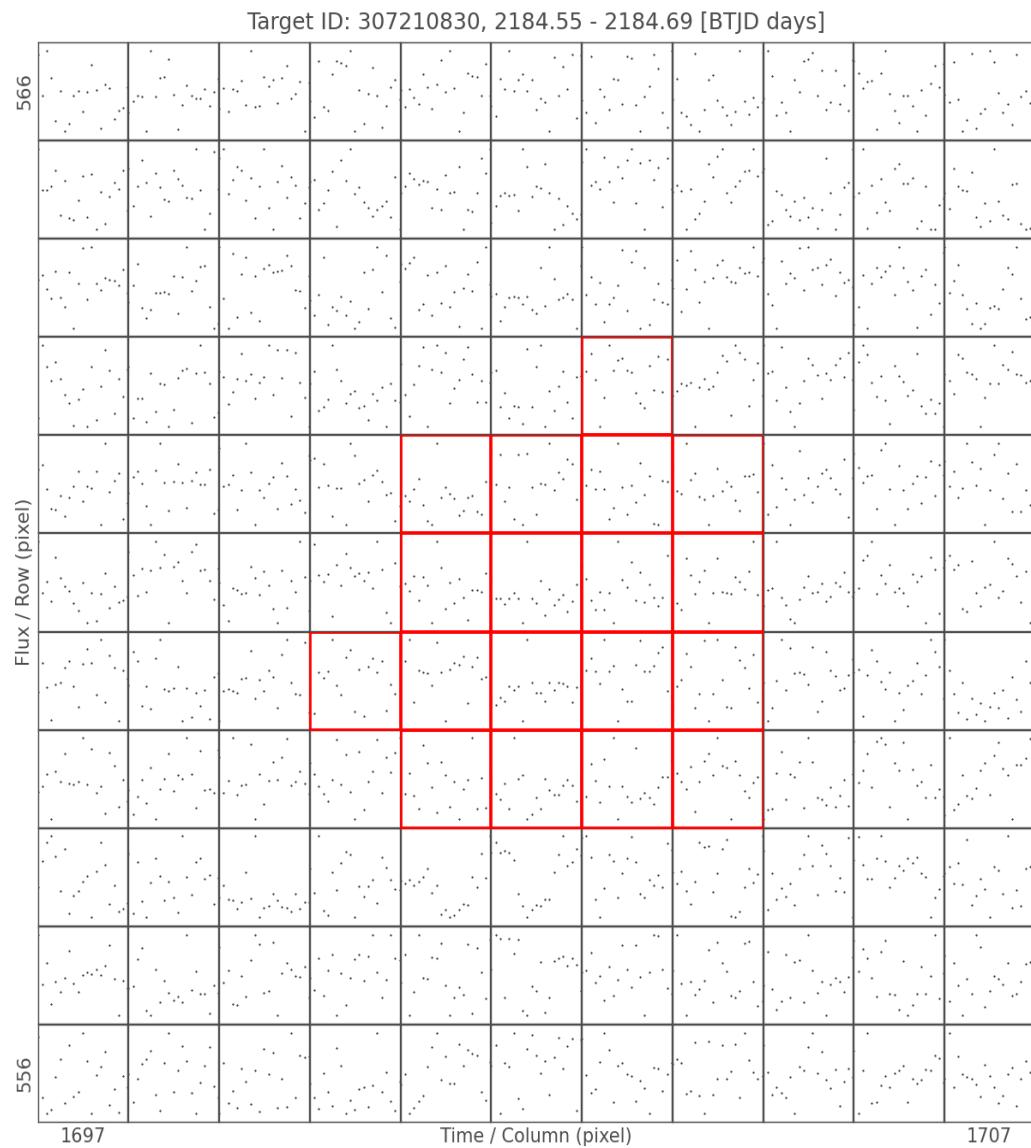
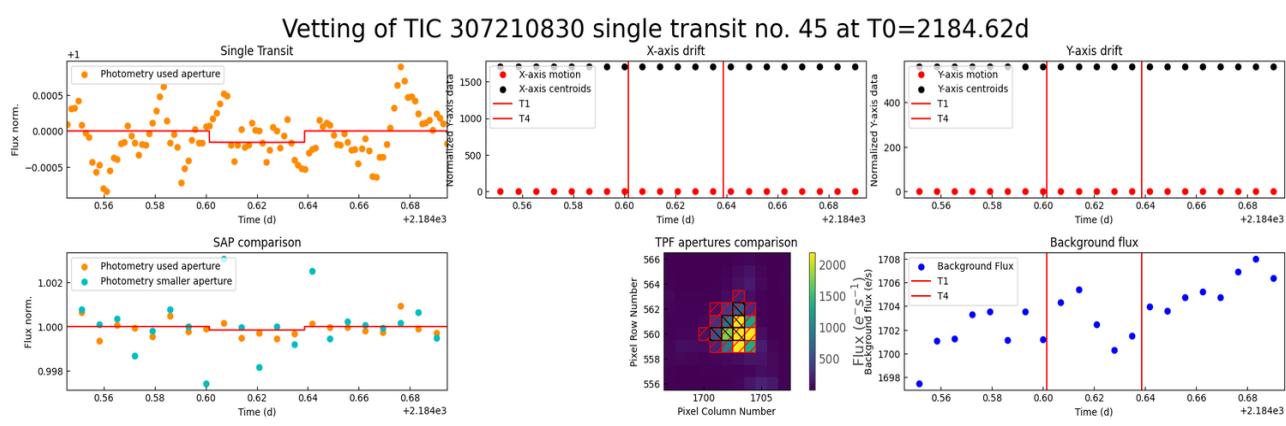


Figure 58: The single transit no. 45 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:32

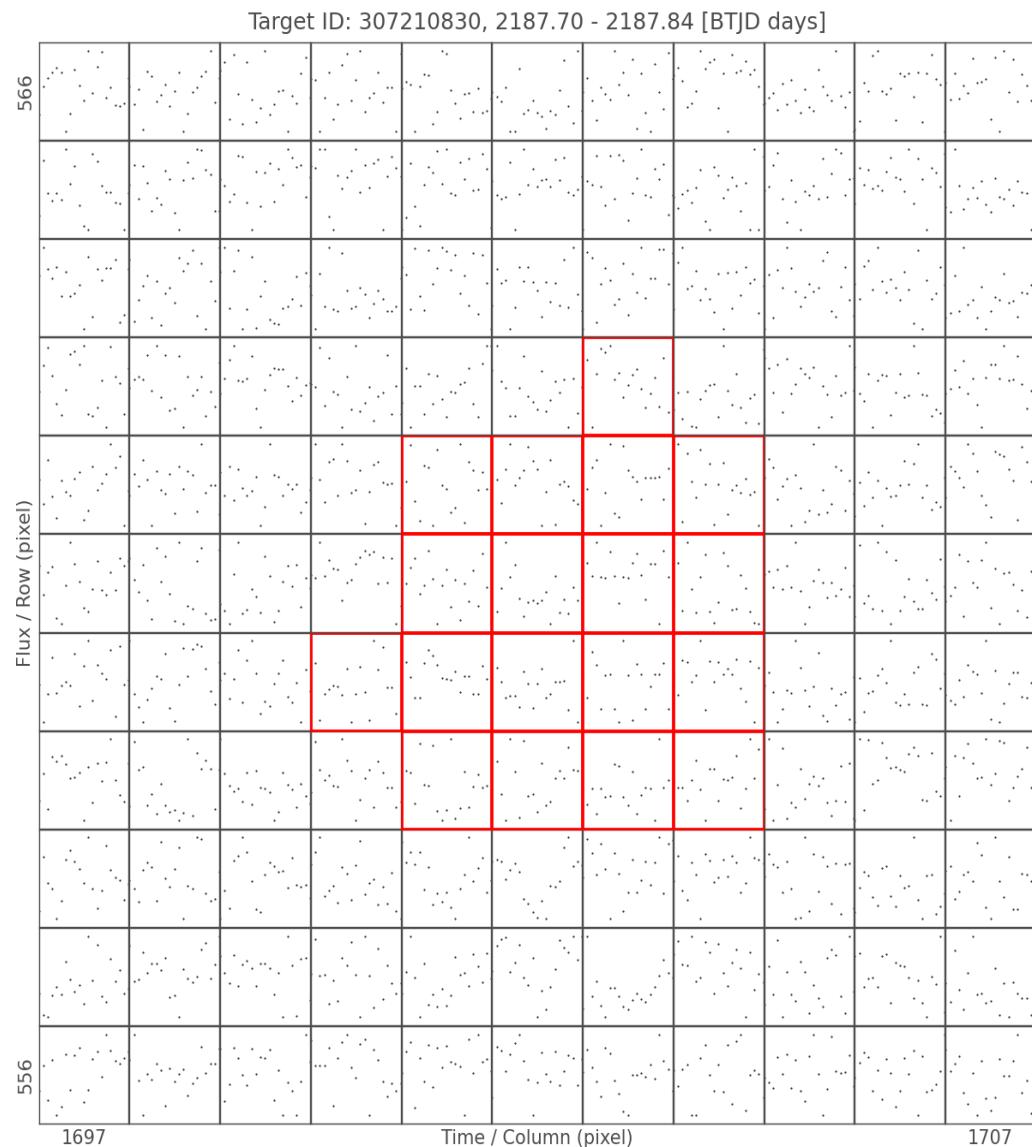
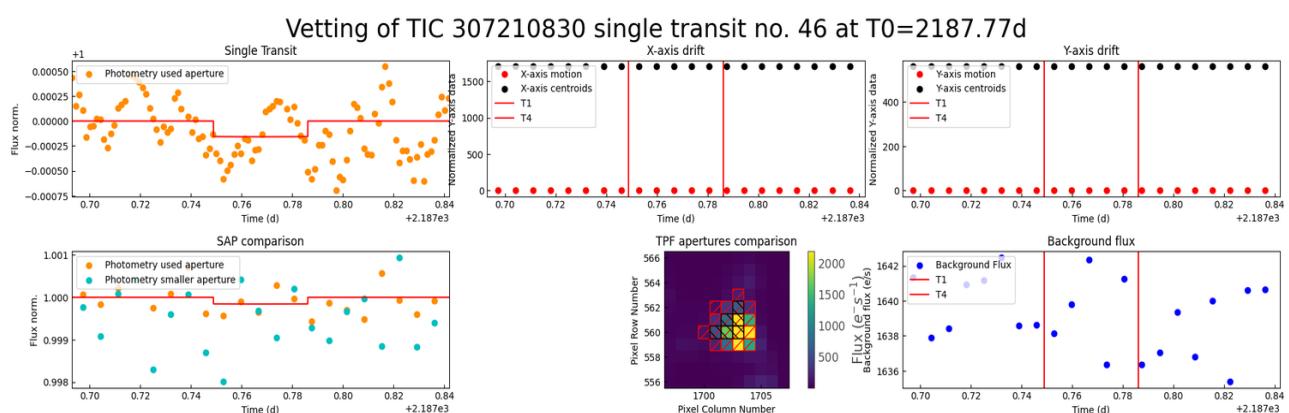


Figure 59: The single transit no. 46 vetting plots

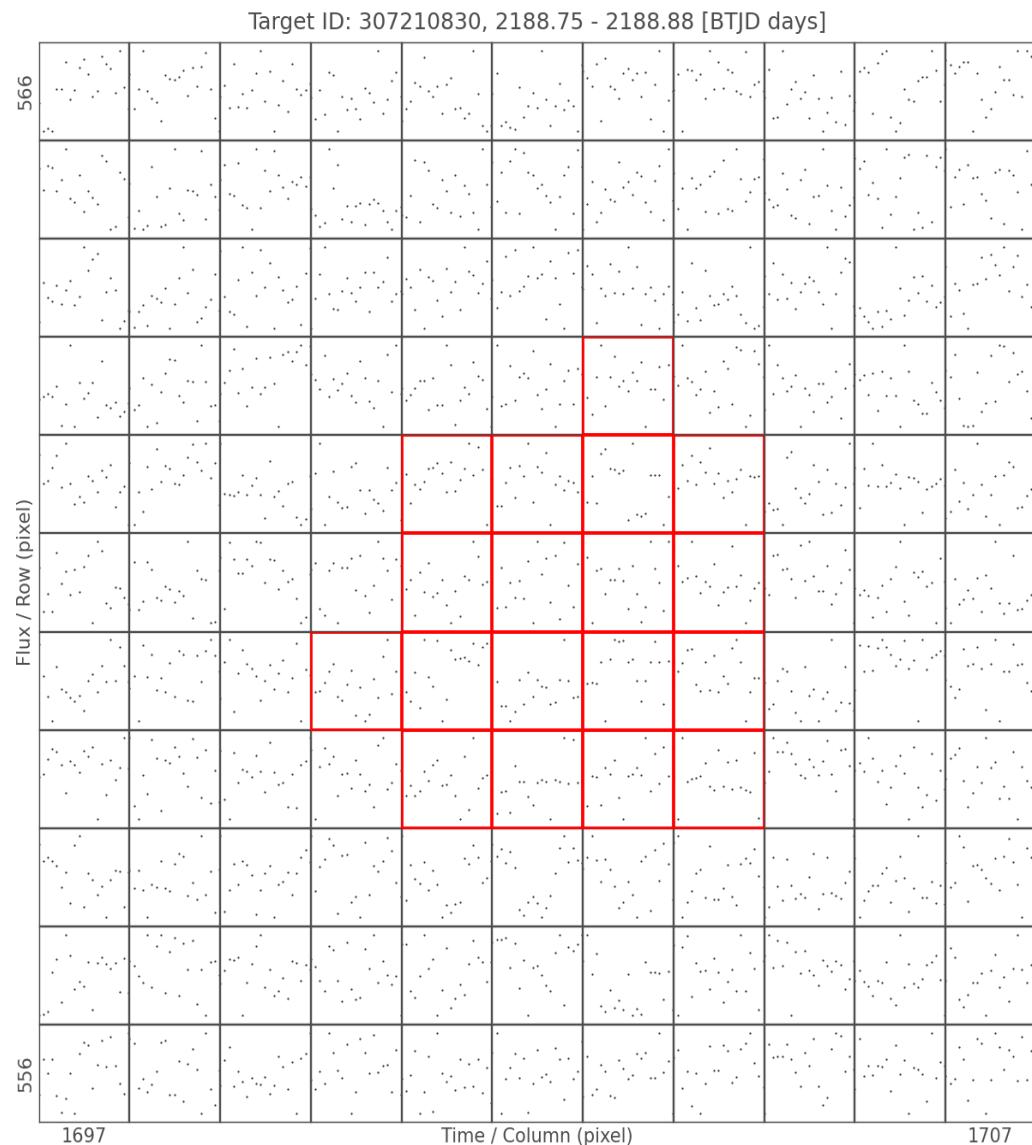
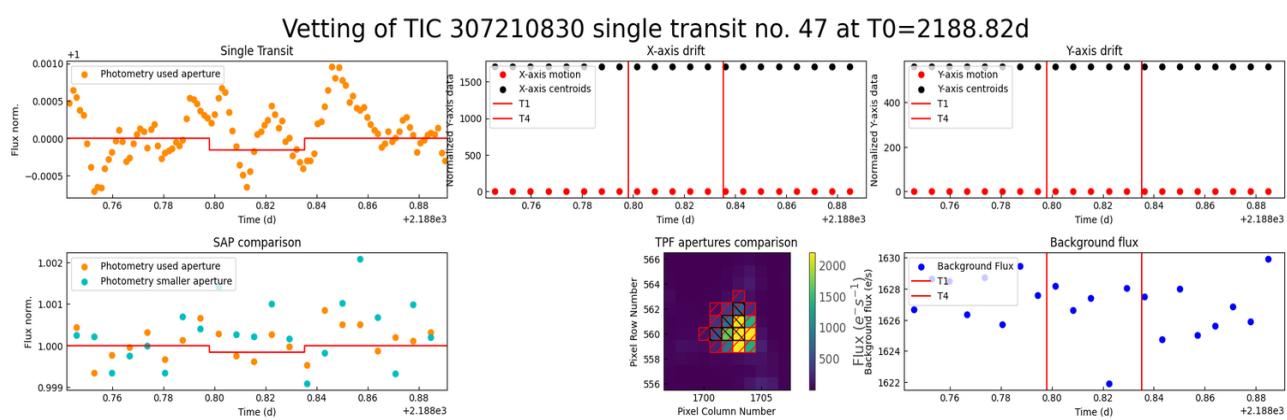


Figure 60: The single transit no. 47 vetting plots

WATSON Transits Validation Report: TIC 307210830

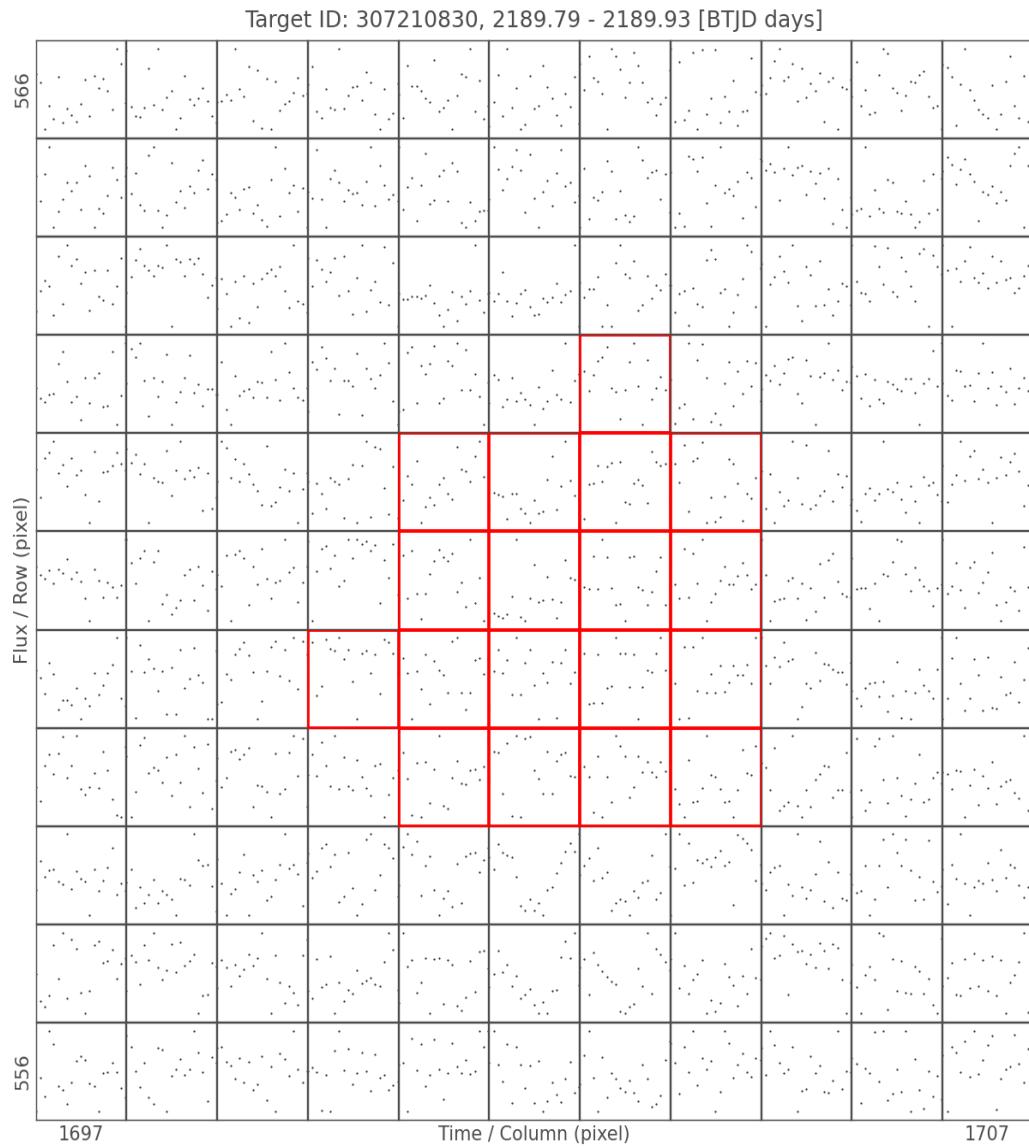
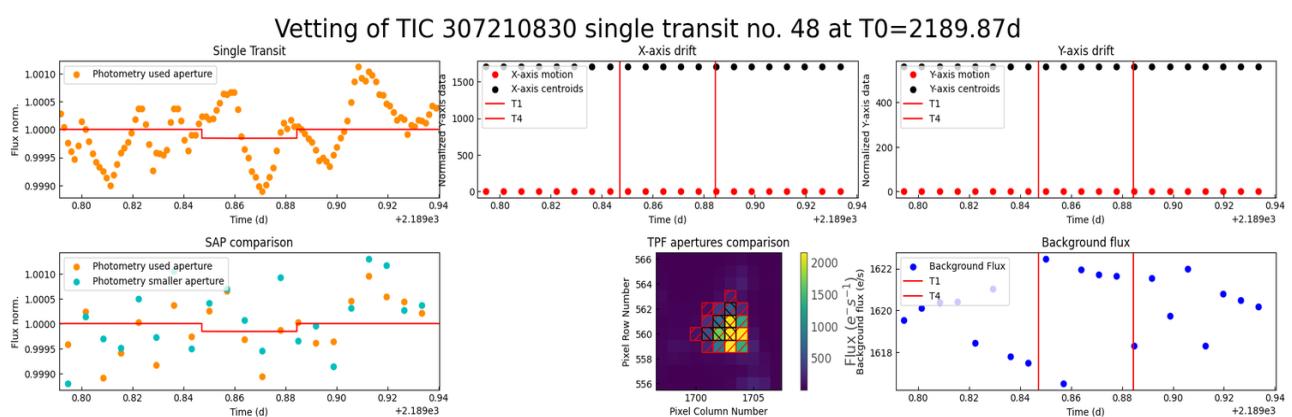


Figure 61: The single transit no. 48 vetting plots

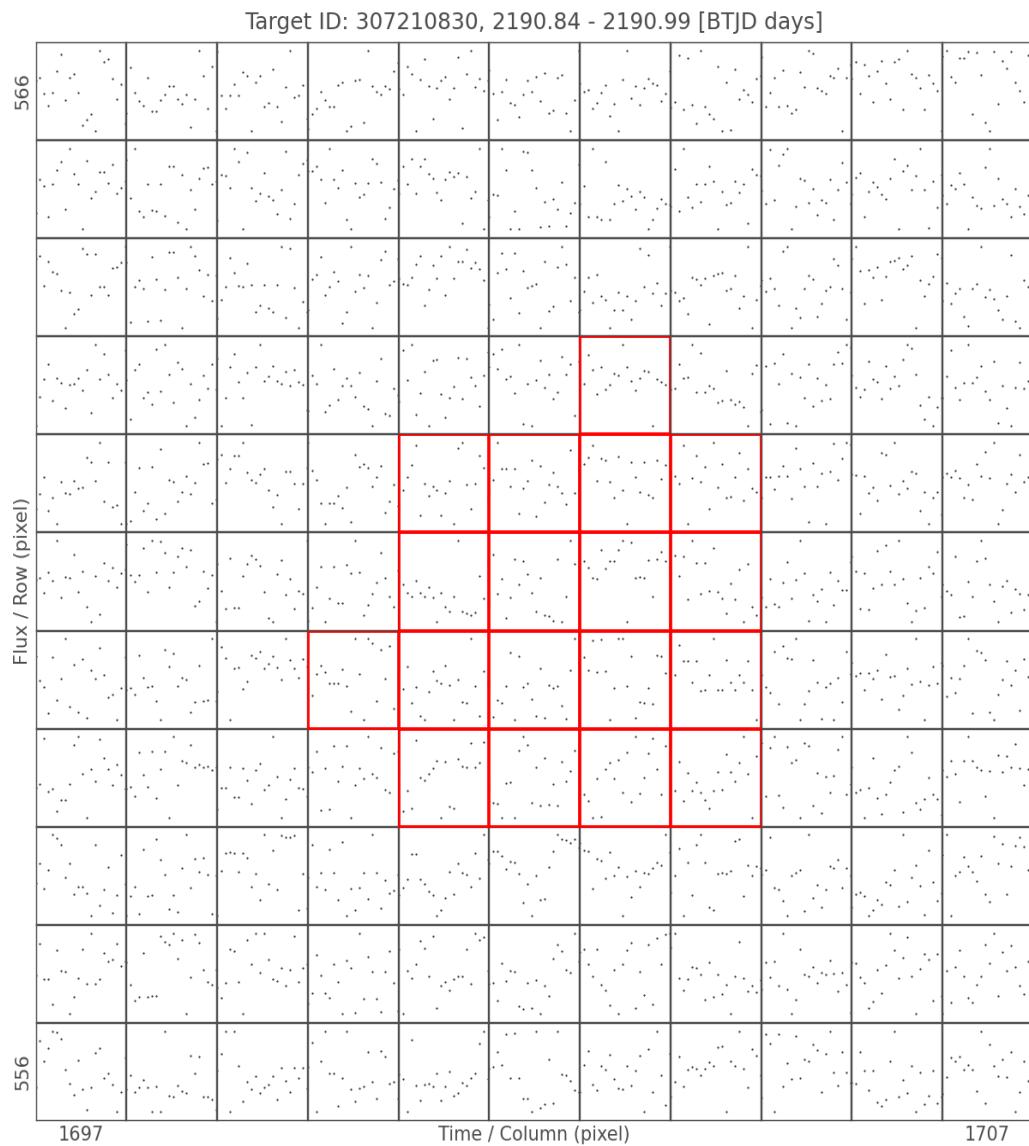
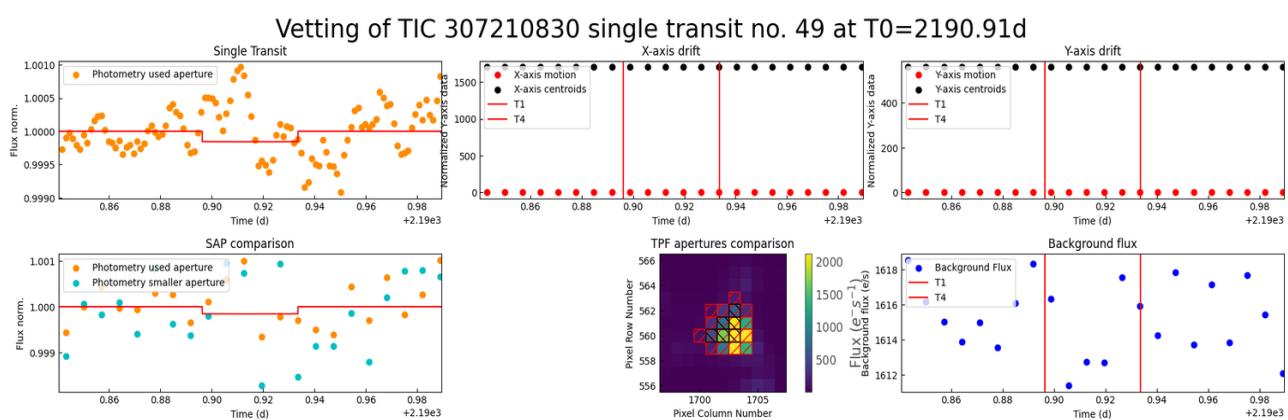


Figure 62: The single transit no. 49 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:32

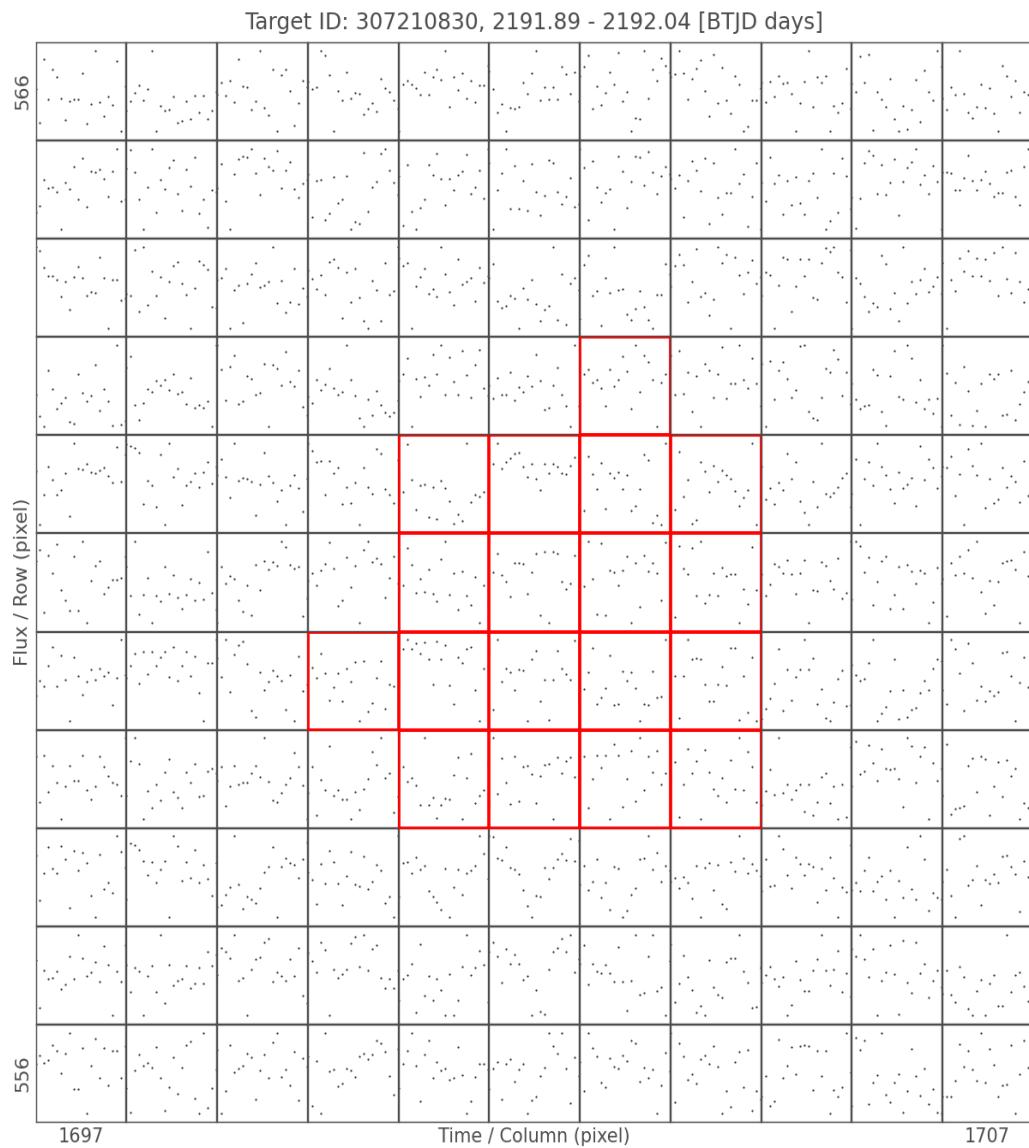
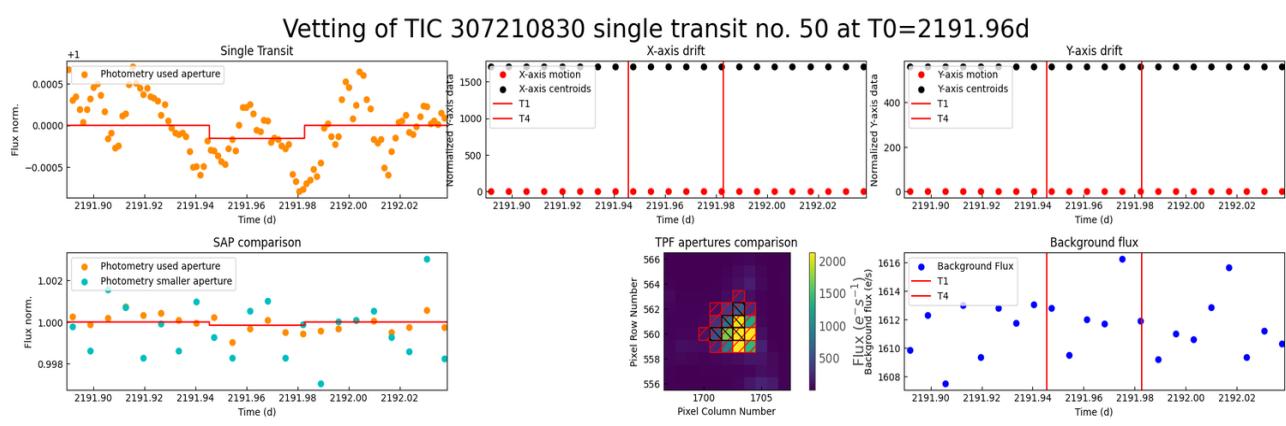


Figure 63: The single transit no. 50 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:33

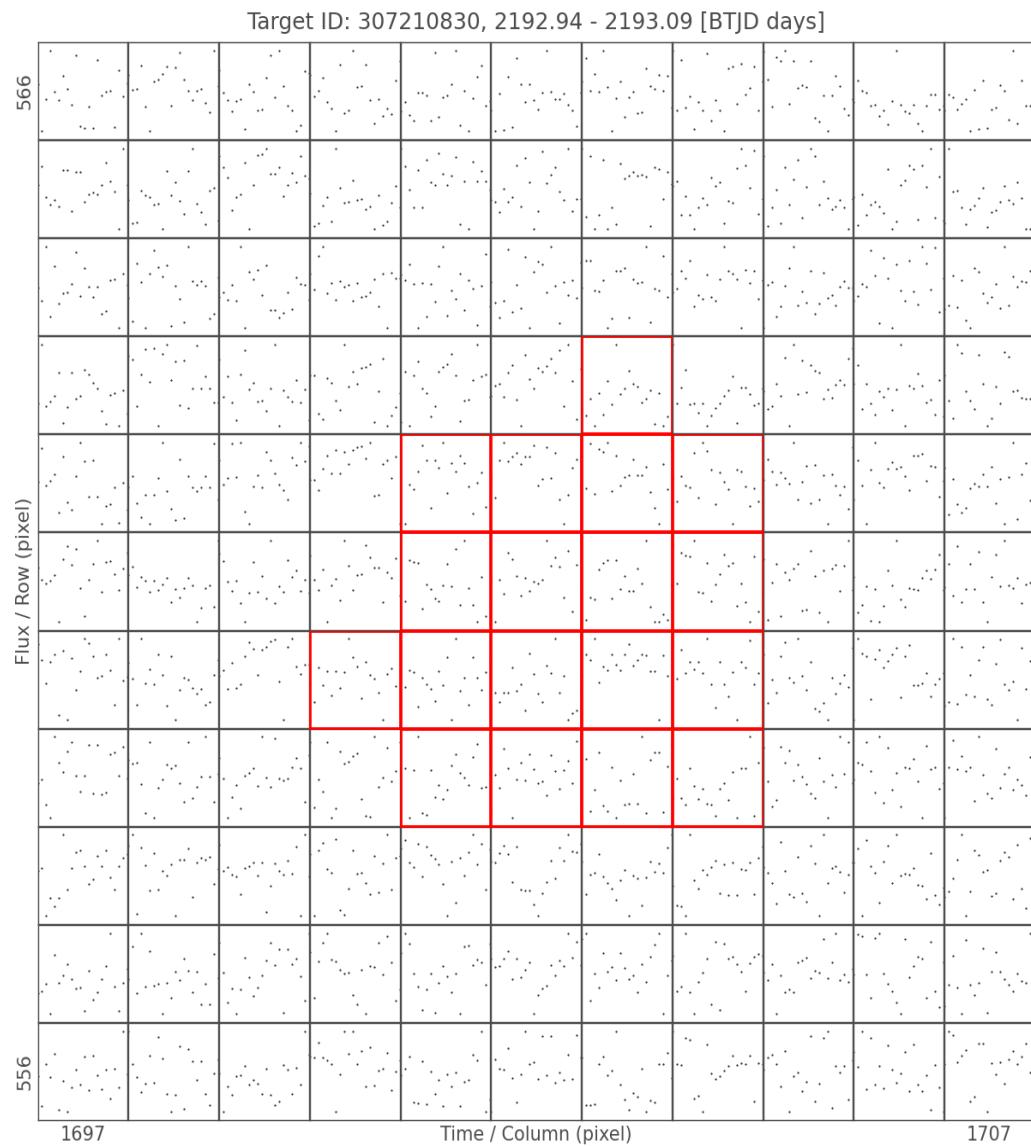
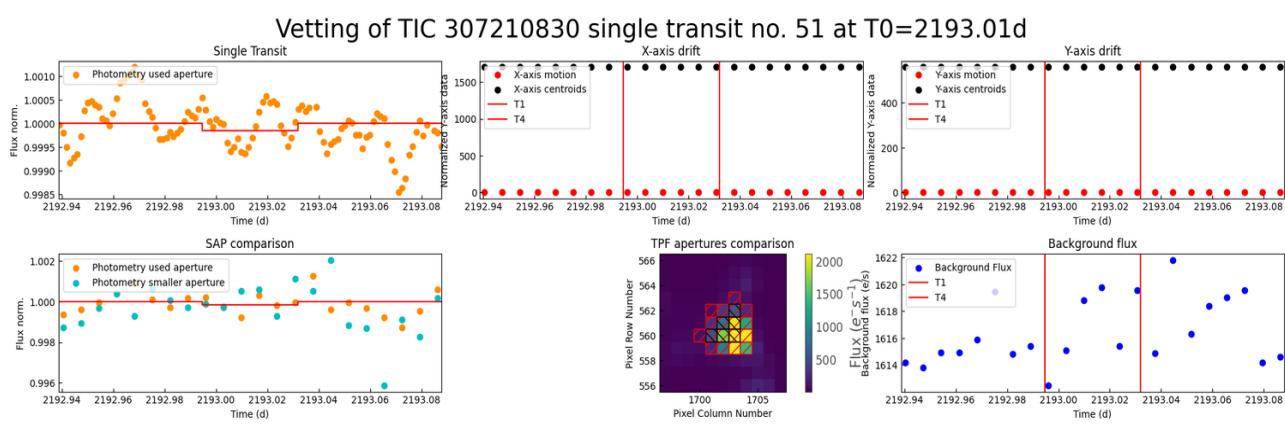


Figure 64: The single transit no. 51 vetting plots

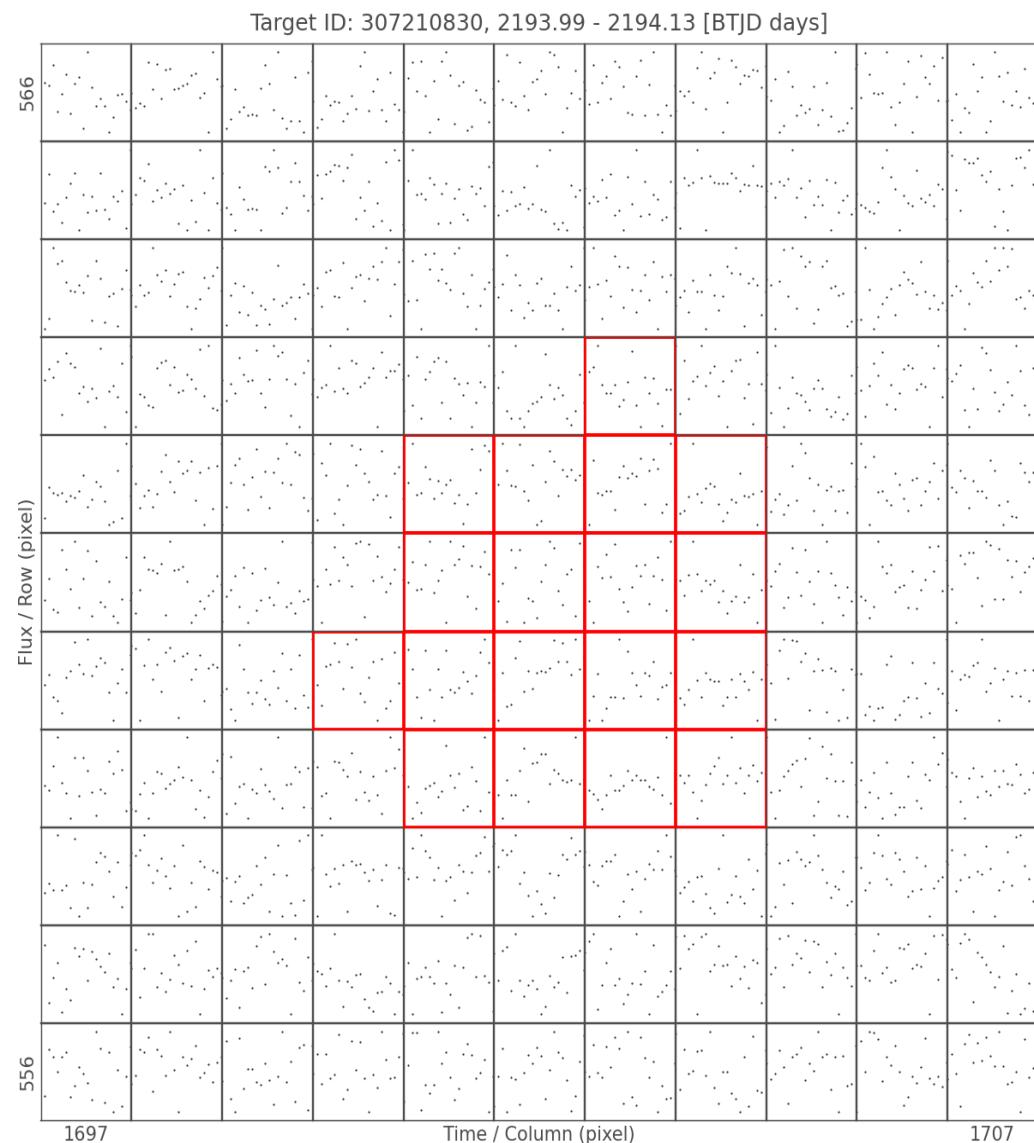
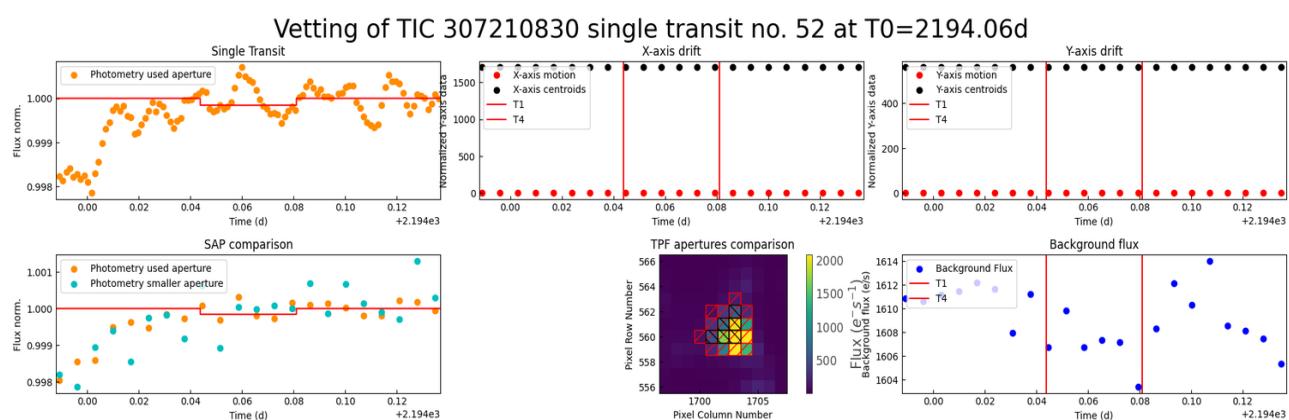


Figure 65: The single transit no. 52 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:33

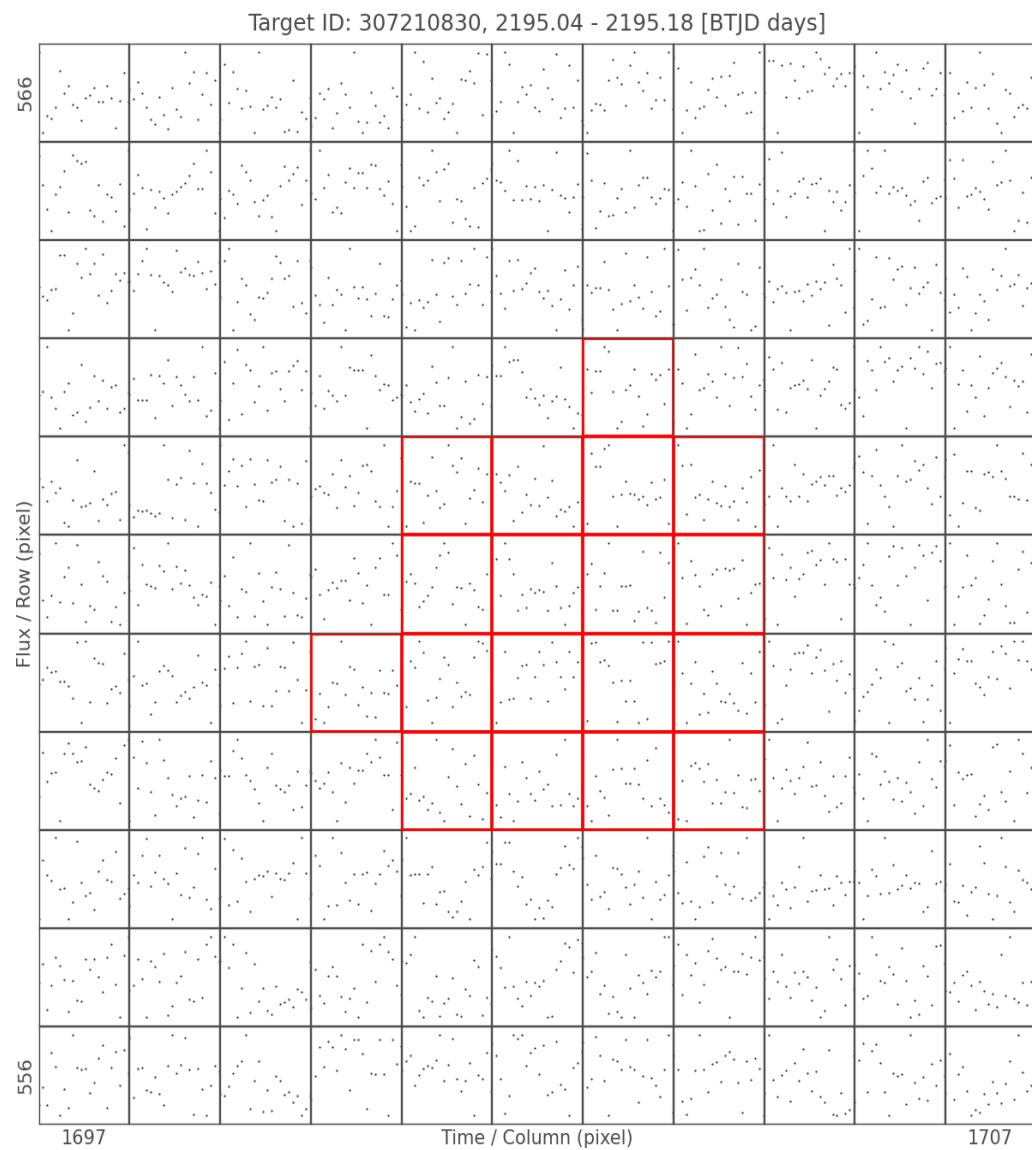
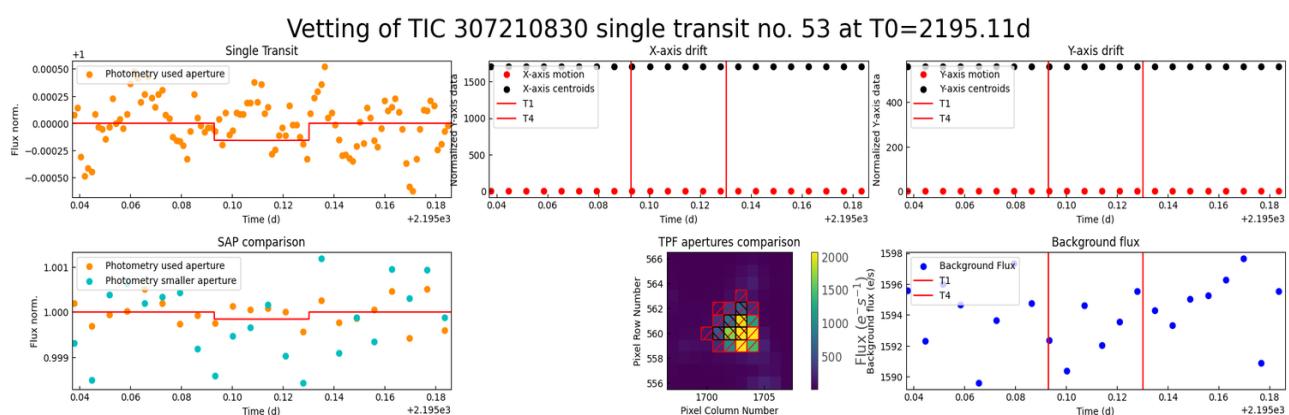


Figure 66: The single transit no. 53 vetting plots

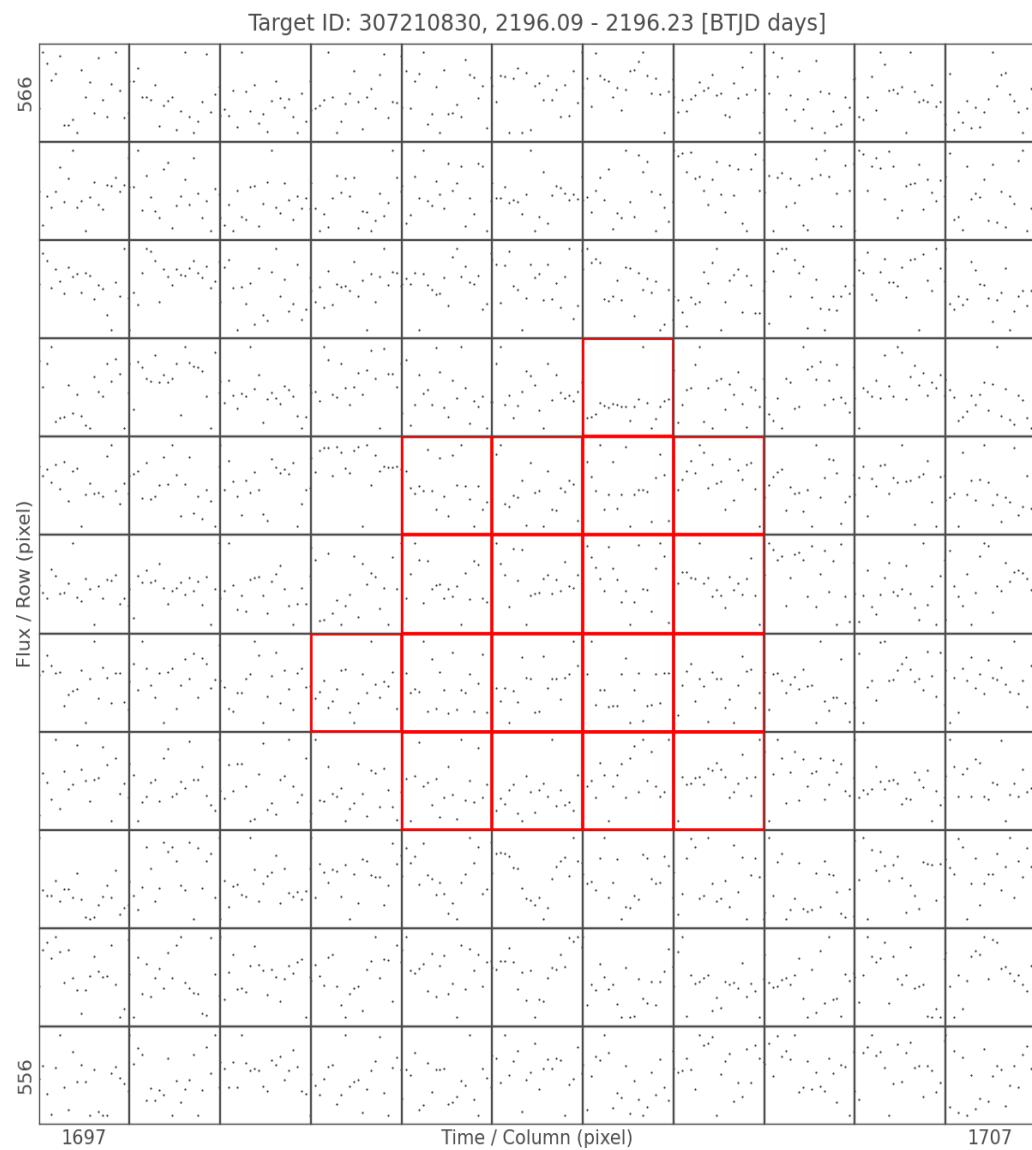
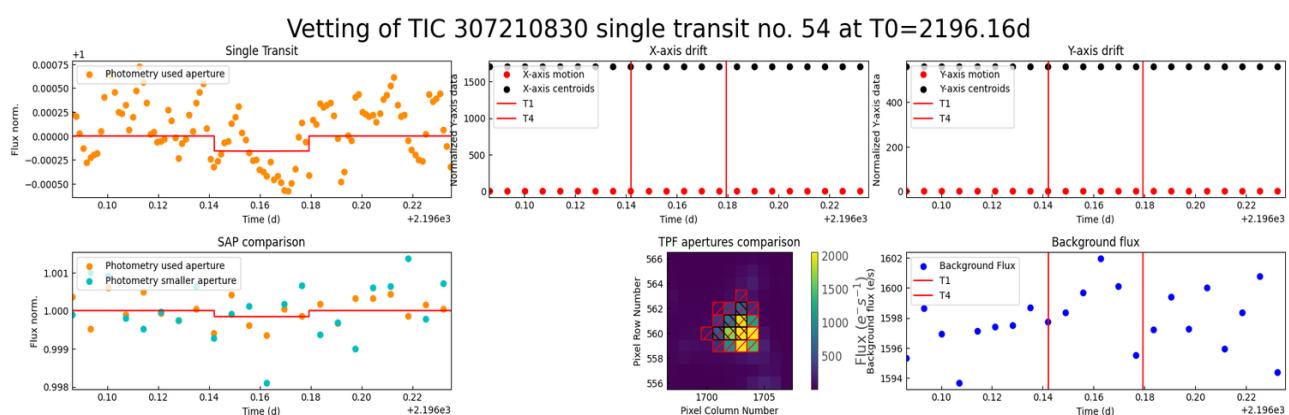


Figure 67: The single transit no. 54 vetting plots

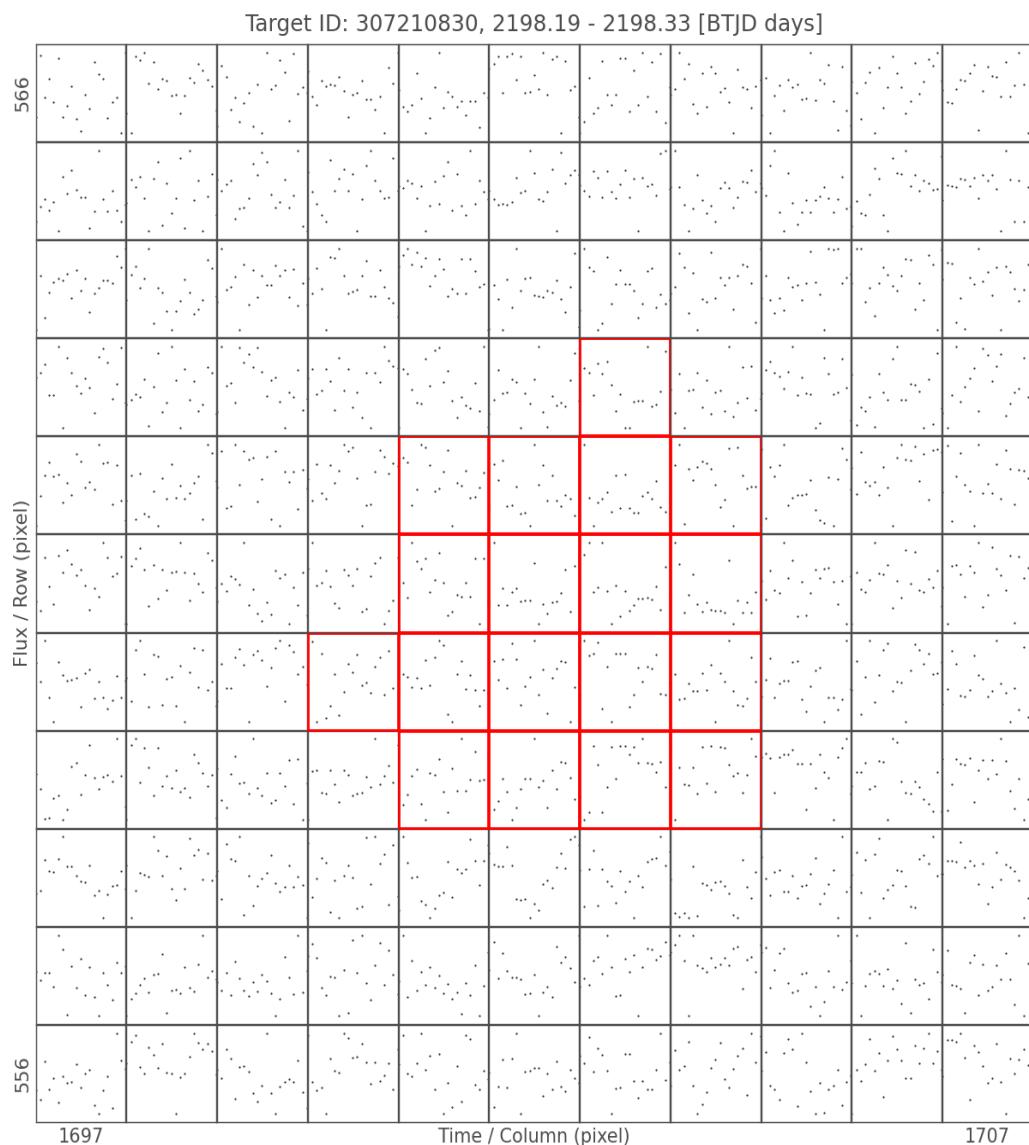
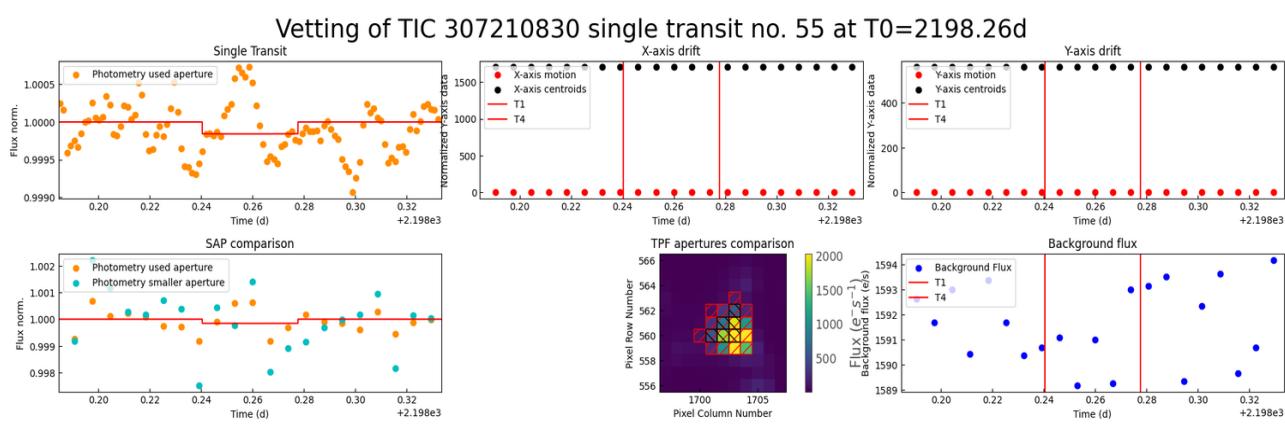
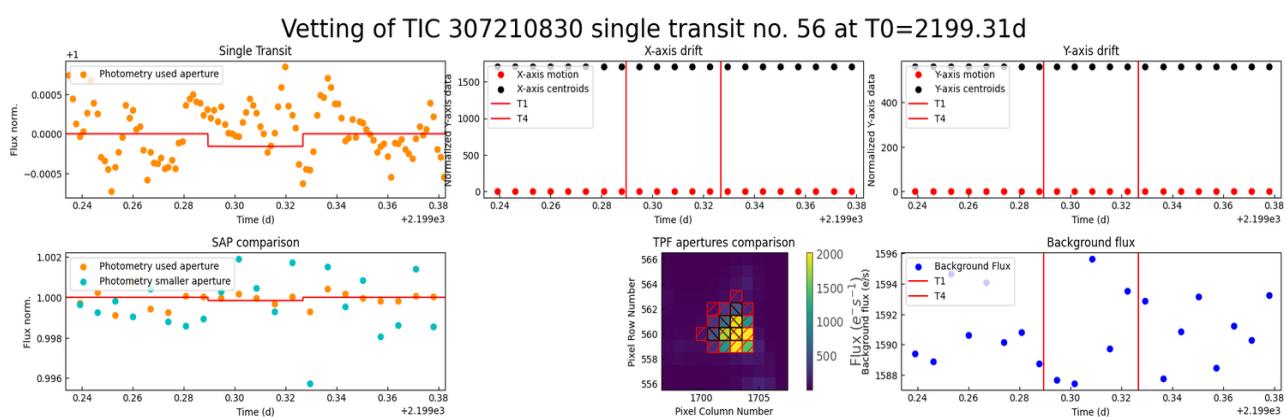


Figure 68: The single transit no. 55 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:34



Target ID: 307210830, 2199.24 - 2199.38 [BTJD days]

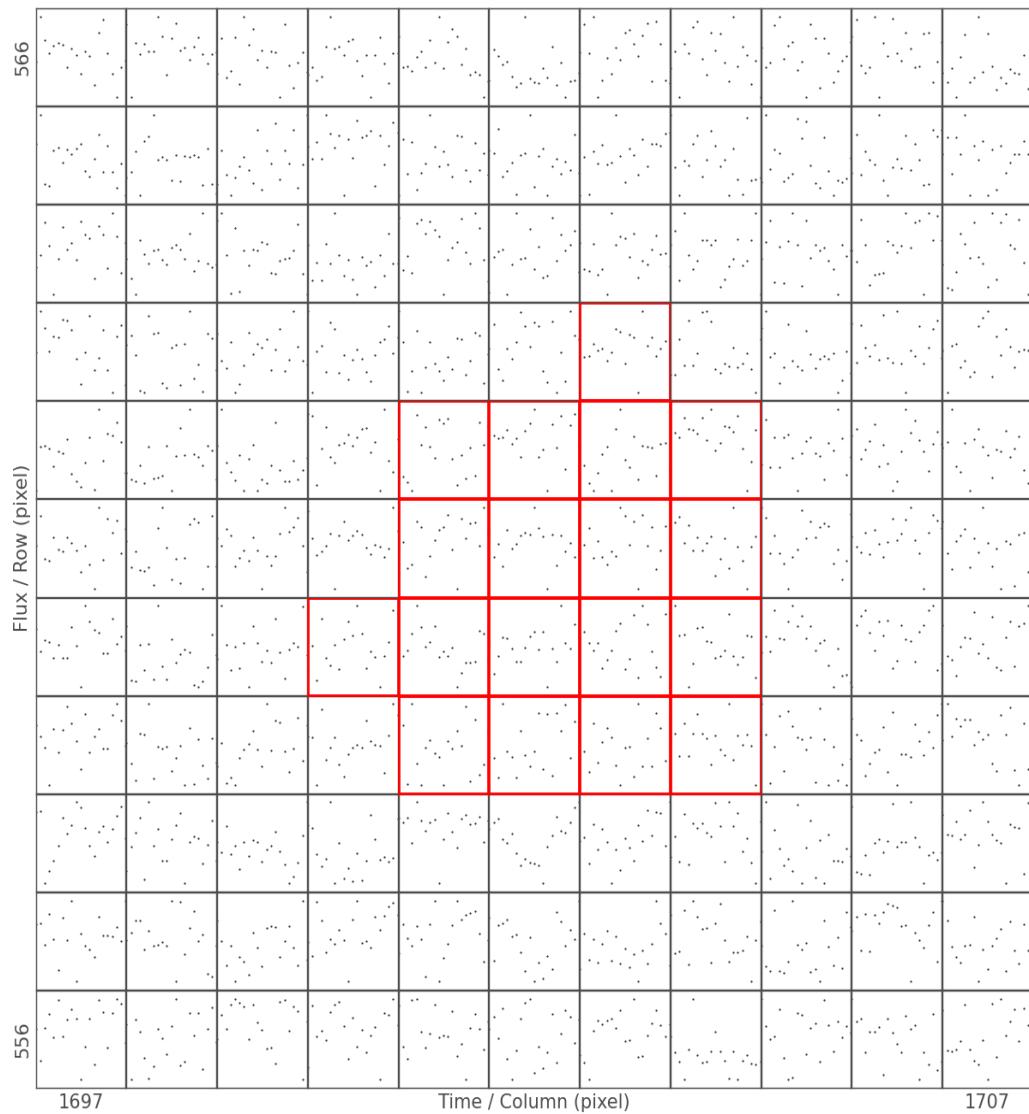


Figure 69: The single transit no. 56 vetting plots

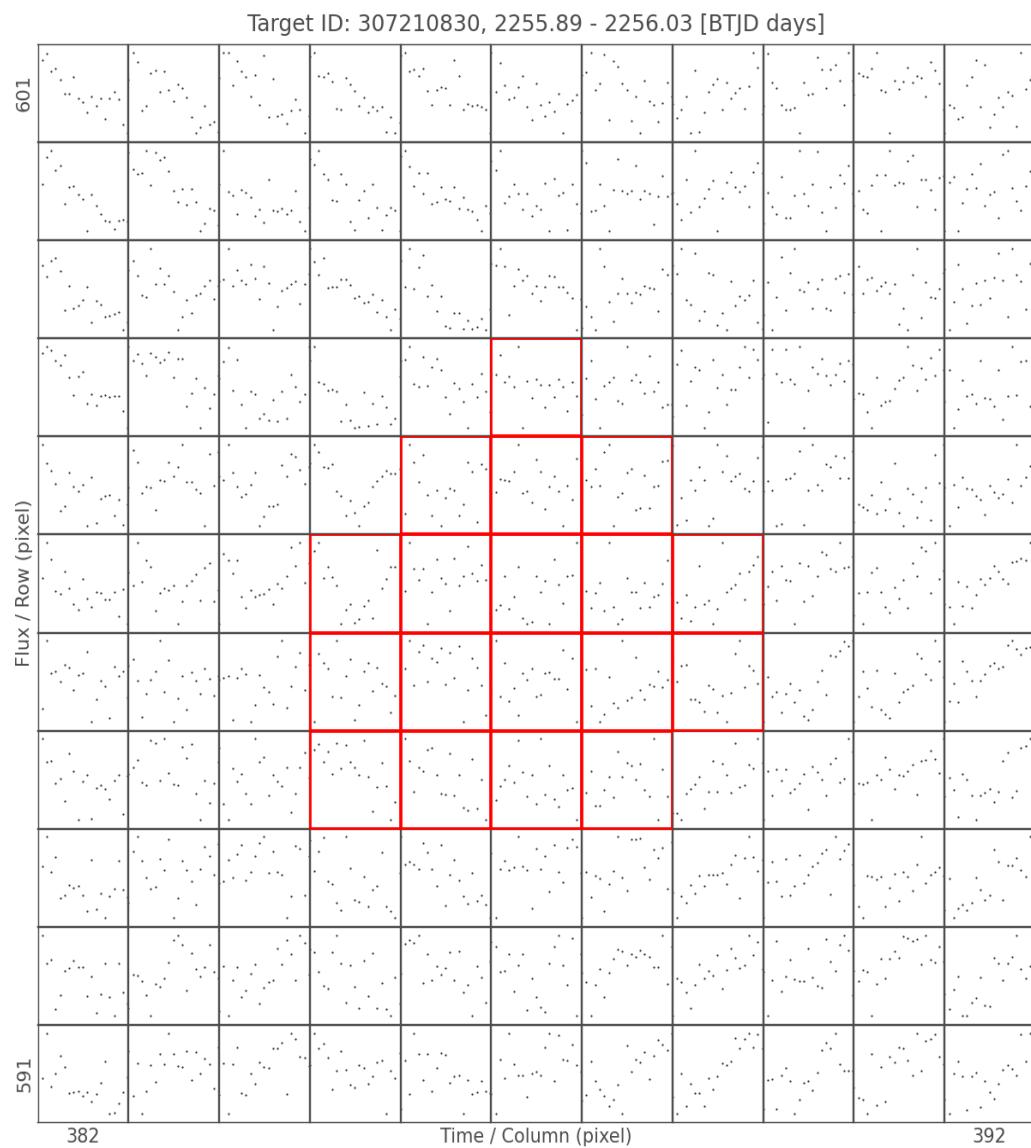
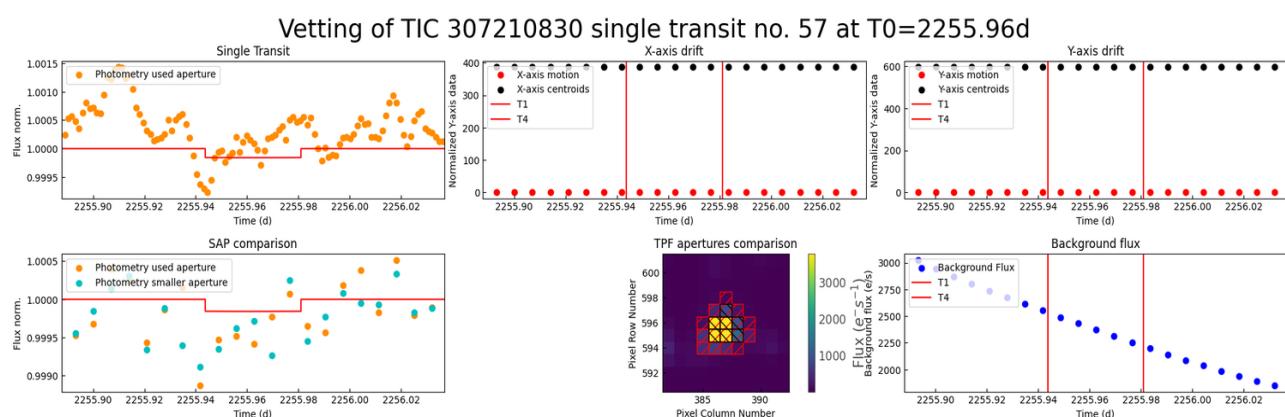


Figure 70: The single transit no. 57 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:34

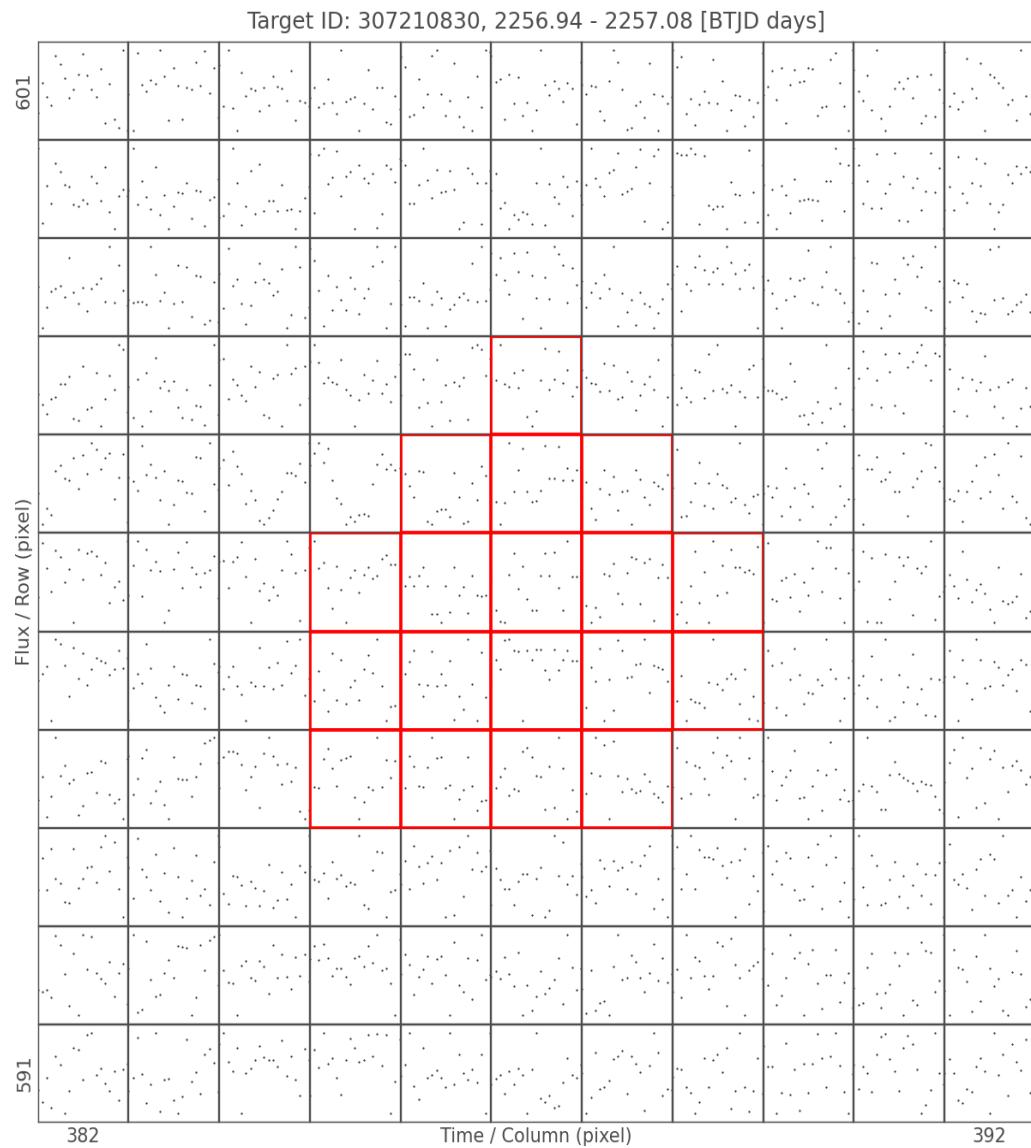
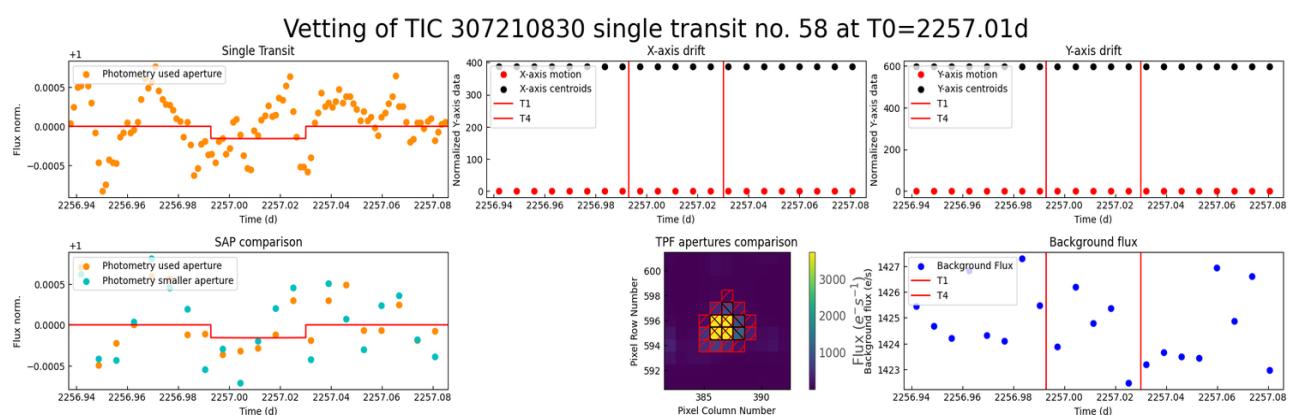


Figure 71: The single transit no. 58 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:34

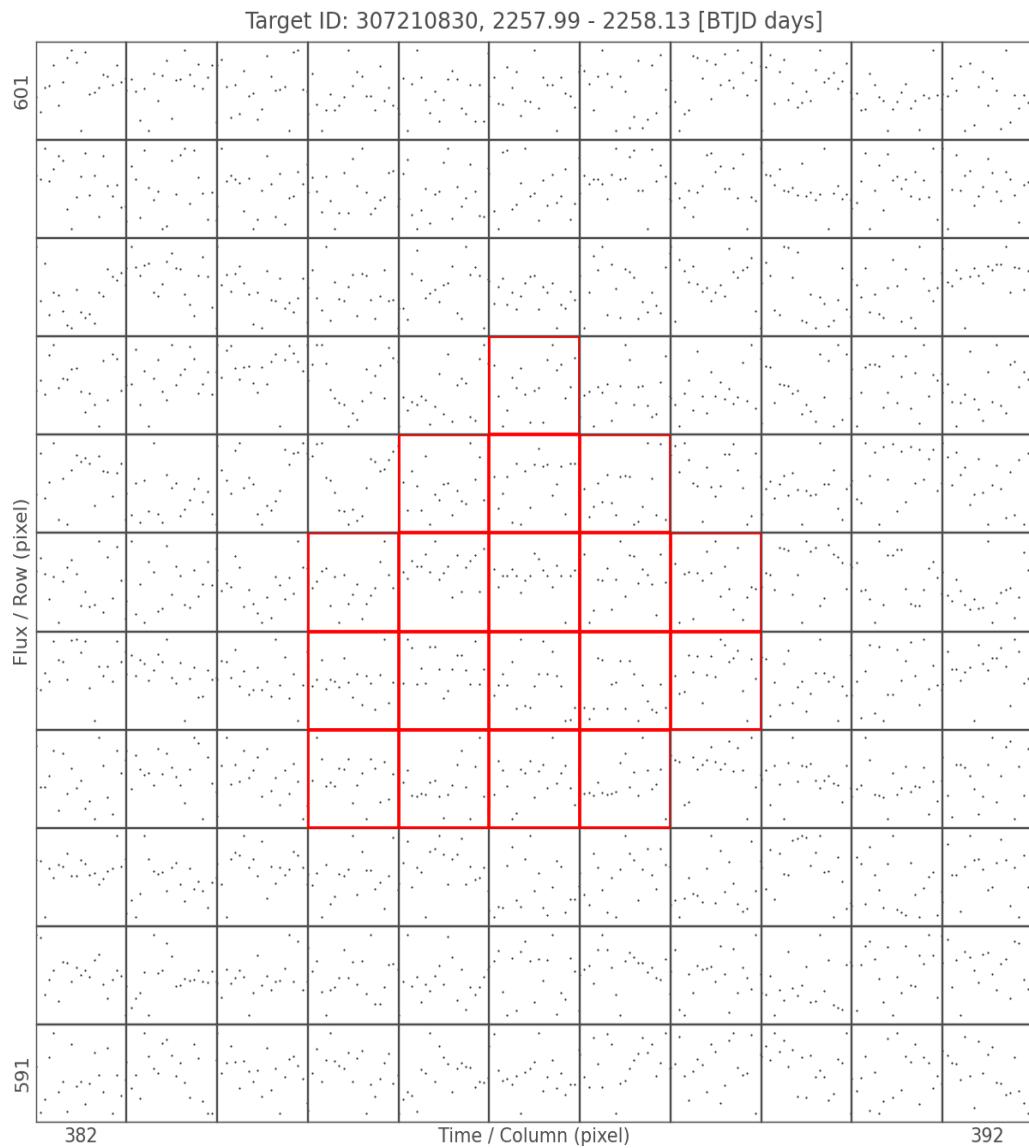
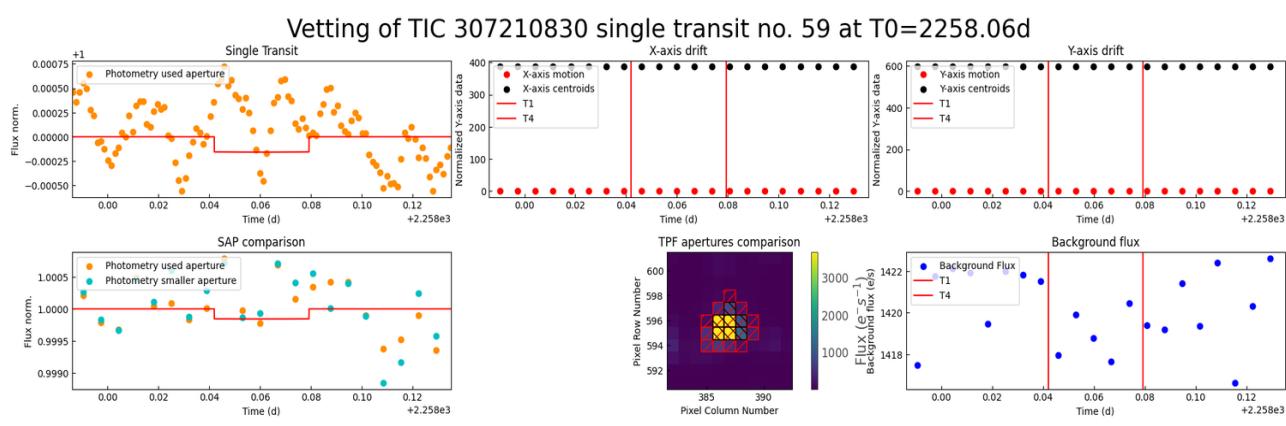


Figure 72: The single transit no. 59 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:34

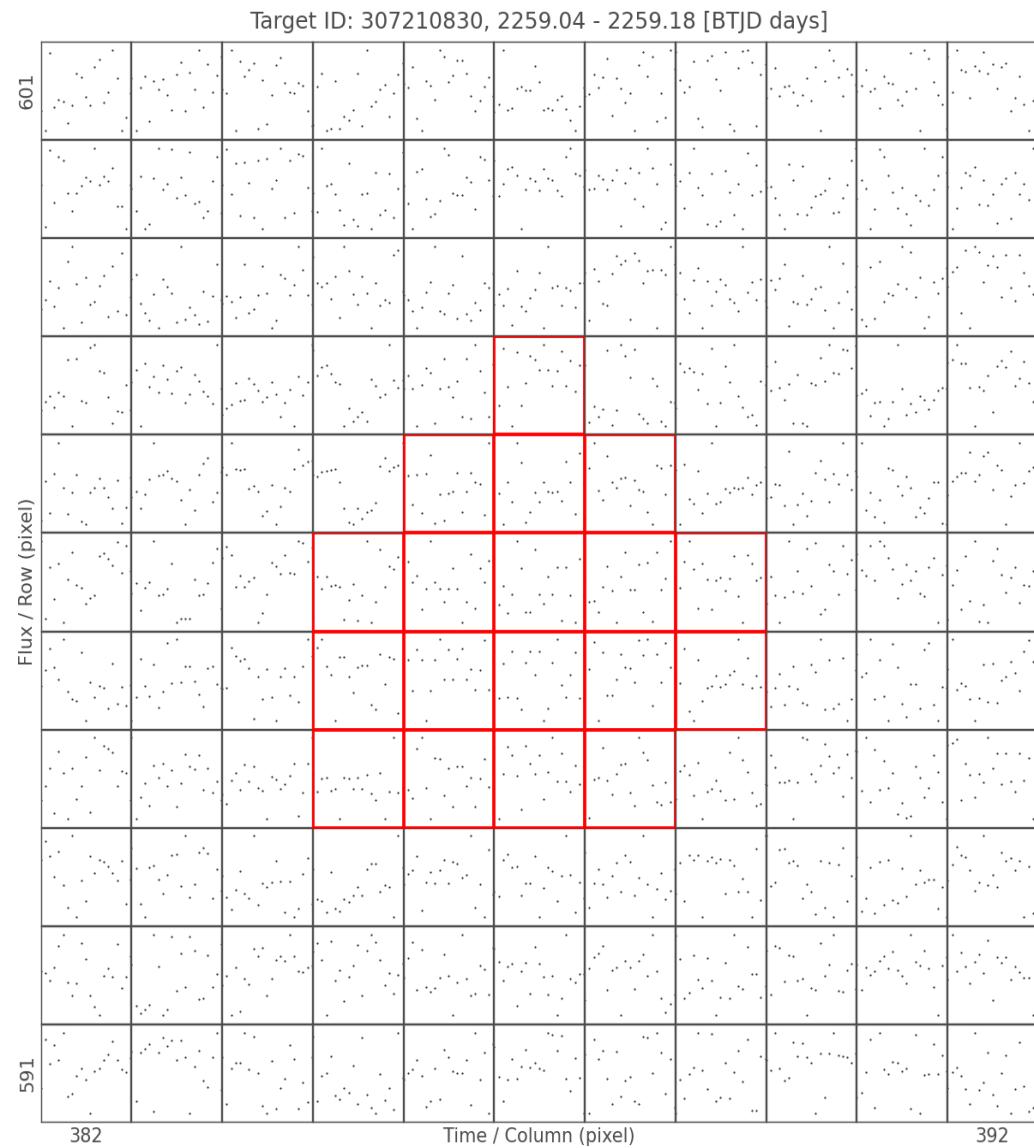
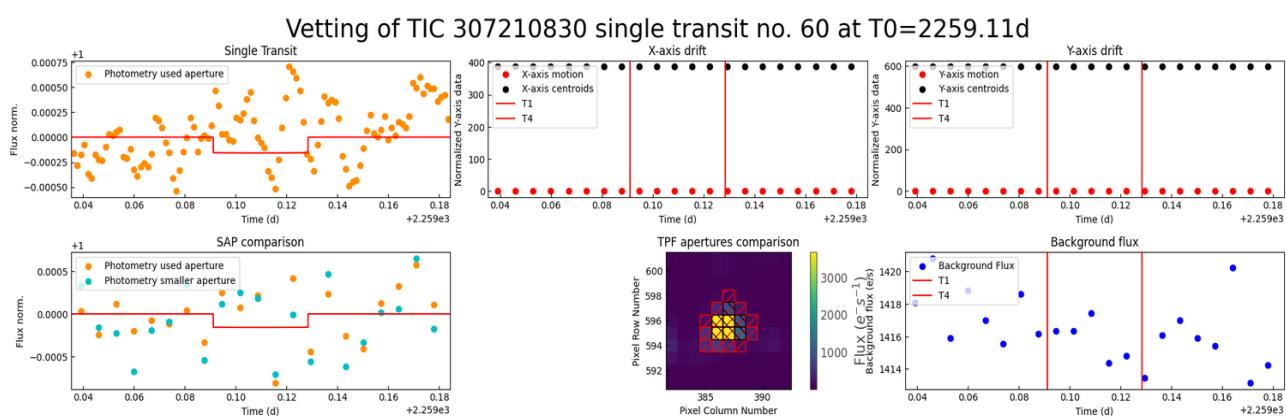
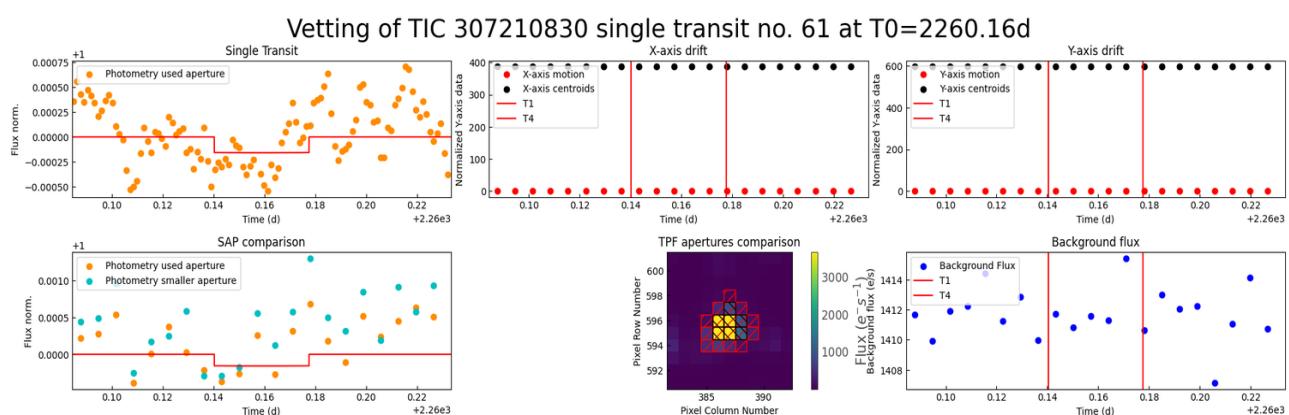


Figure 73: The single transit no. 60 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2260.09 - 2260.23 [BTJD days]

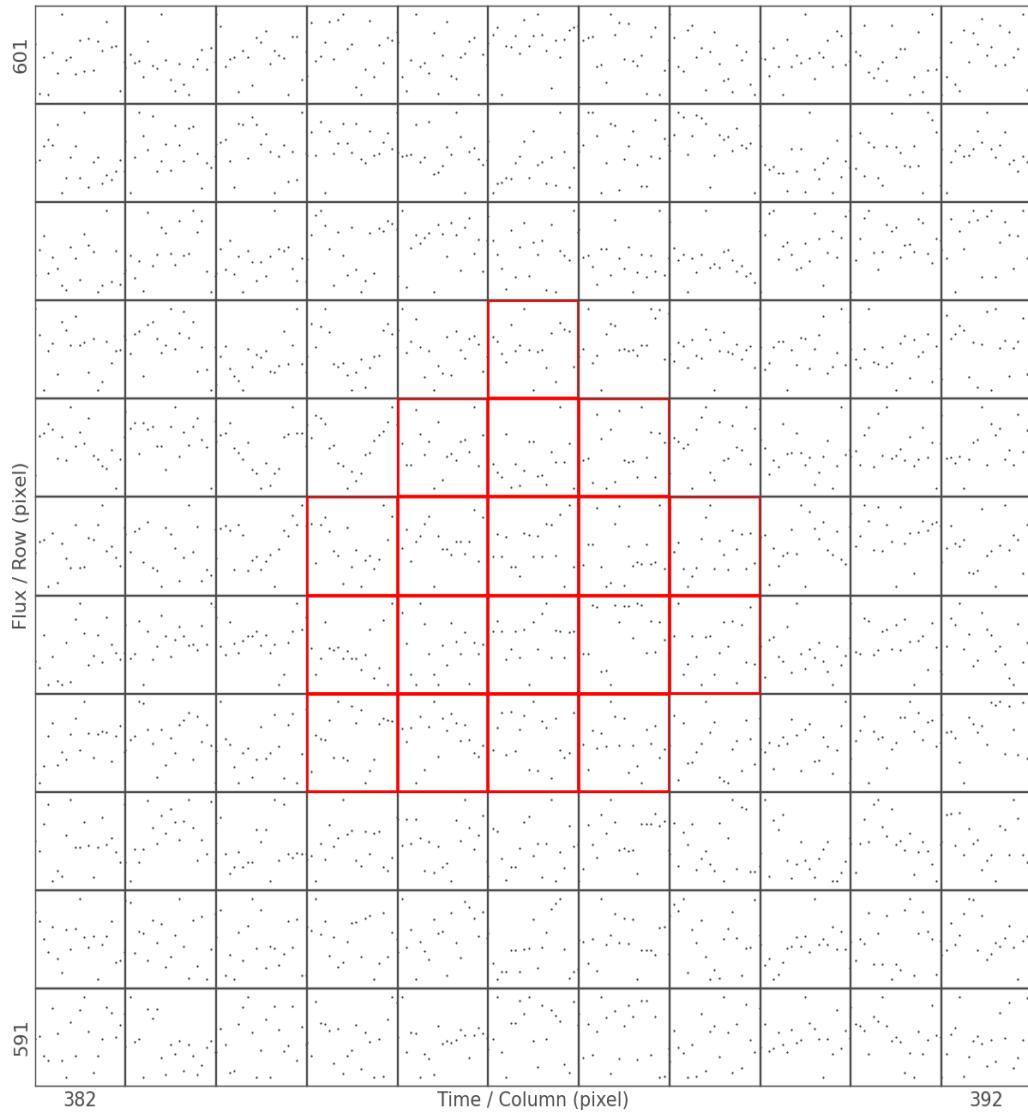


Figure 74: The single transit no. 61 vetting plots

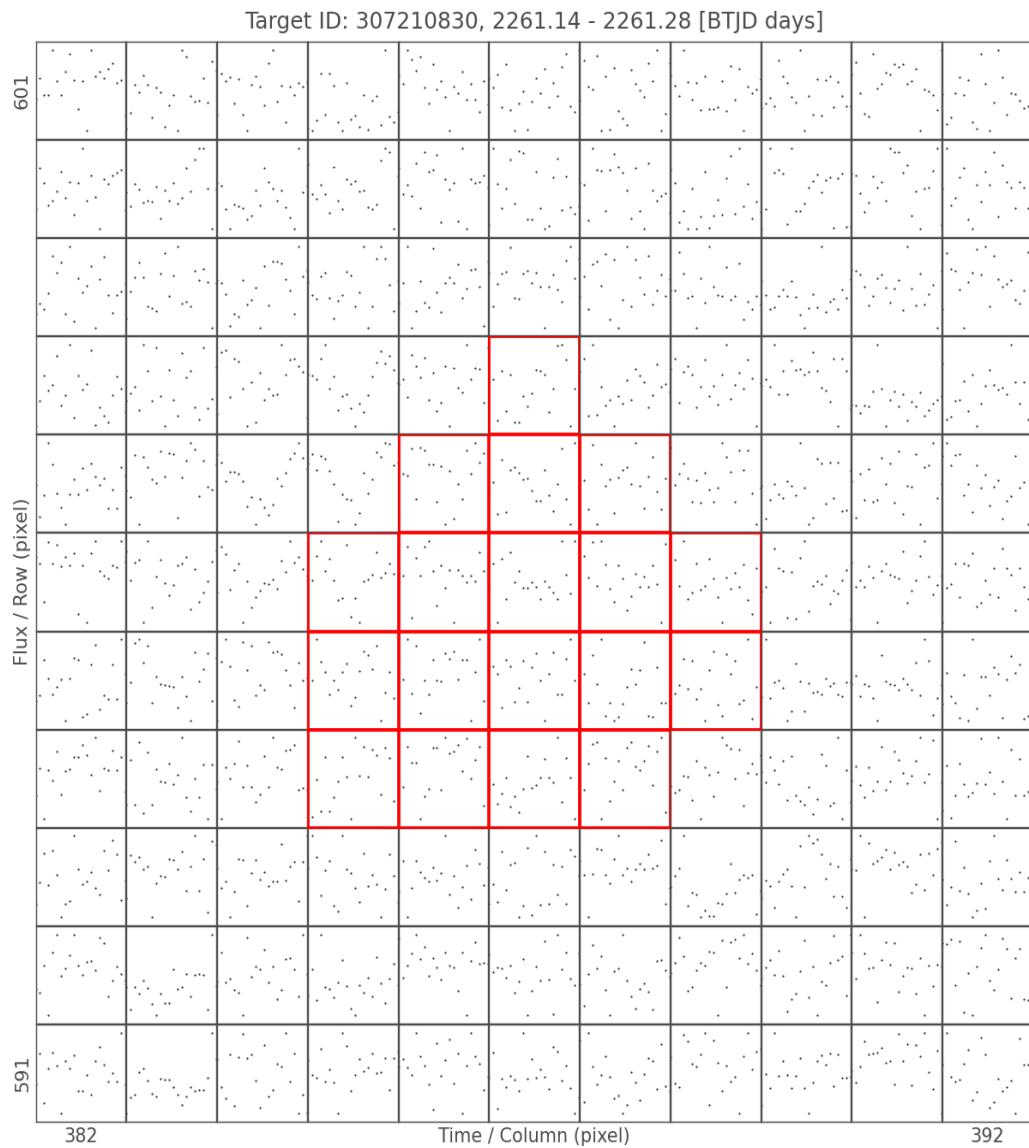
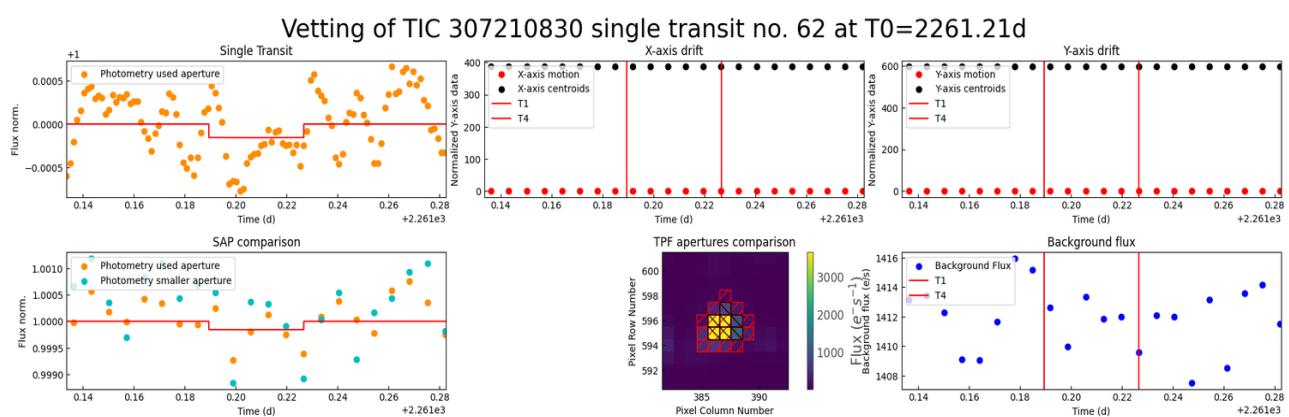


Figure 75: The single transit no. 62 vetting plots

WATSON Transits Validation Report: TIC 307210830

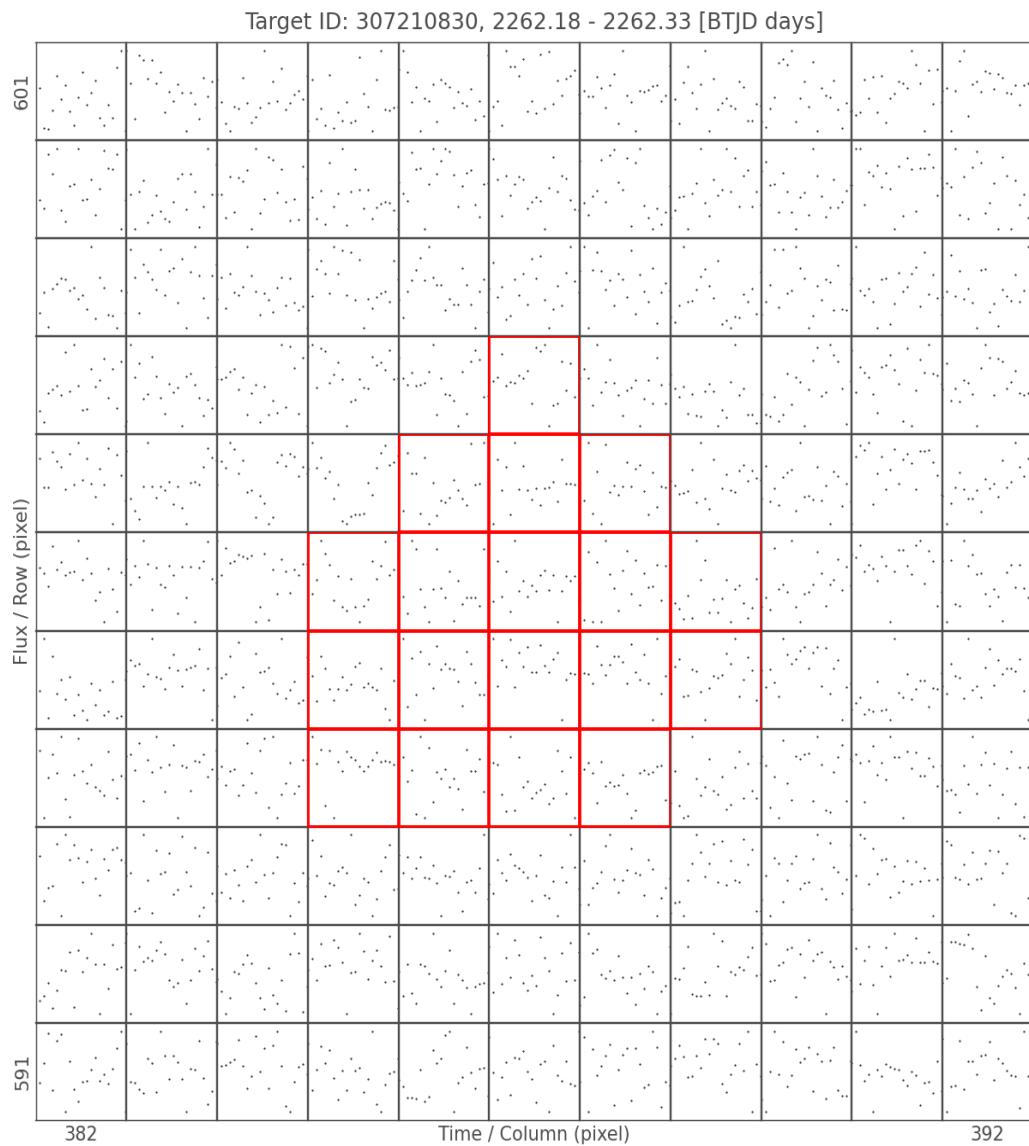
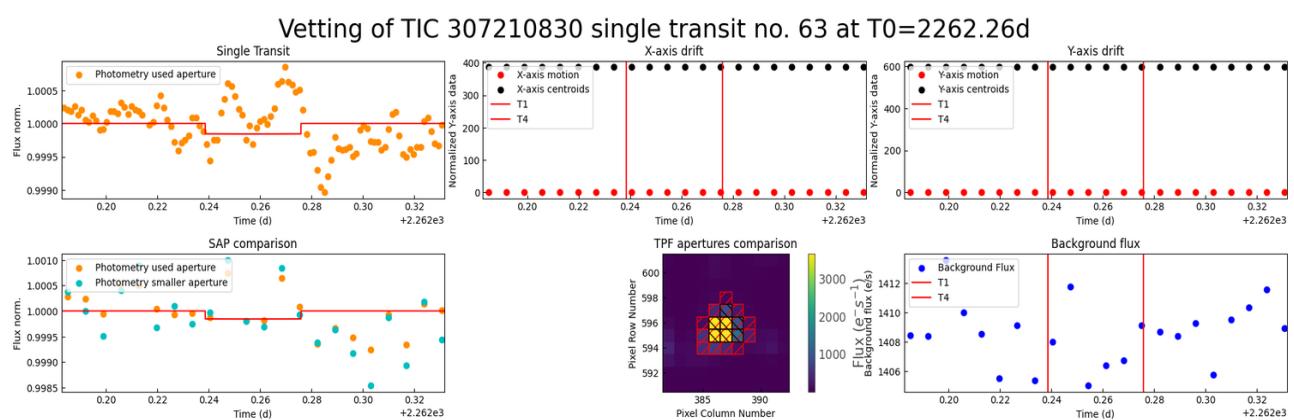


Figure 76: The single transit no. 63 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:35

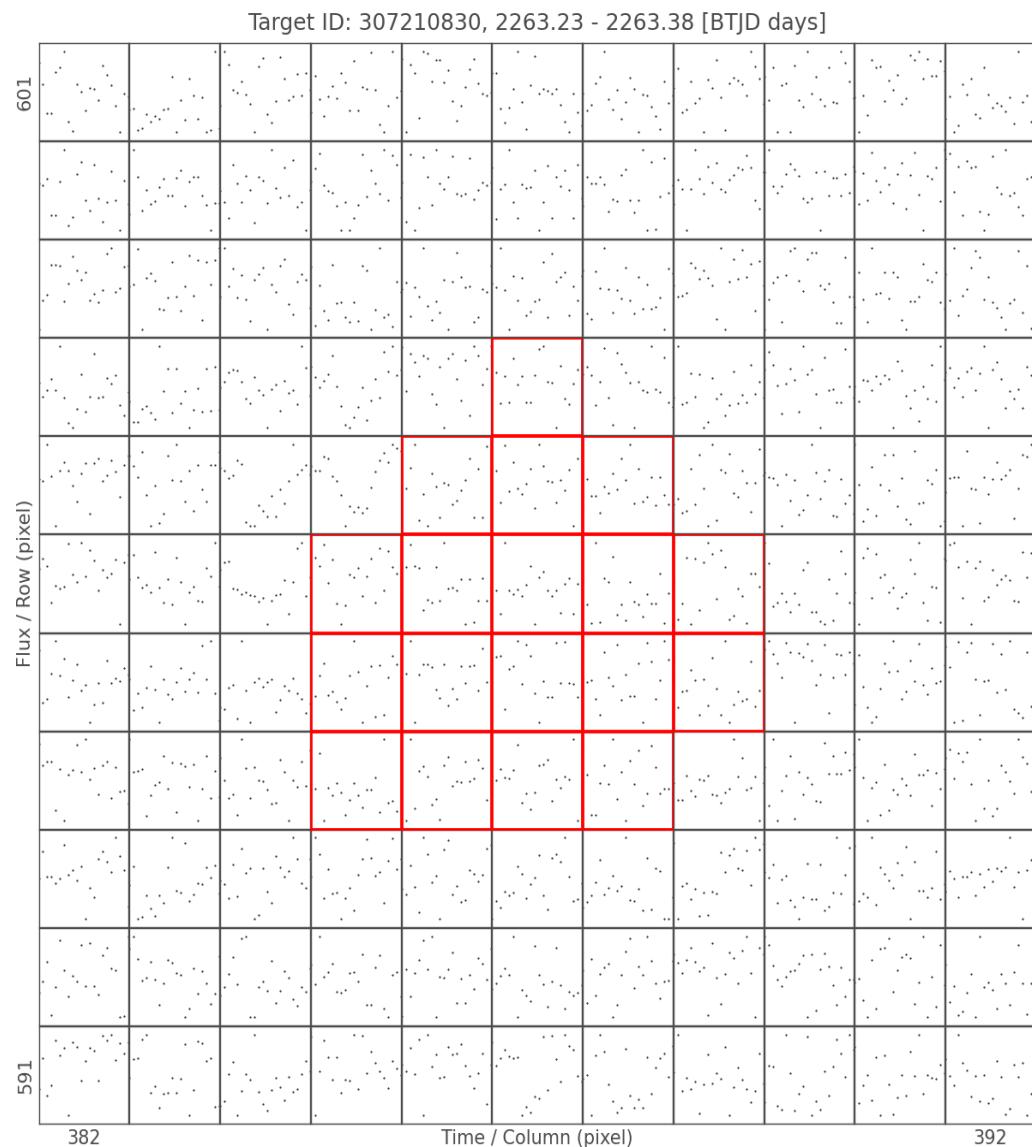
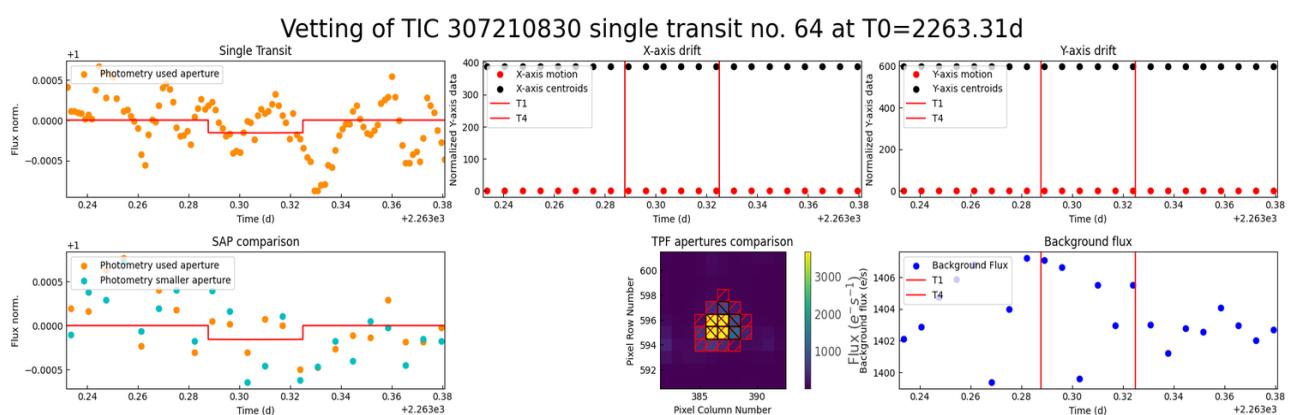


Figure 77: The single transit no. 64 vetting plots

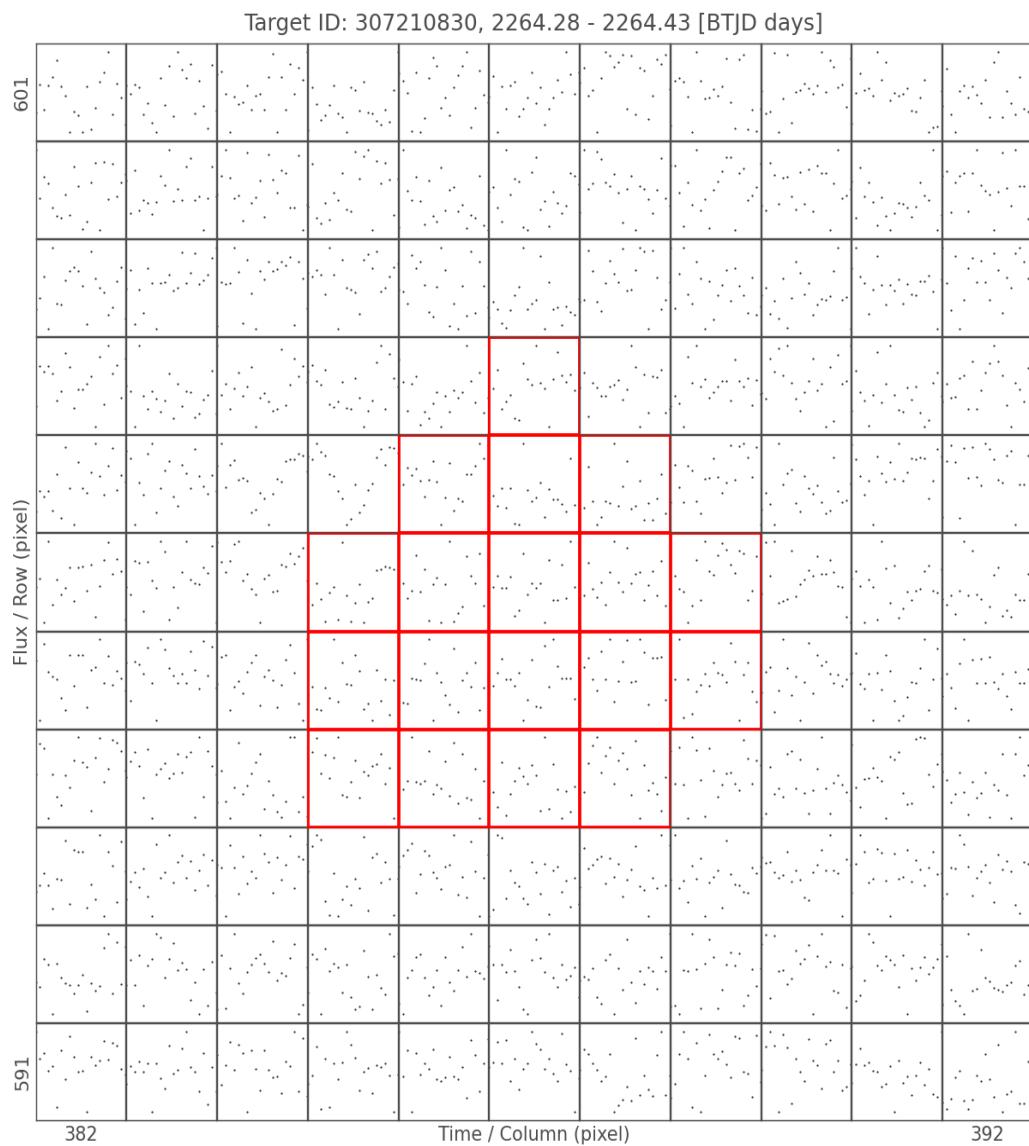
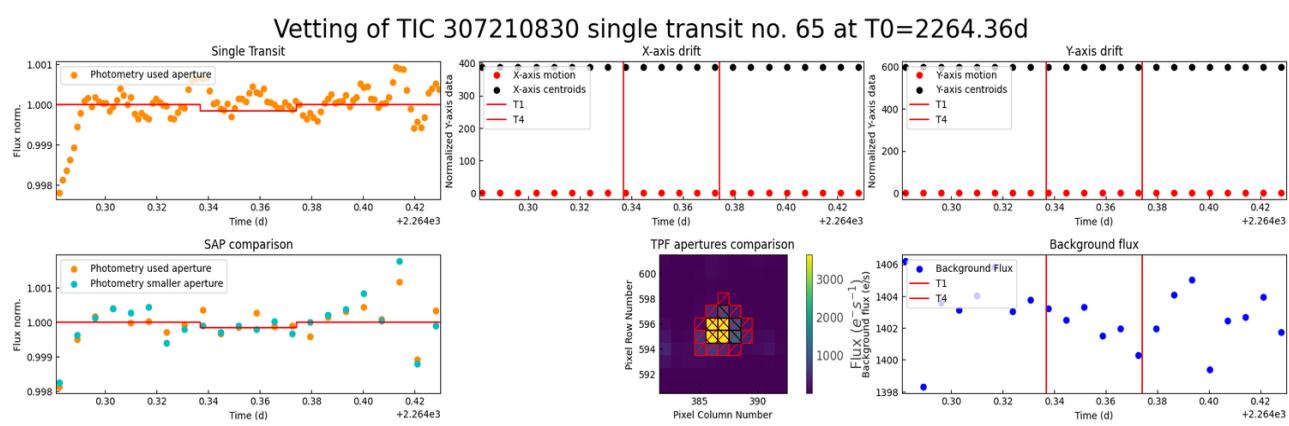
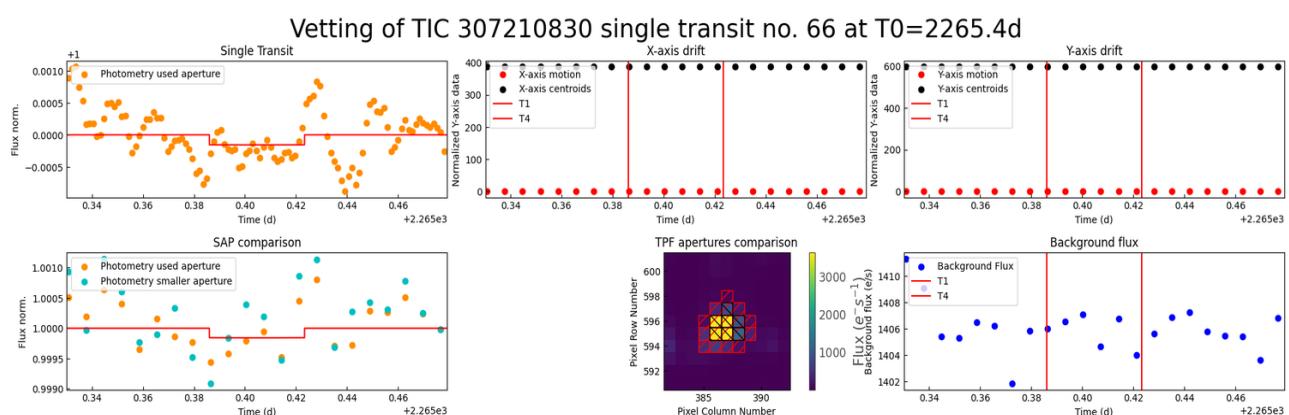


Figure 78: The single transit no. 65 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2265.33 - 2265.48 [BTJD days]

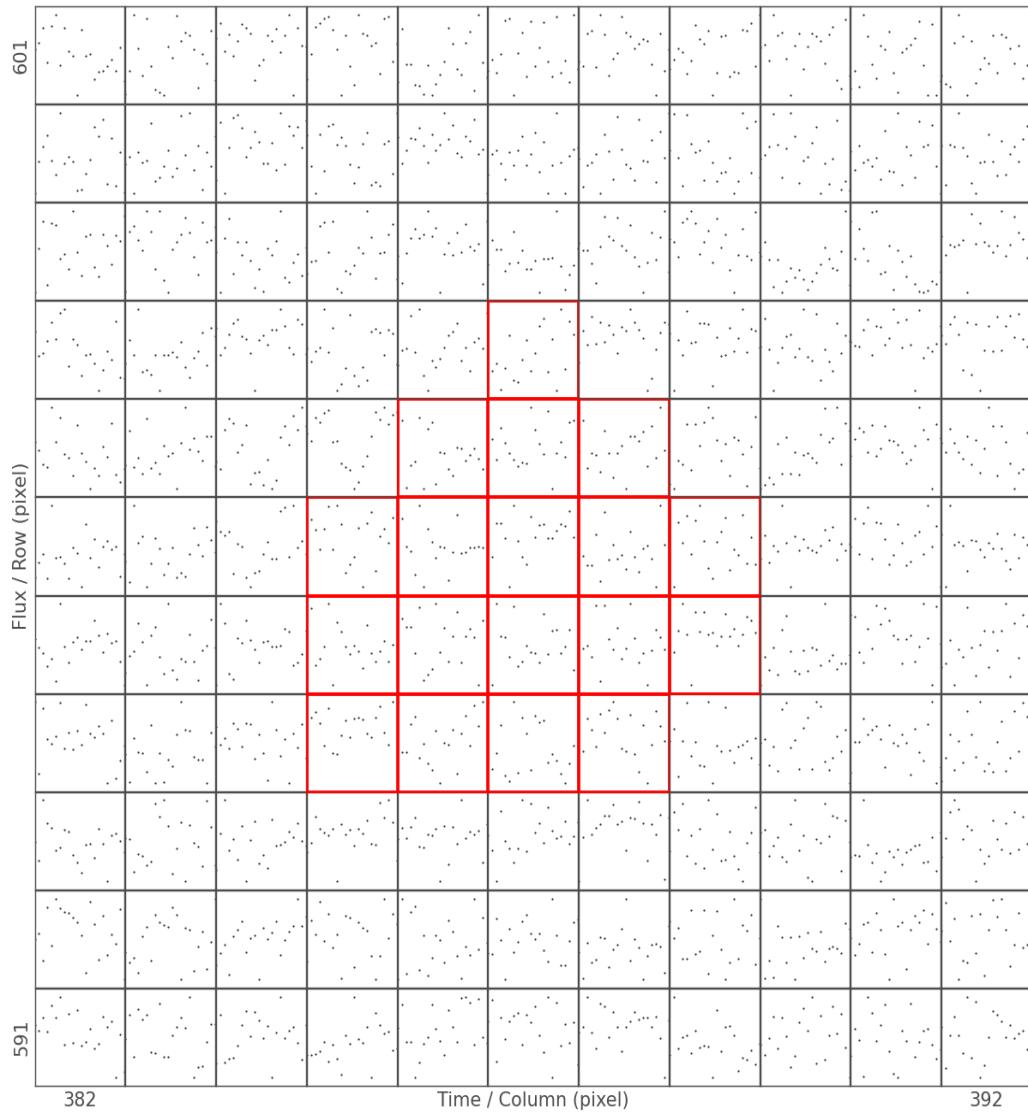


Figure 79: The single transit no. 66 vetting plots

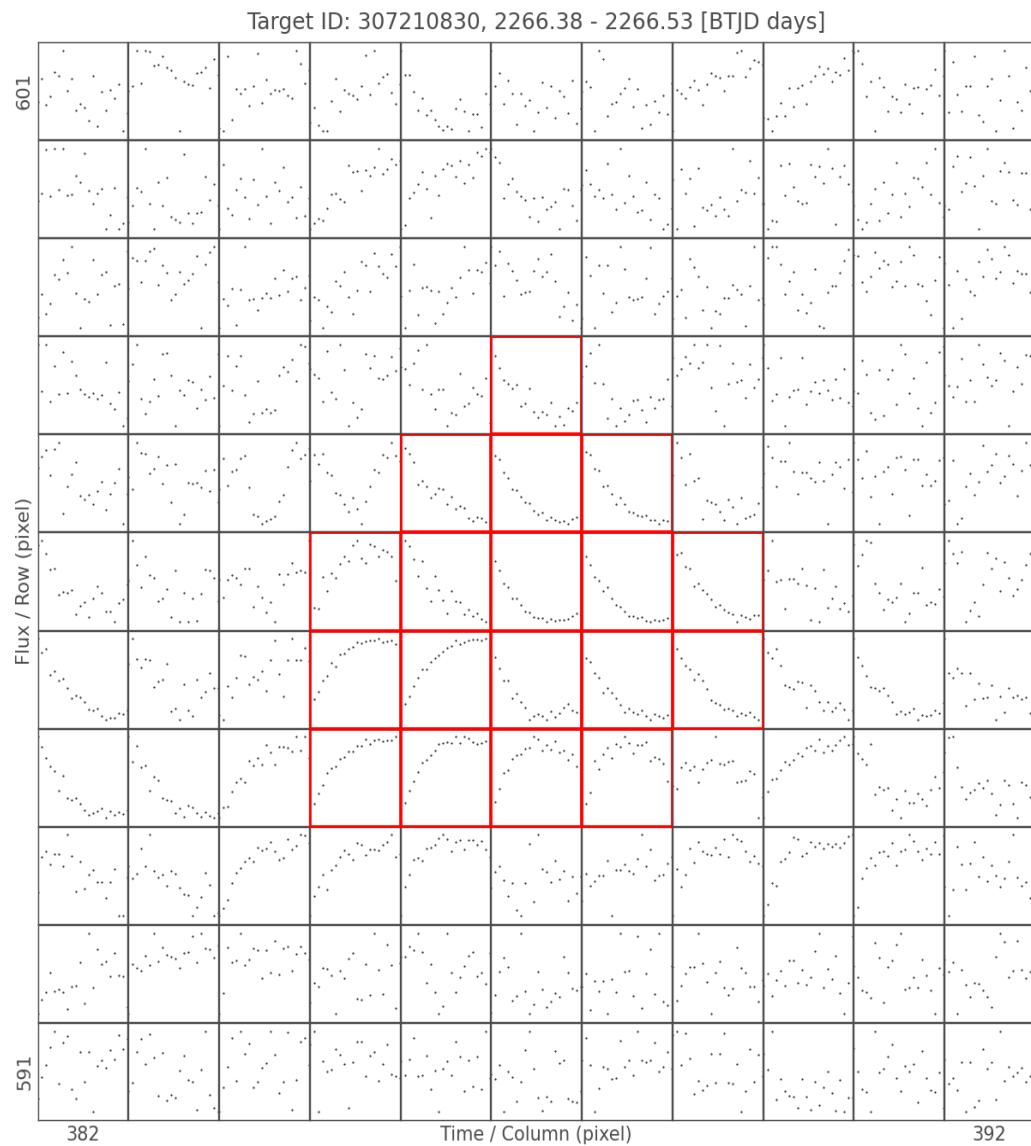
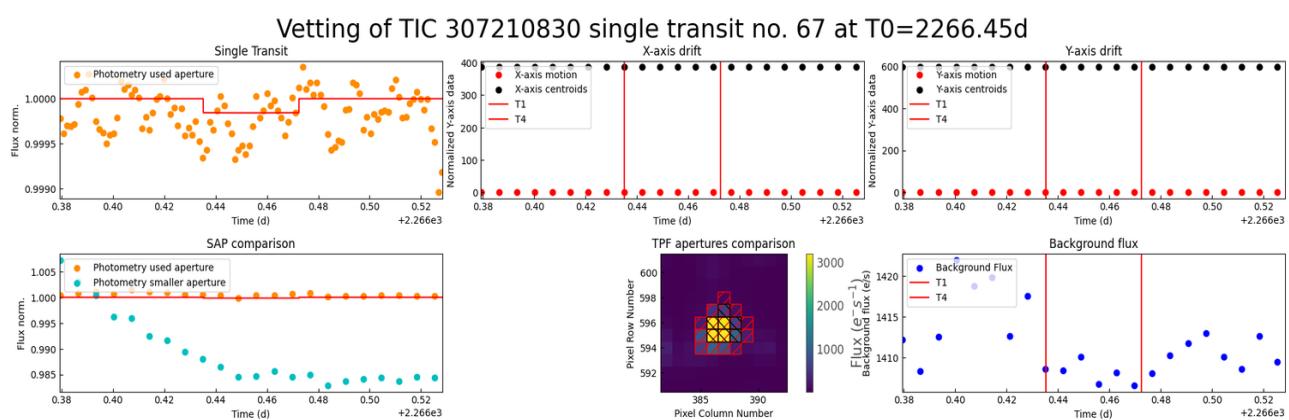
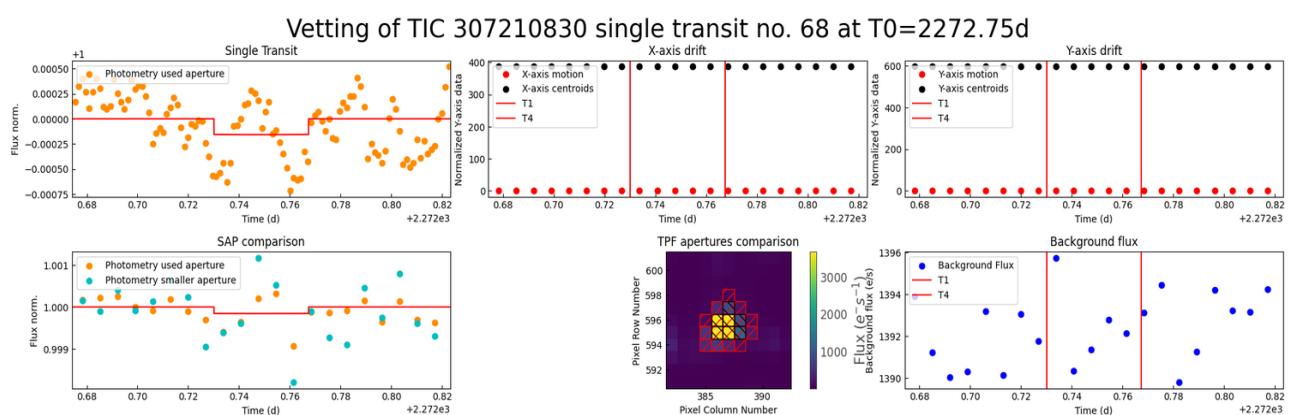


Figure 80: The single transit no. 67 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2272.68 - 2272.82 [BTJD days]

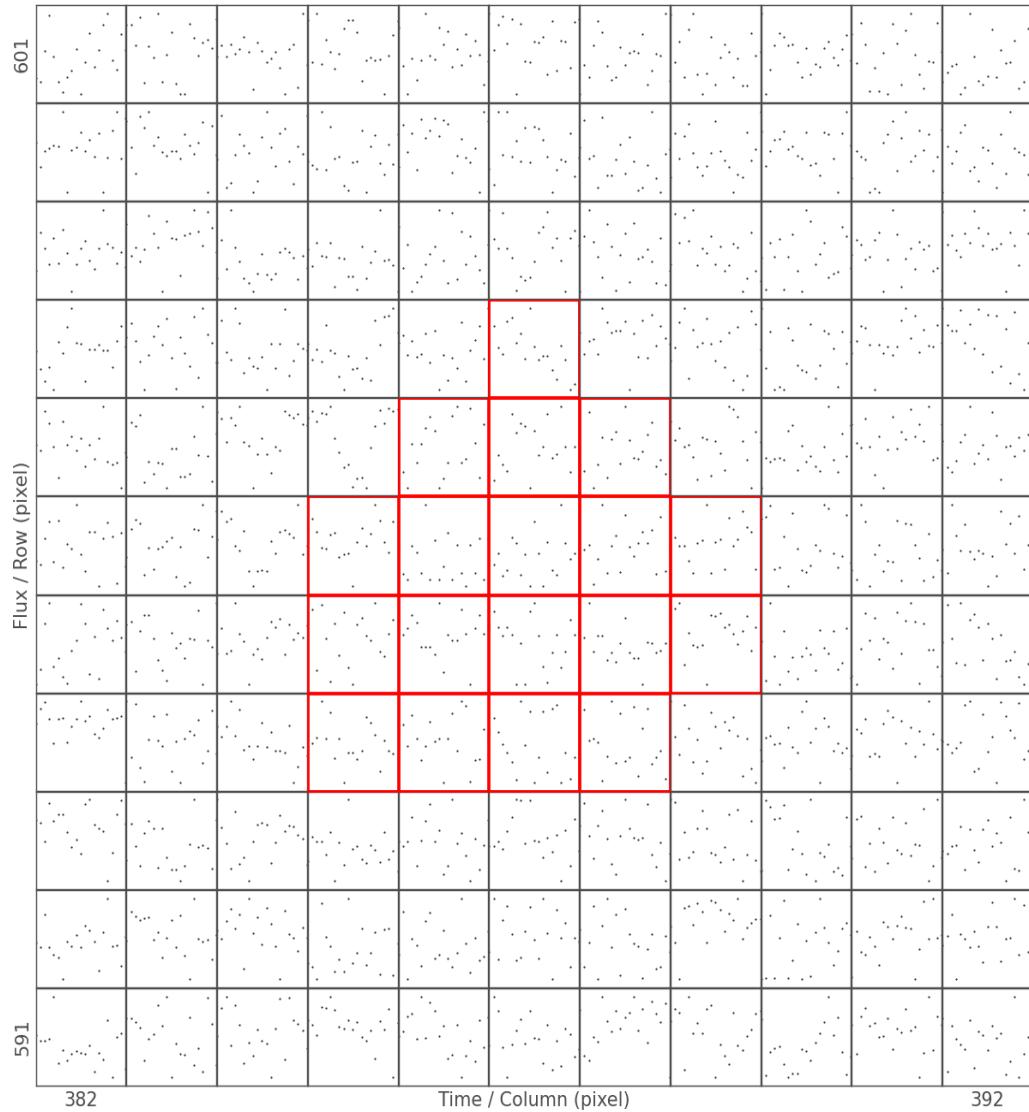


Figure 81: The single transit no. 68 vetting plots

WATSON Transits Validation Report: TIC 307210830

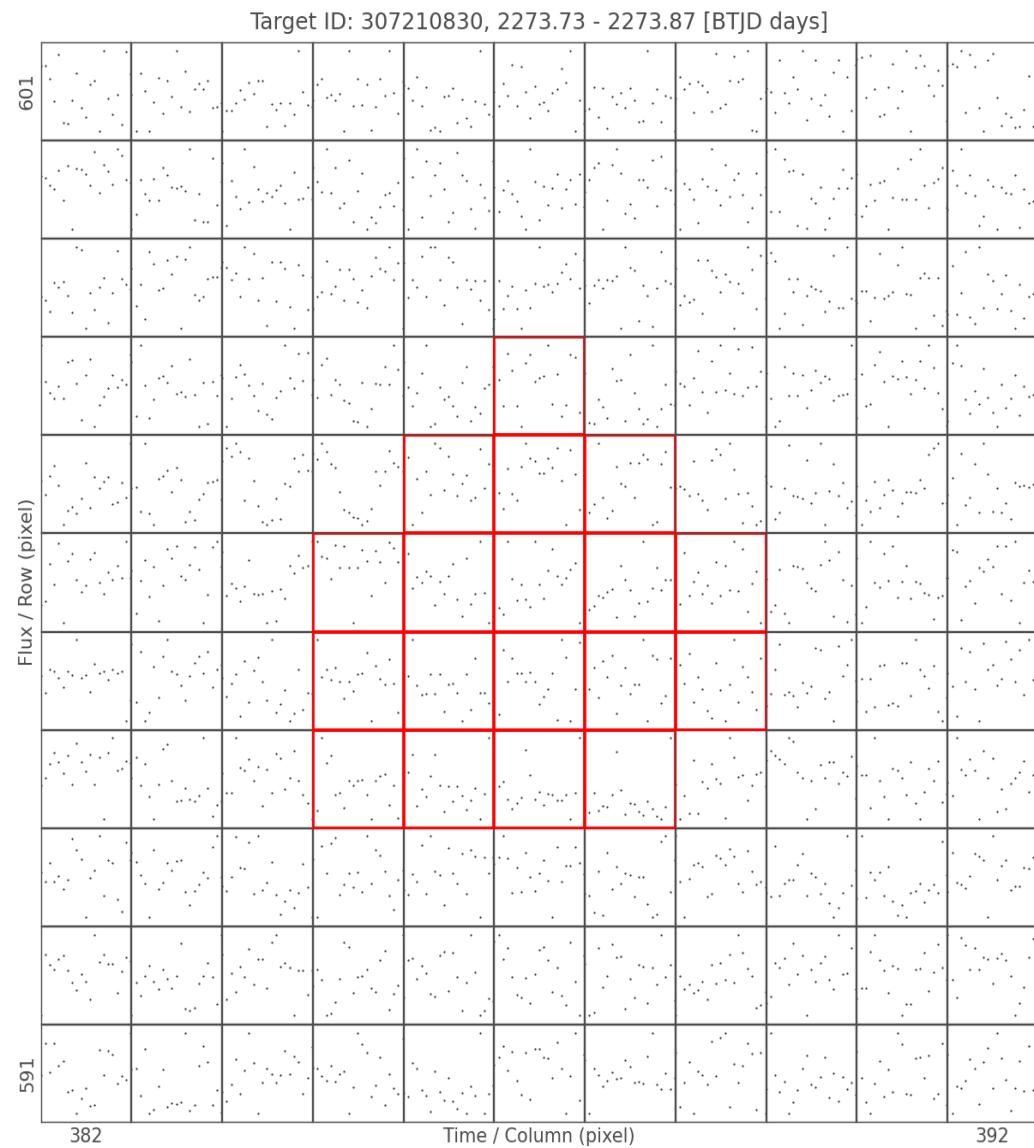
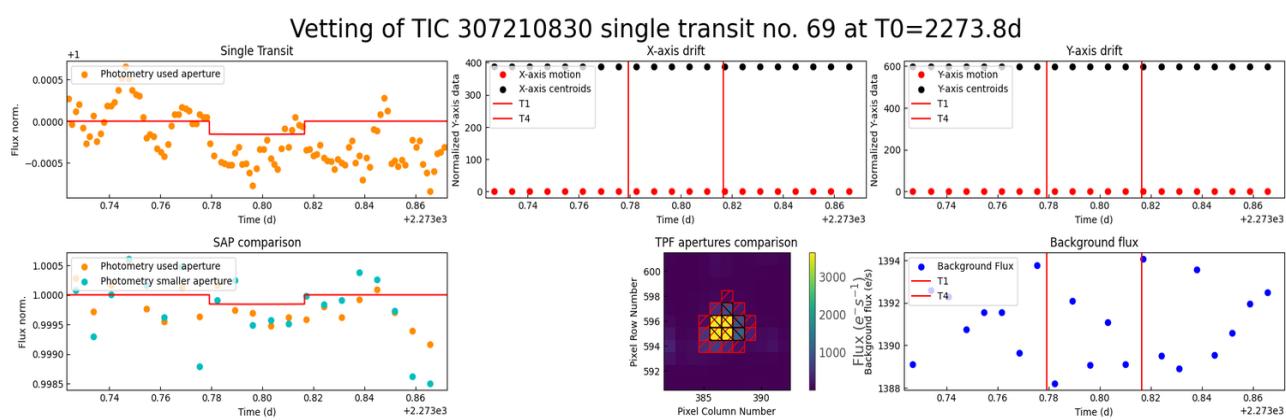


Figure 82: The single transit no. 69 vetting plots

WATSON Transits Validation Report: TIC 307210830

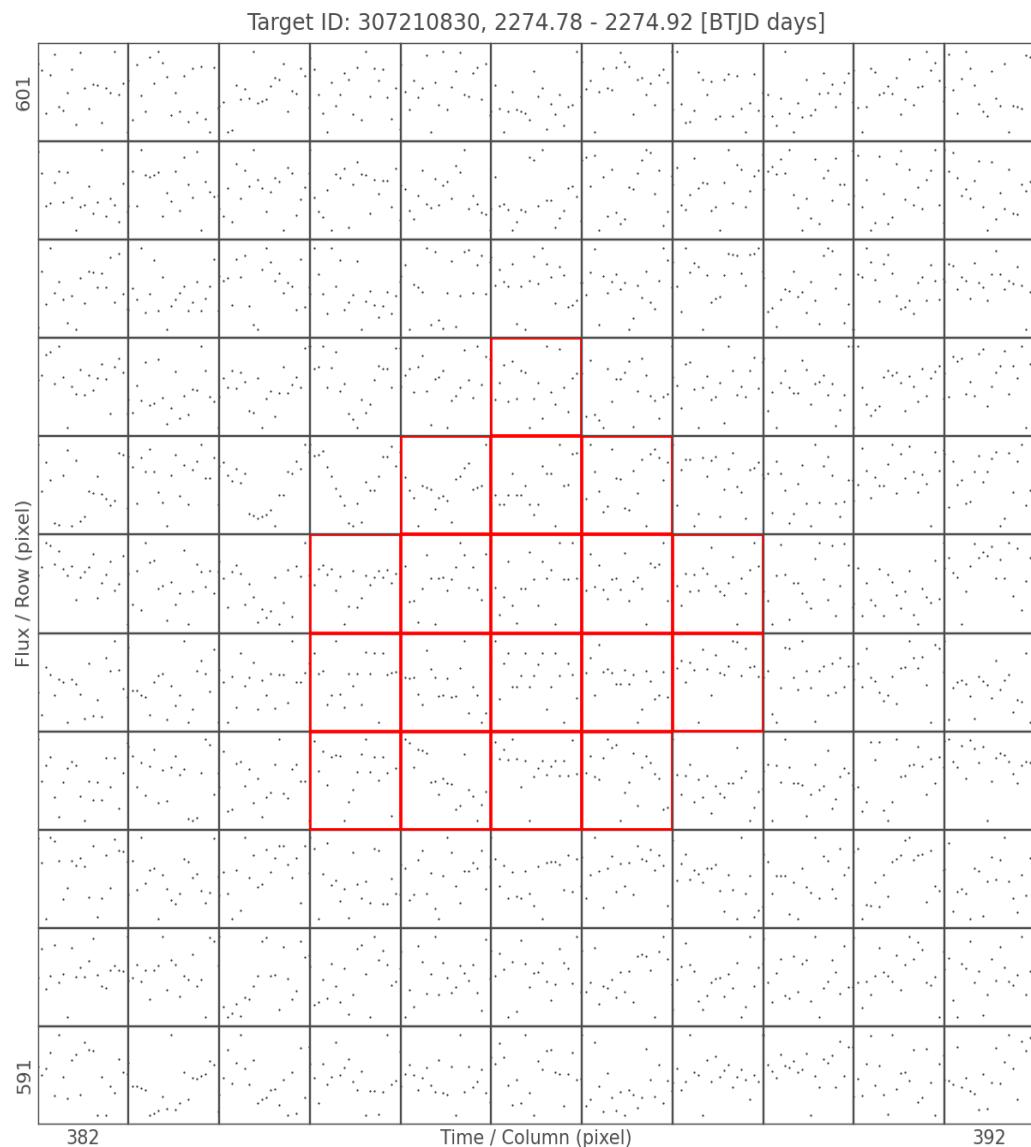
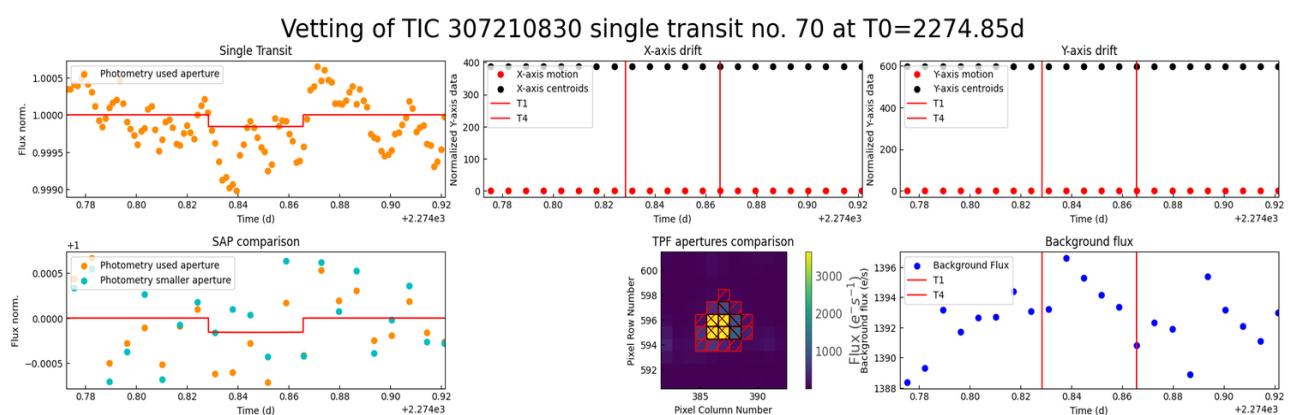


Figure 83: The single transit no. 70 vetting plots

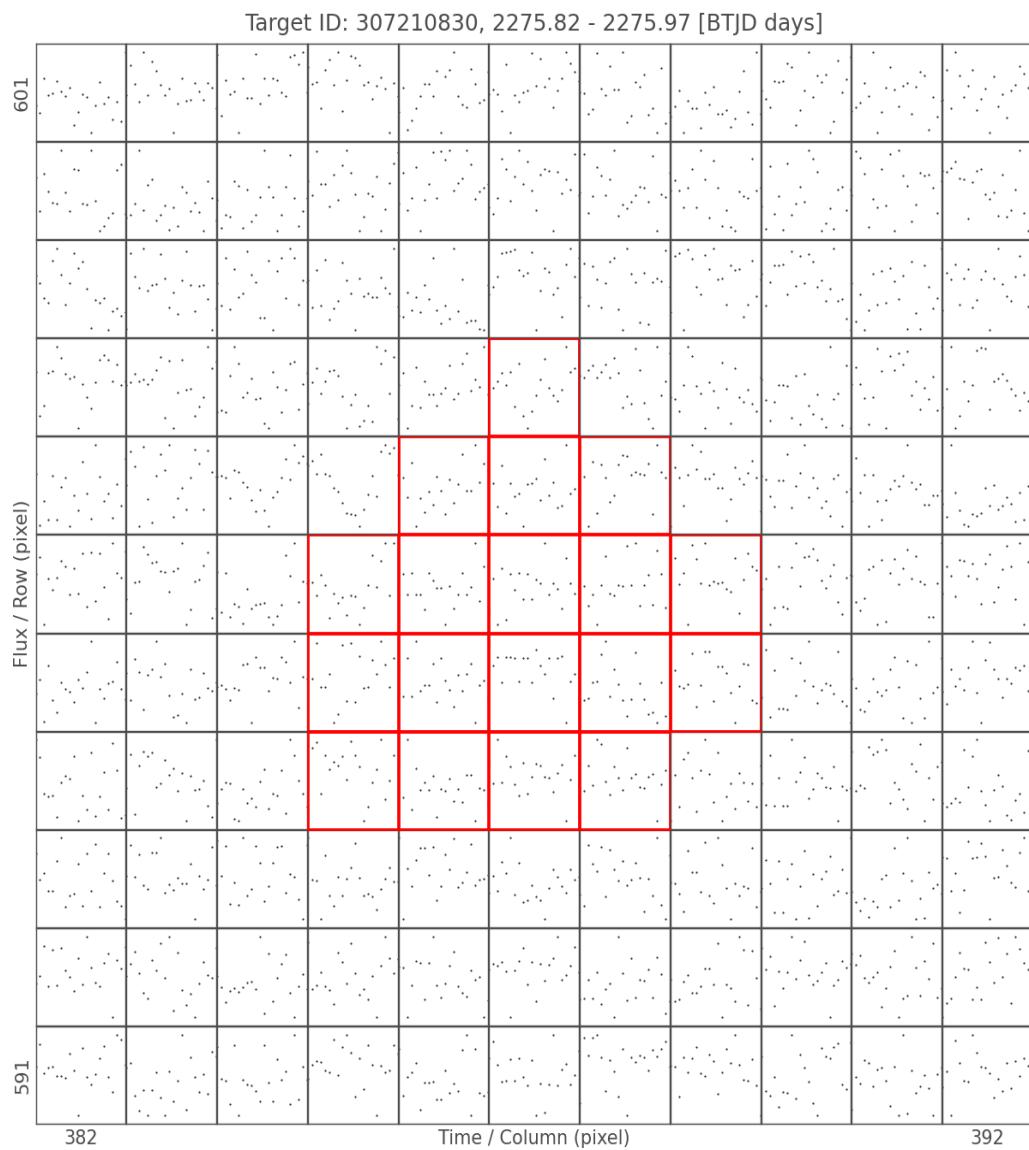
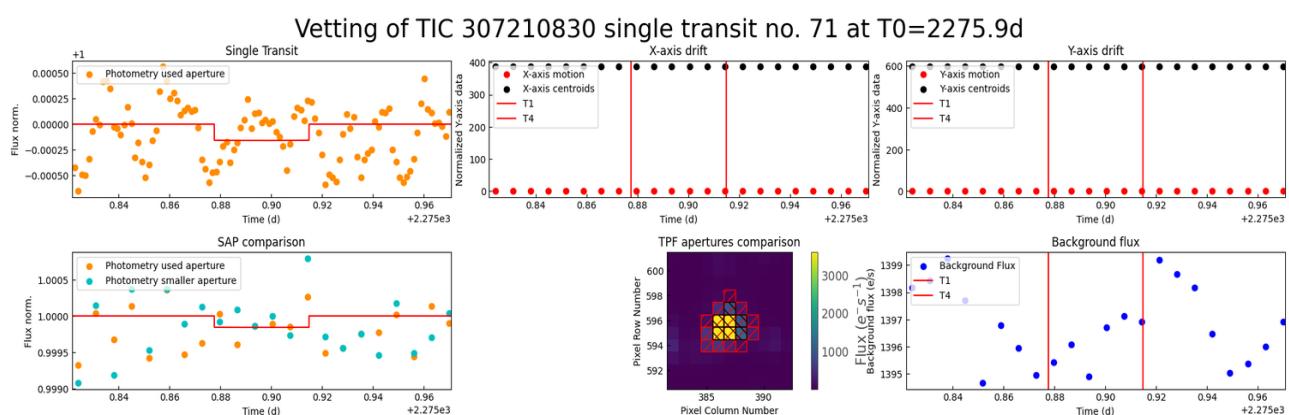


Figure 84: The single transit no. 71 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:37

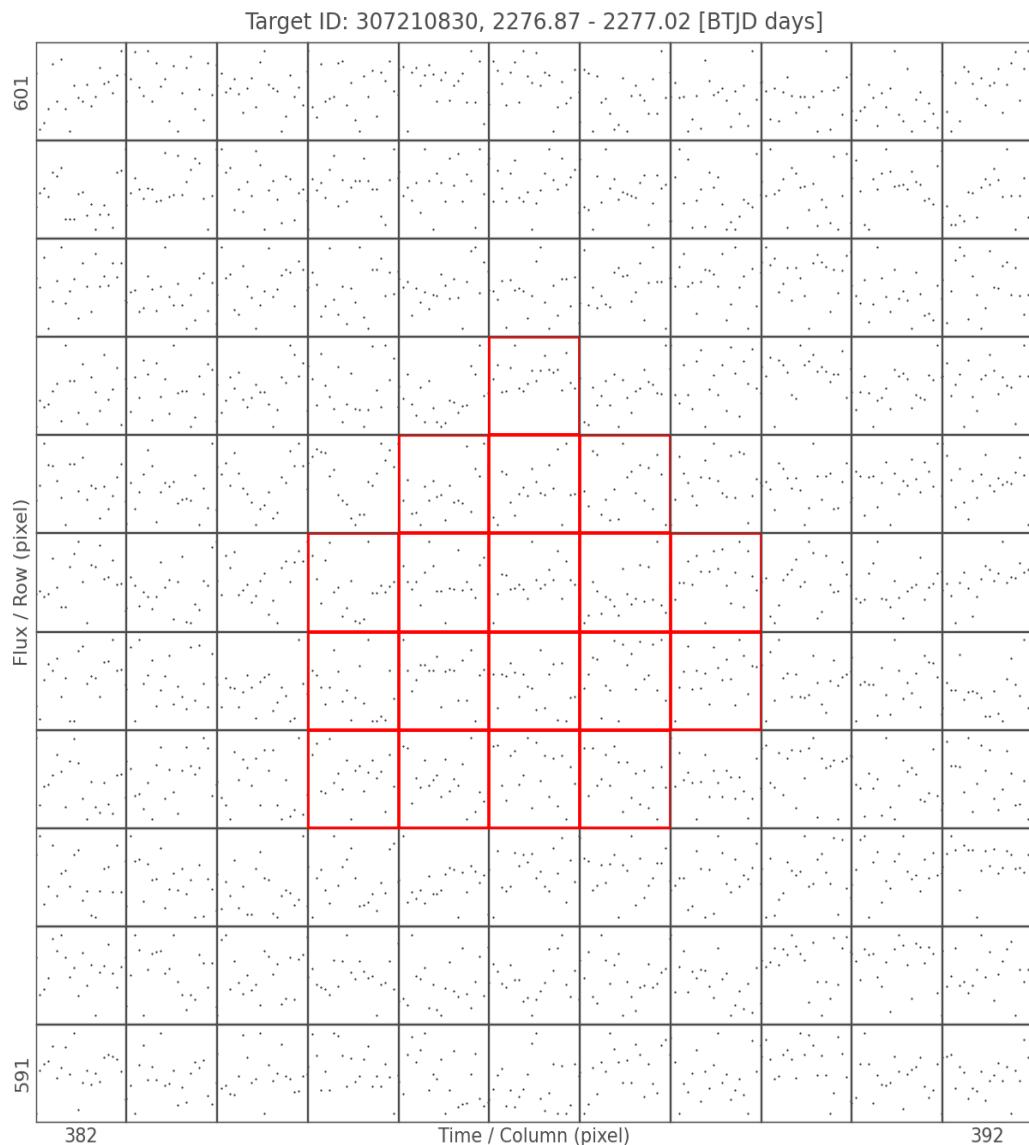
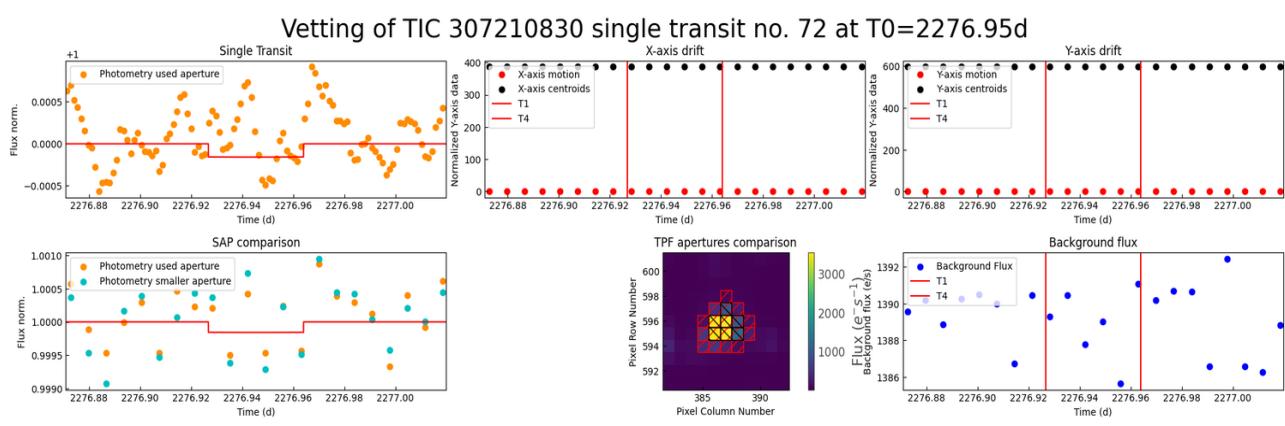


Figure 85: The single transit no. 72 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:37

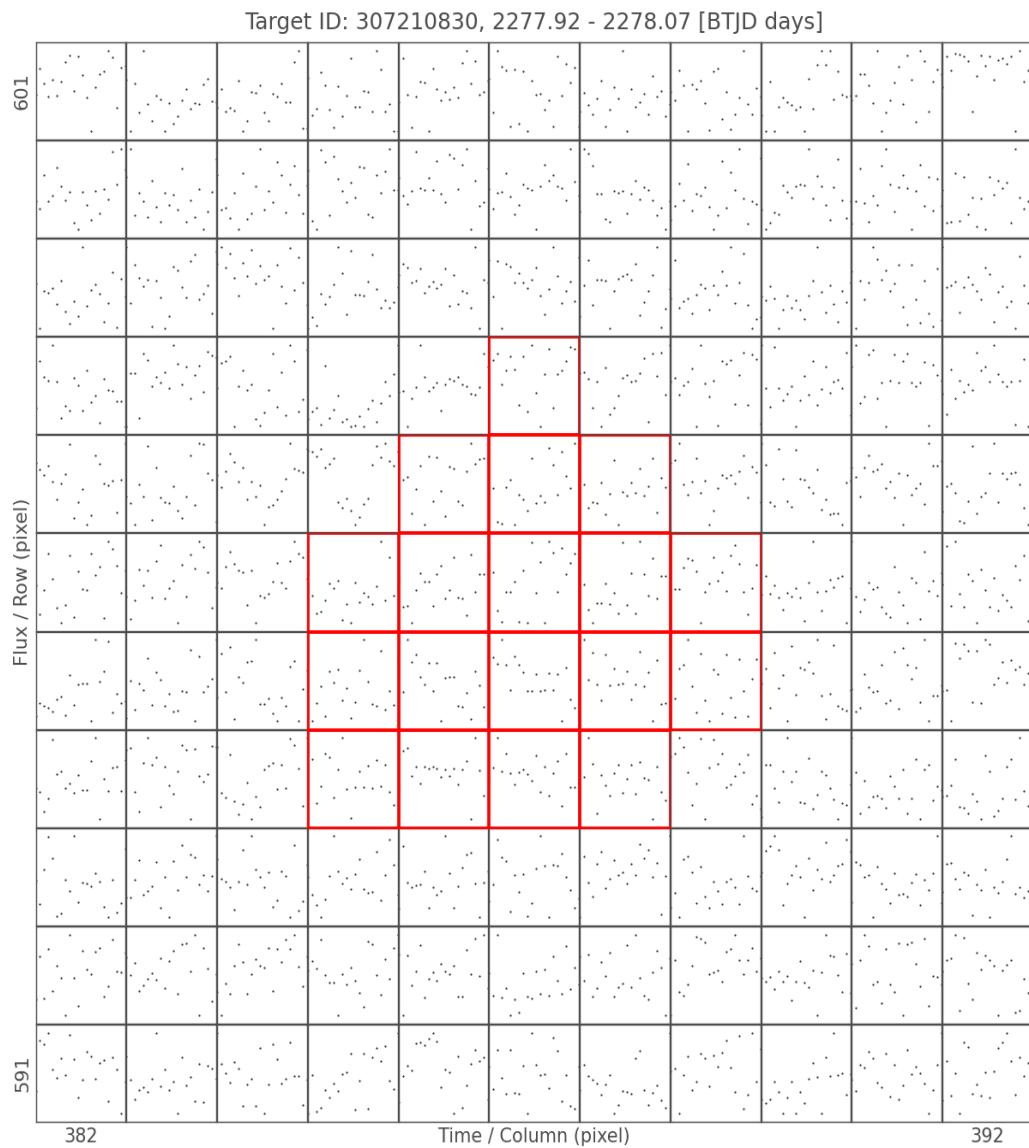
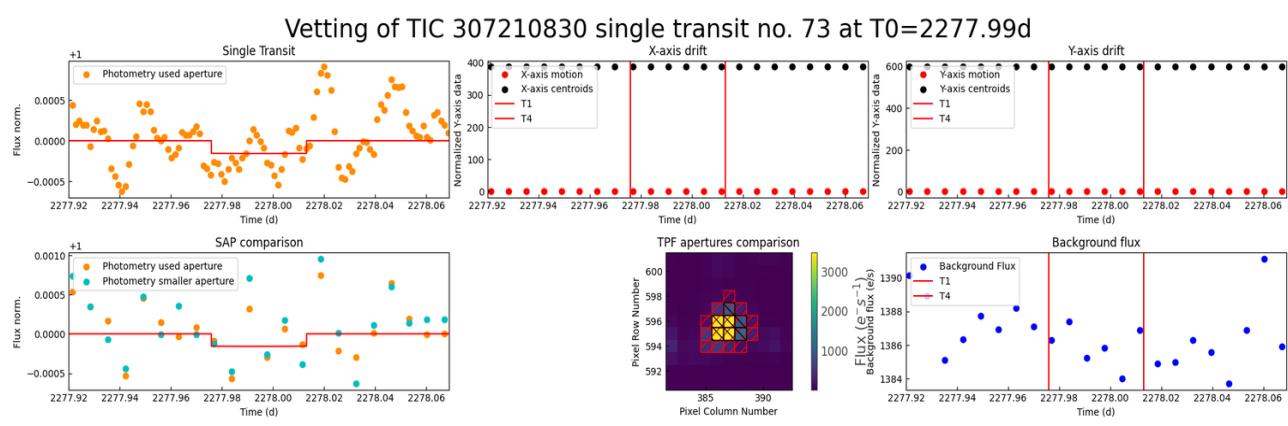


Figure 86: The single transit no. 73 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:37

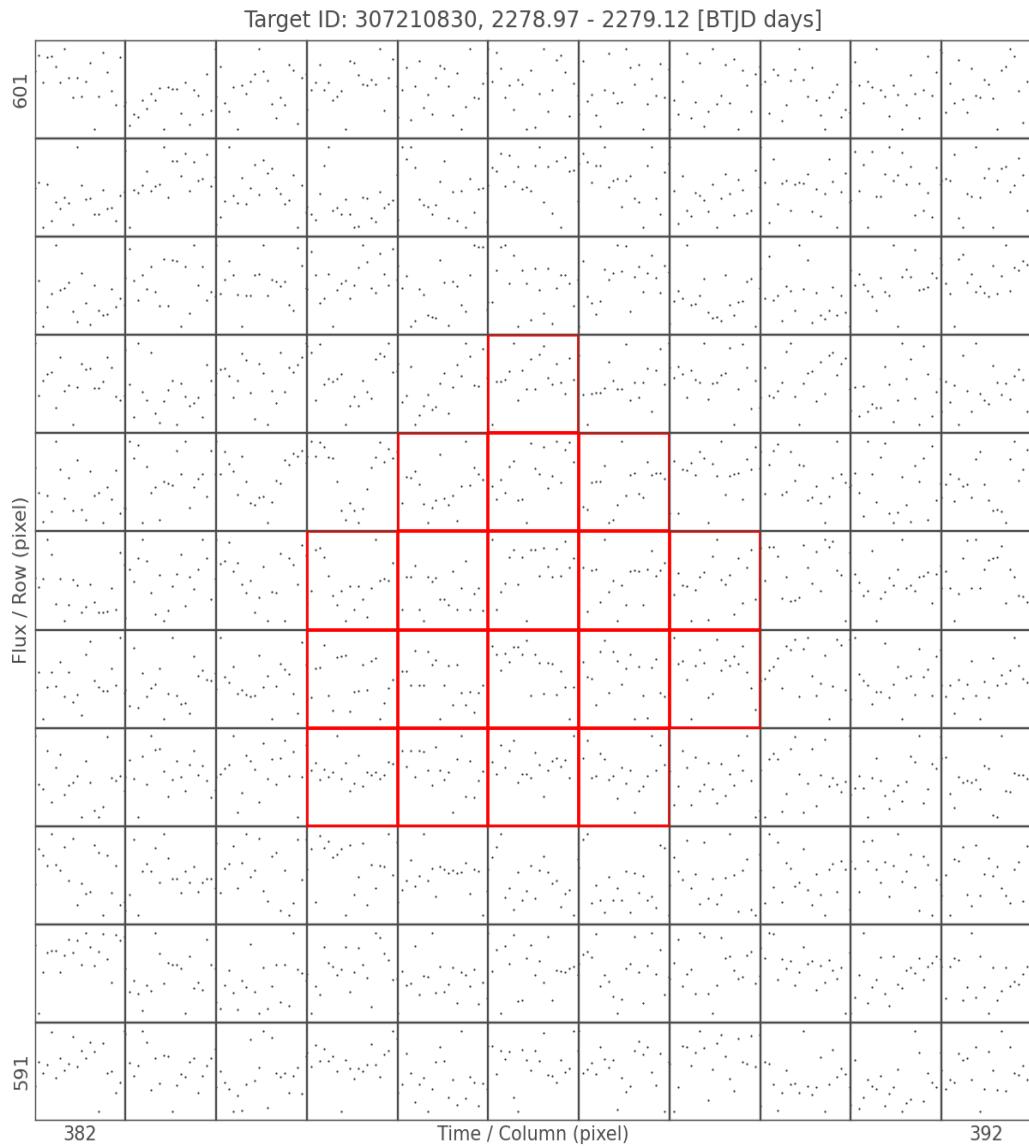
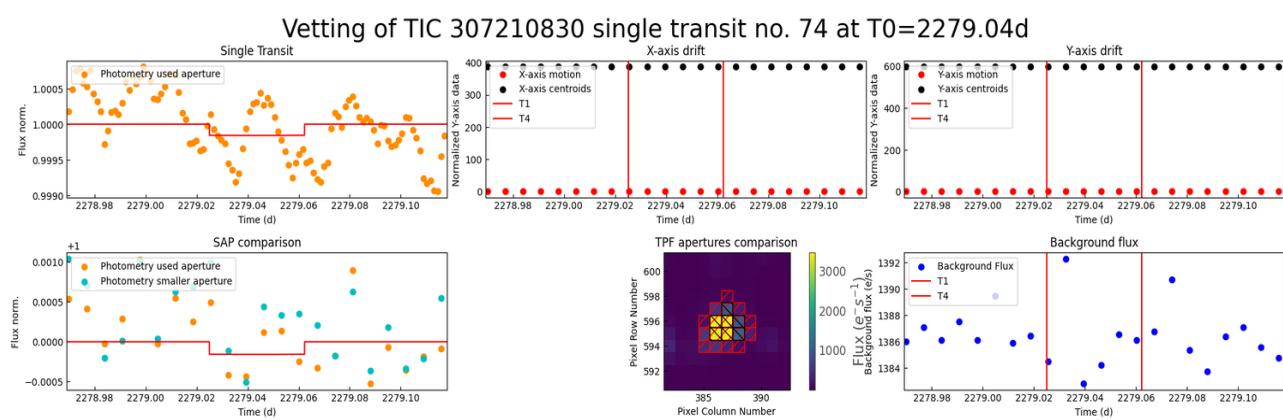


Figure 87: The single transit no. 74 vetting plots

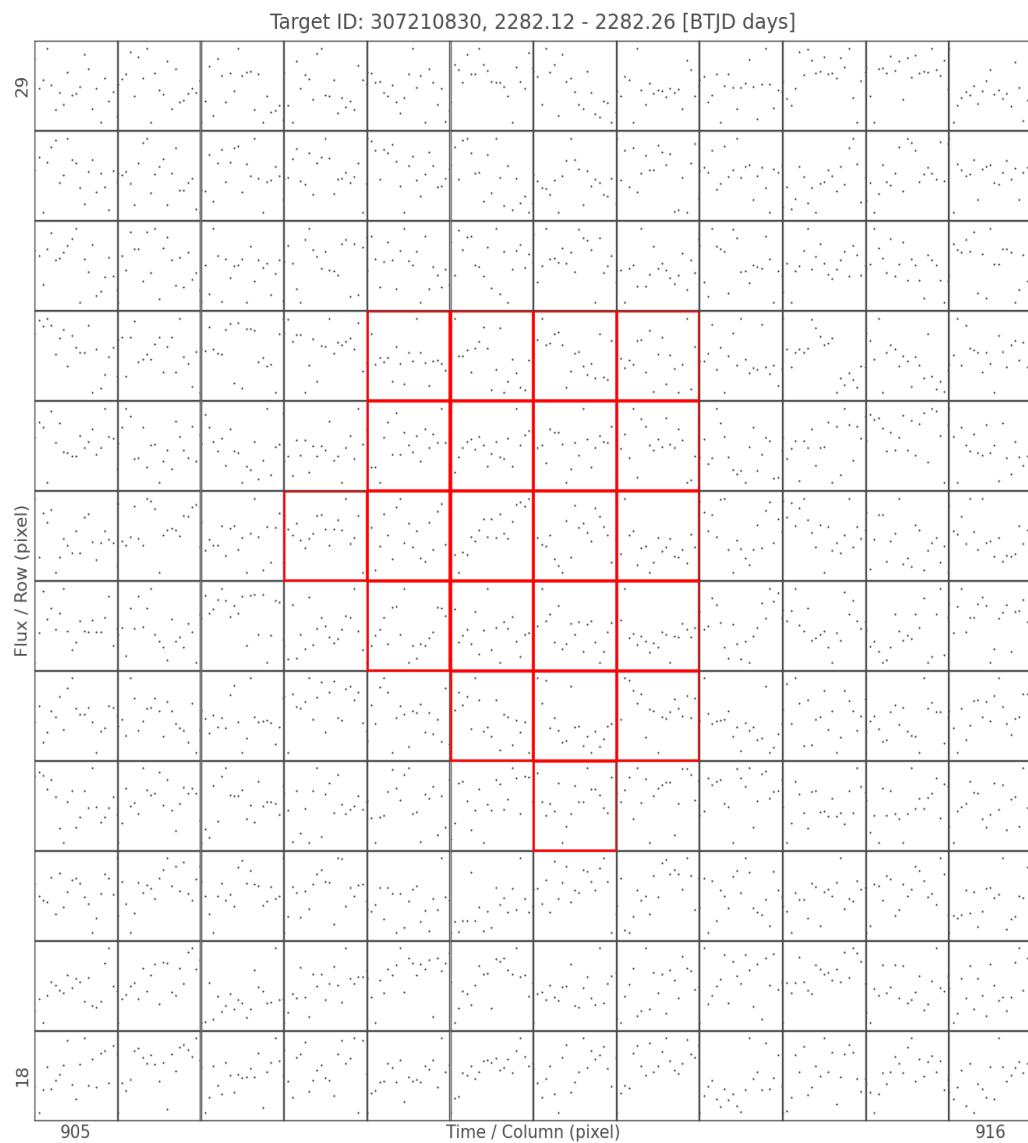
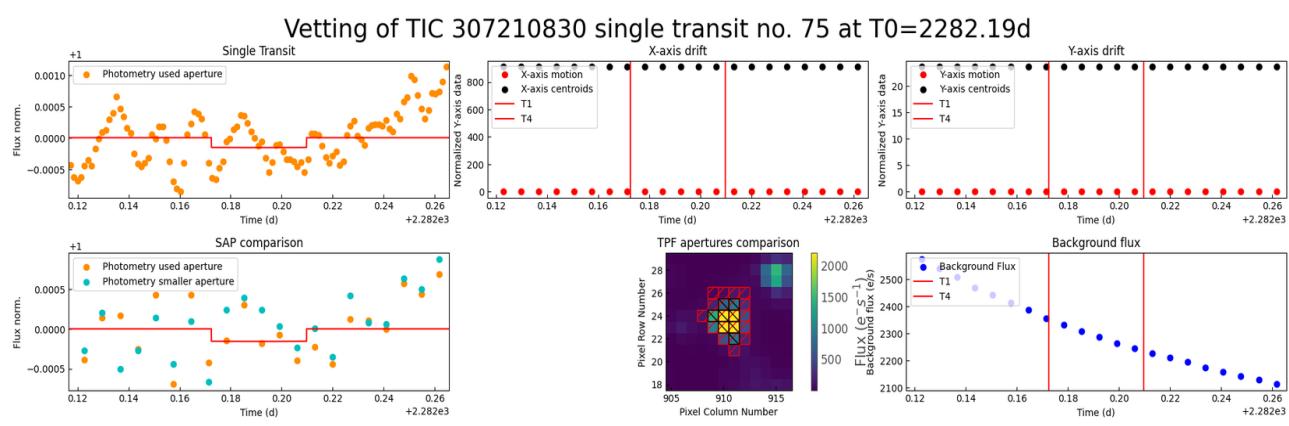
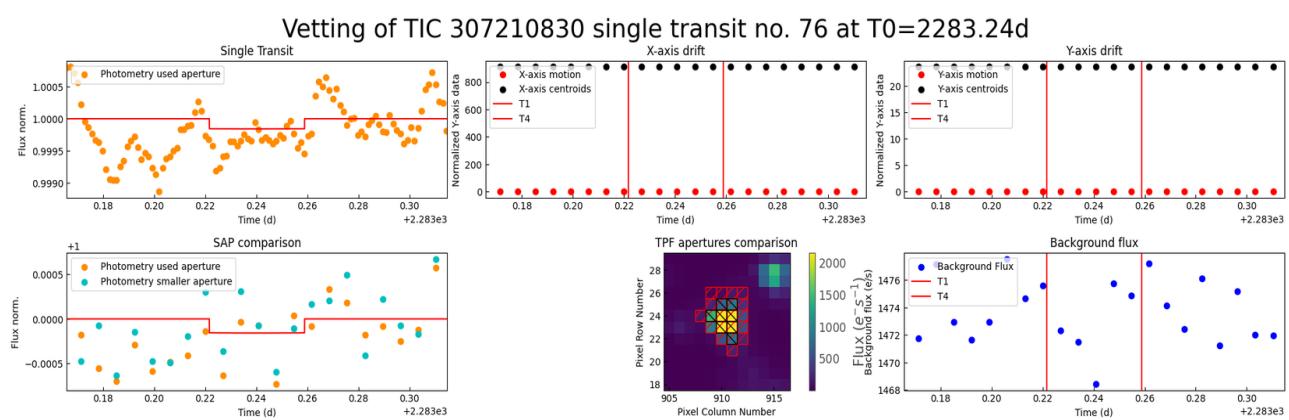


Figure 88: The single transit no. 75 vetting plots



Target ID: 307210830, 2283.17 - 2283.31 [BTJD days]

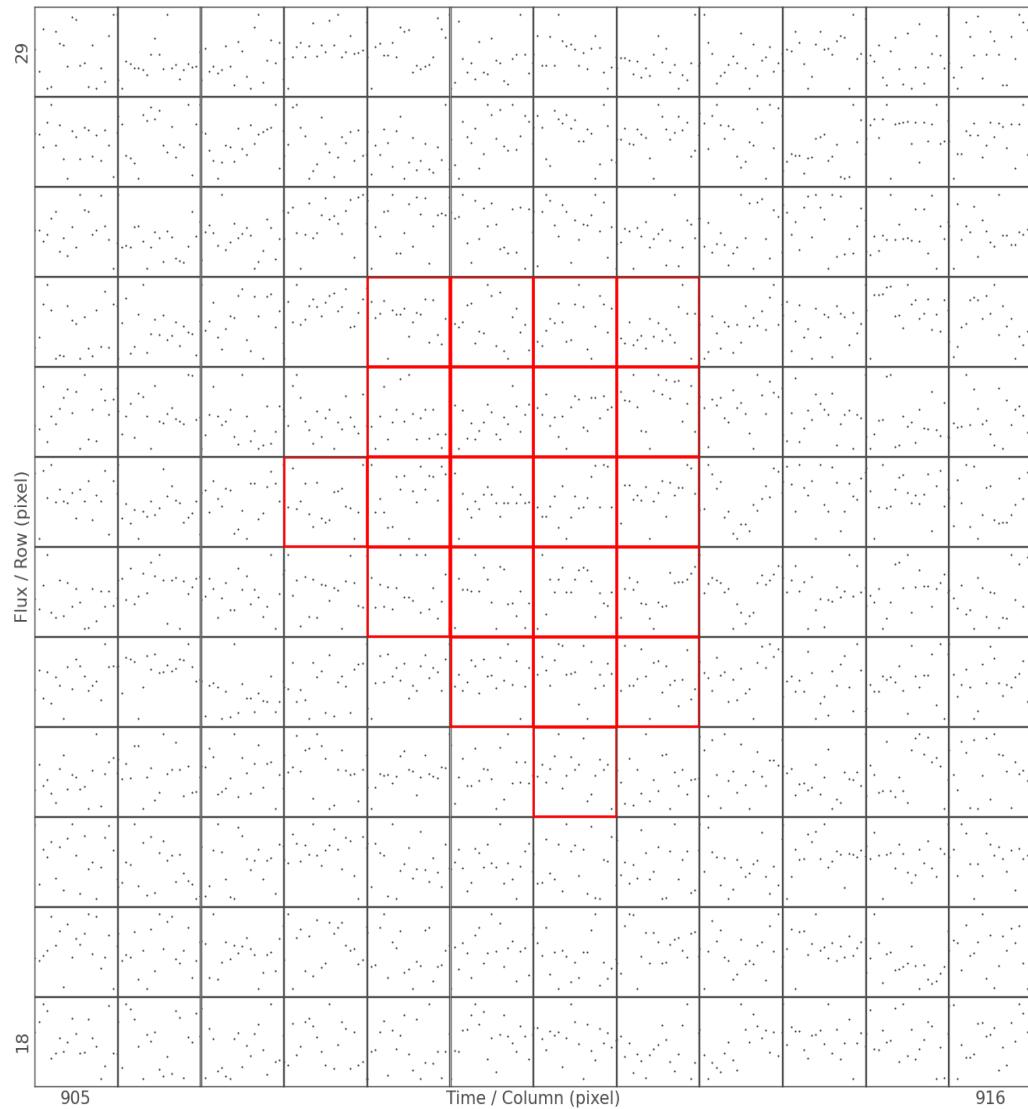


Figure 89: The single transit no. 76 vetting plots

WATSON Transits Validation Report: TIC 307210830

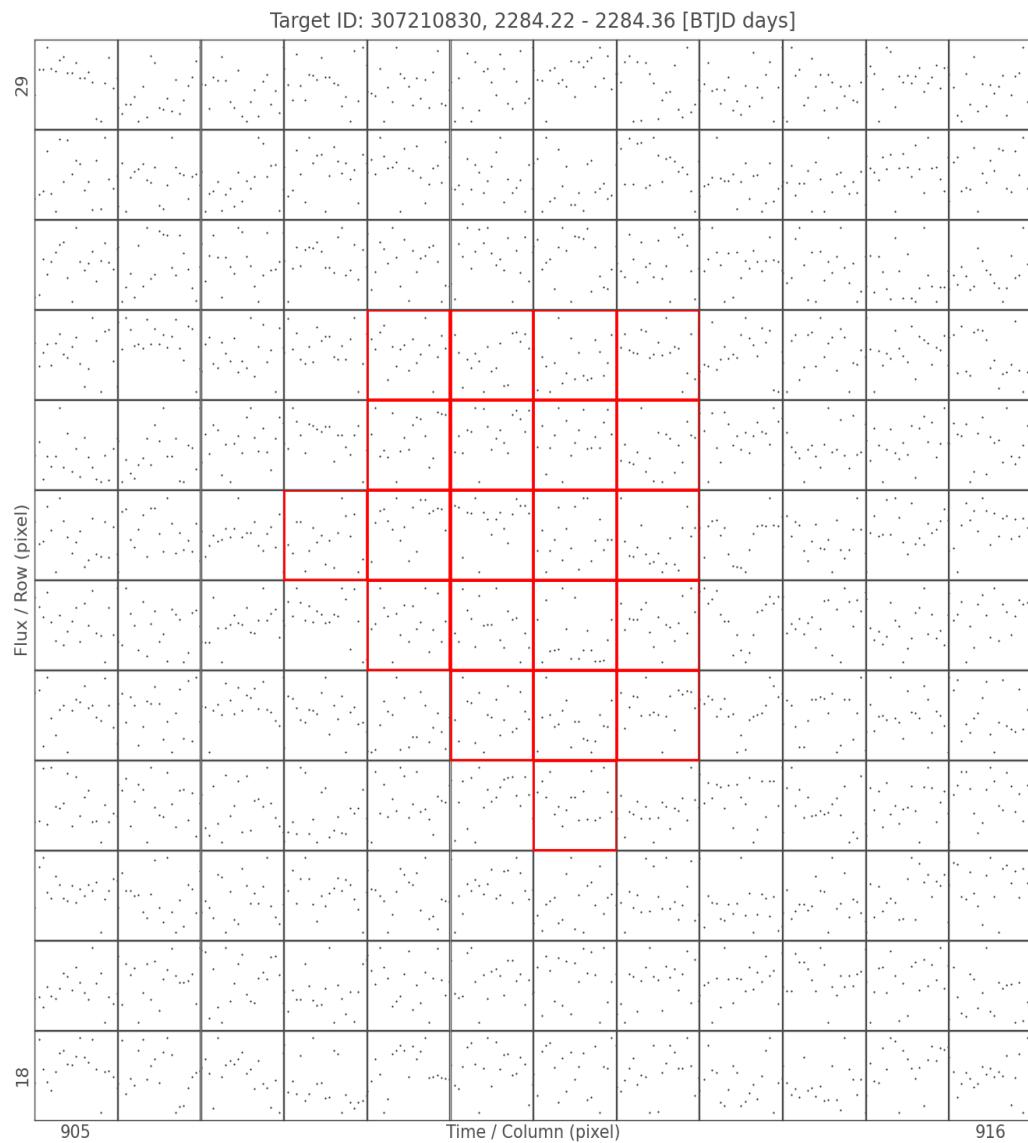
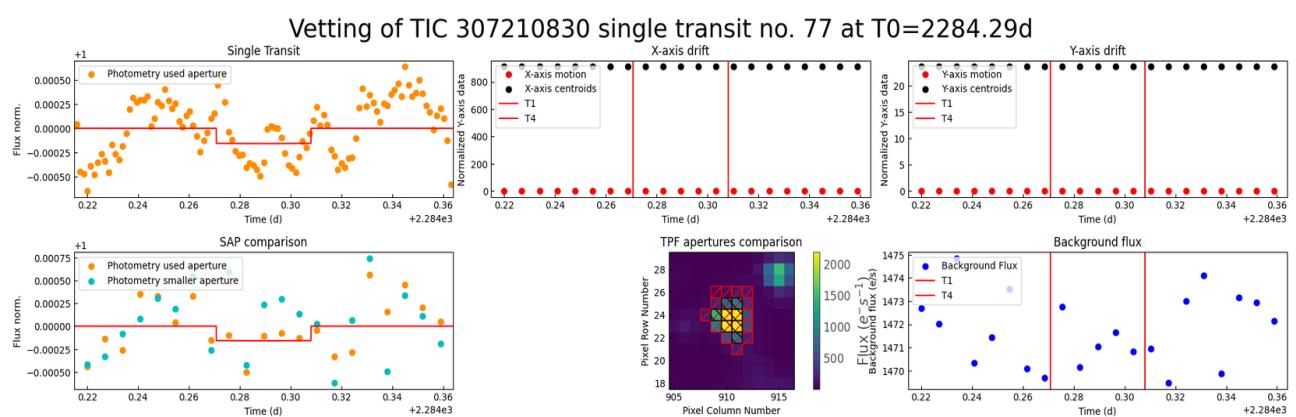


Figure 90: The single transit no. 77 vetting plots

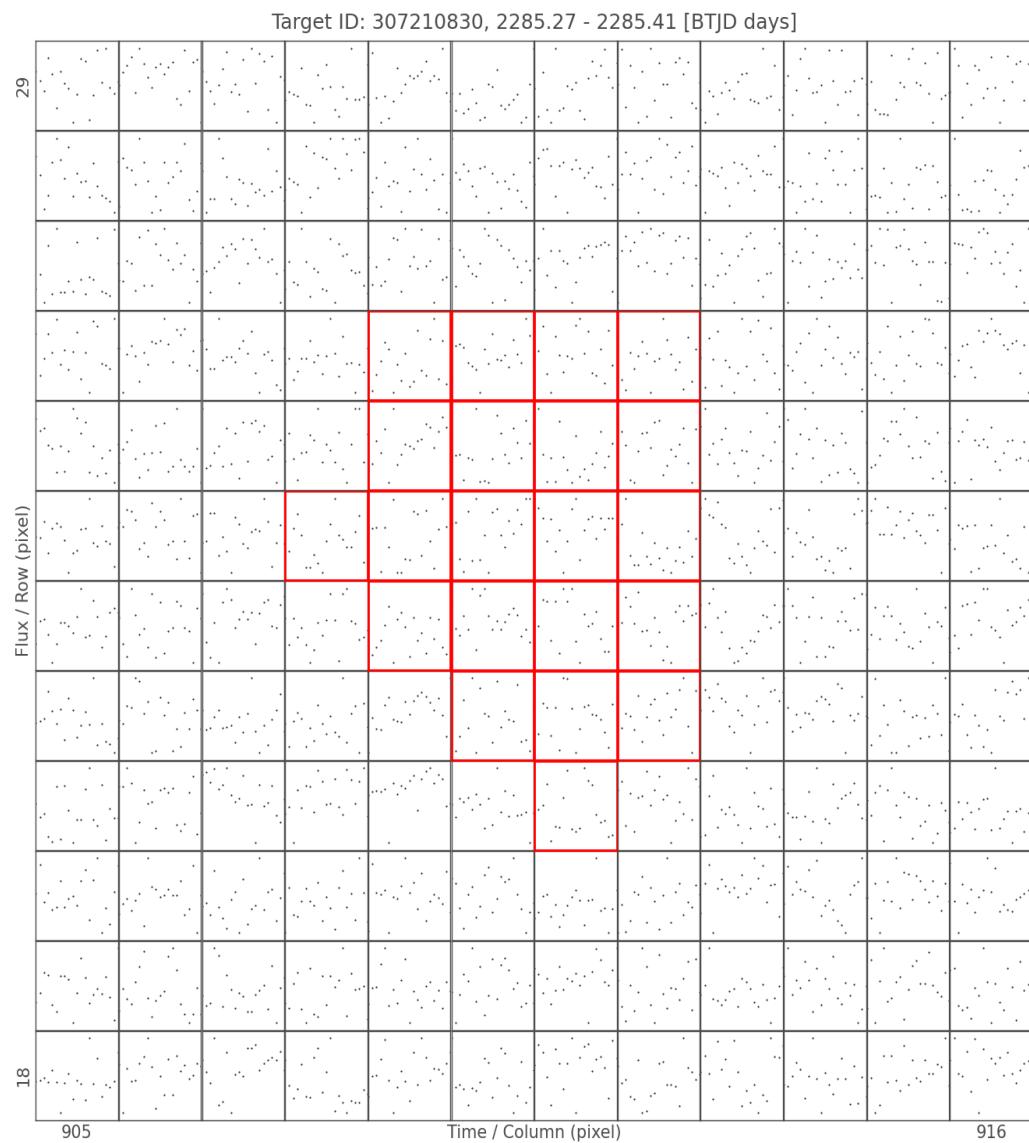
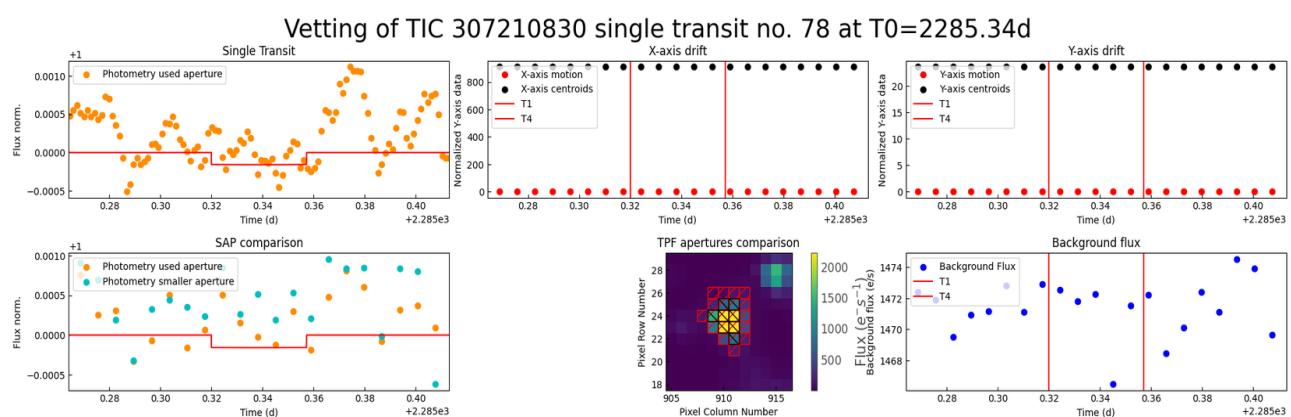


Figure 91: The single transit no. 78 vetting plots

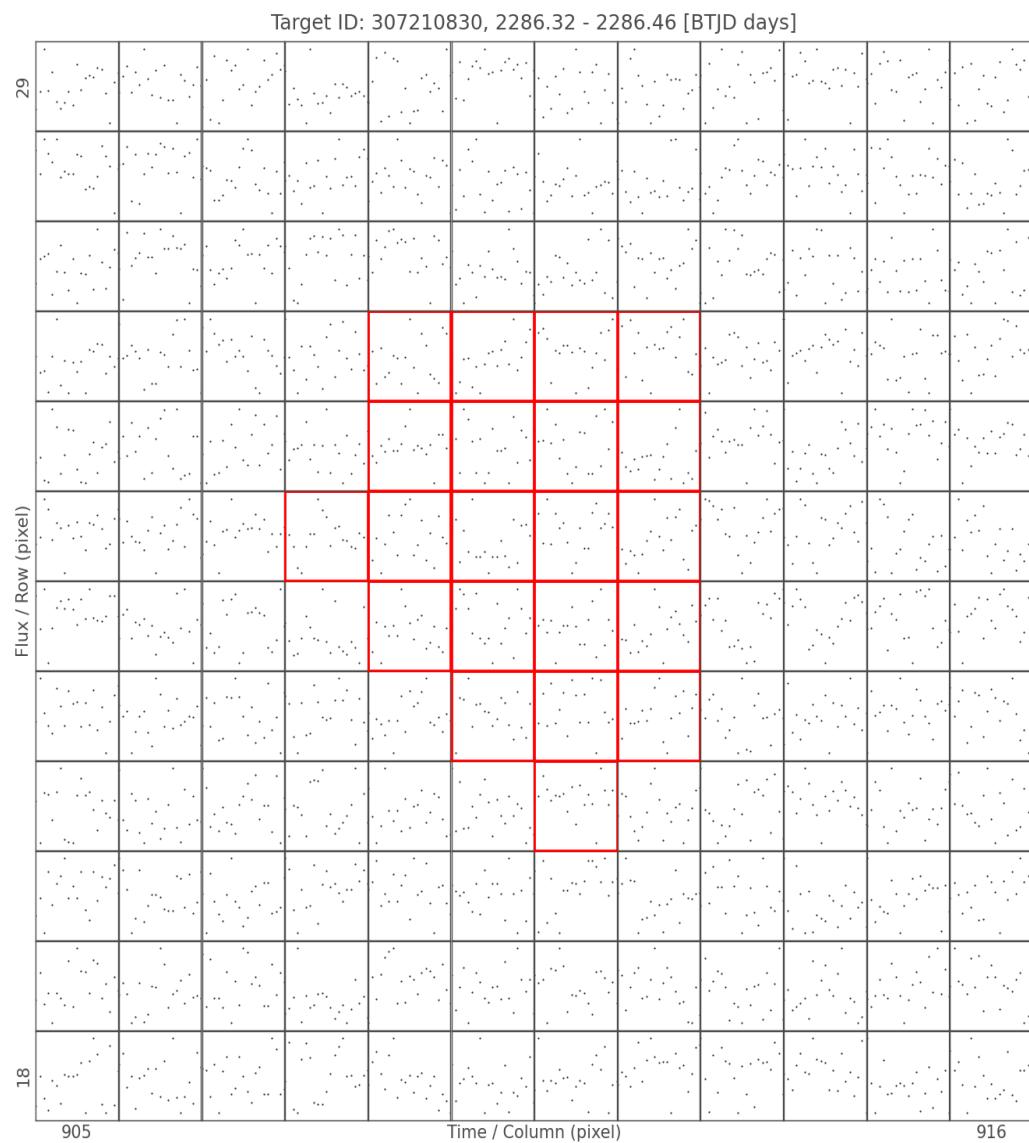
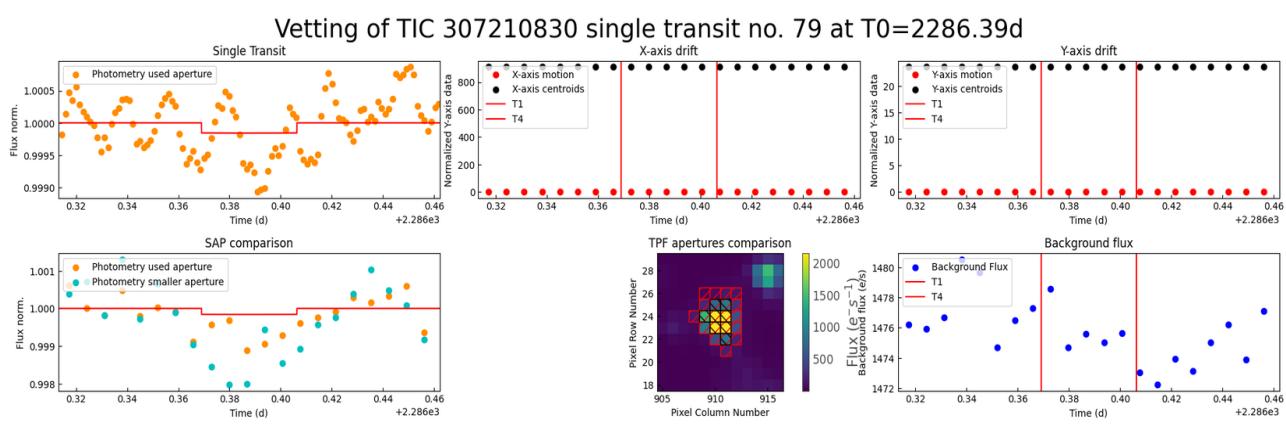


Figure 92: The single transit no. 79 vetting plots

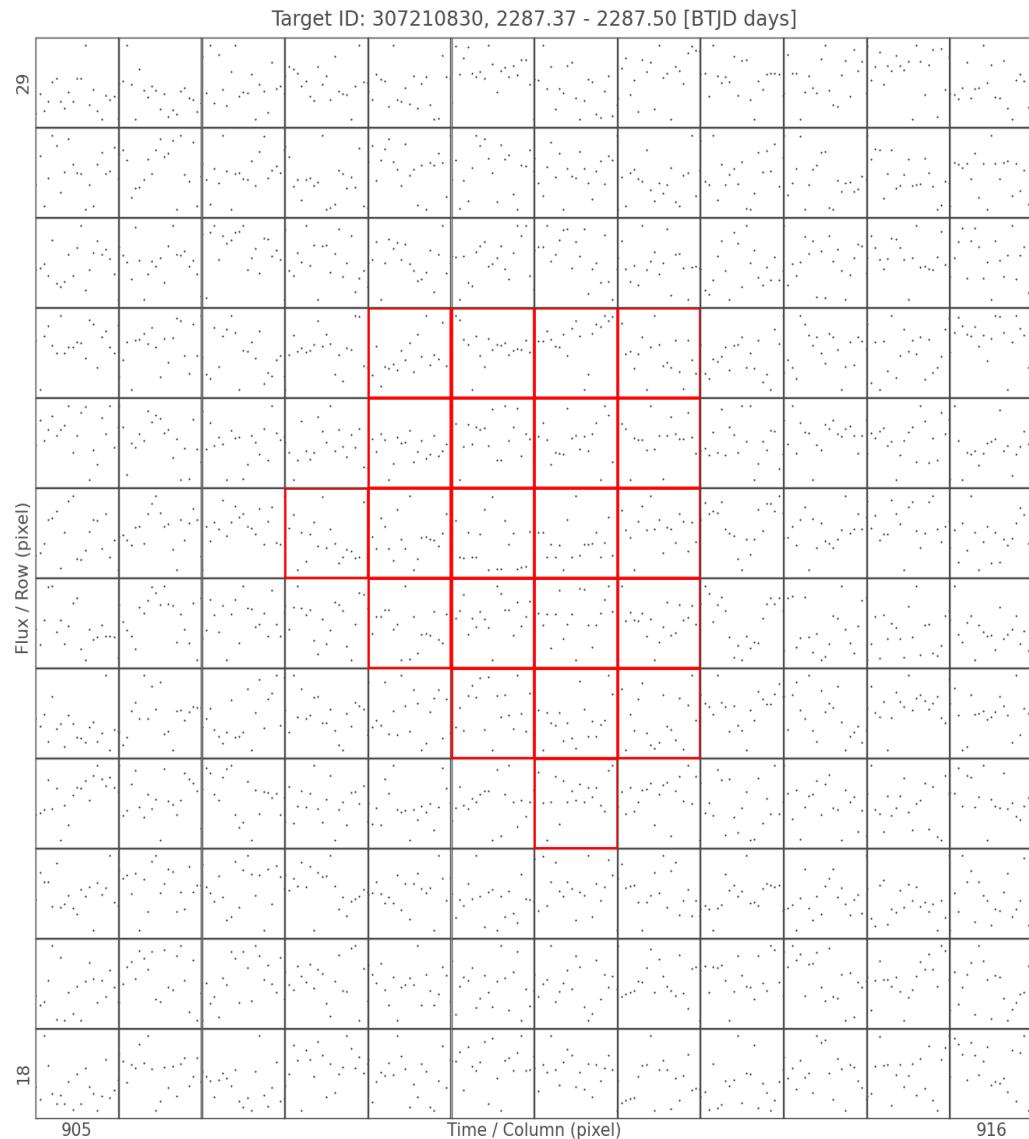
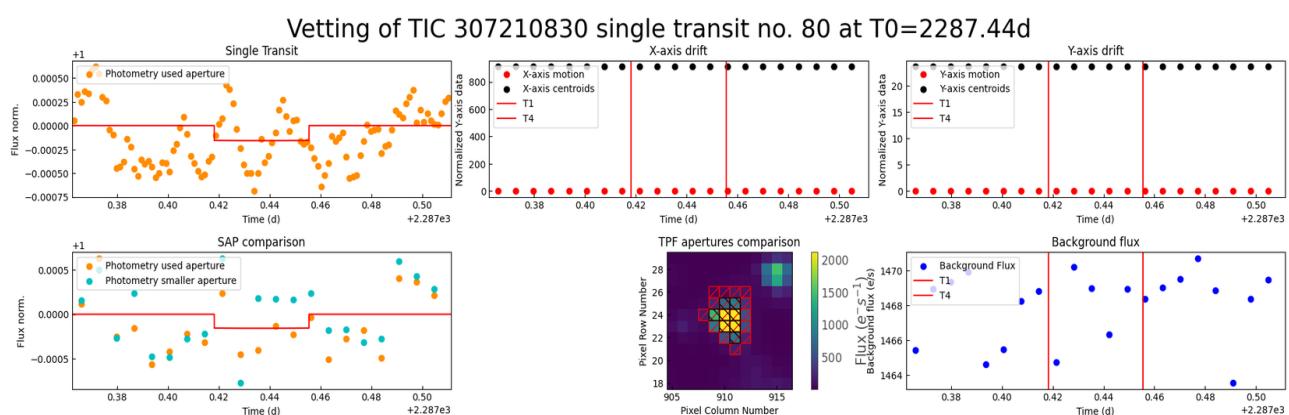


Figure 93: The single transit no. 80 vetting plots

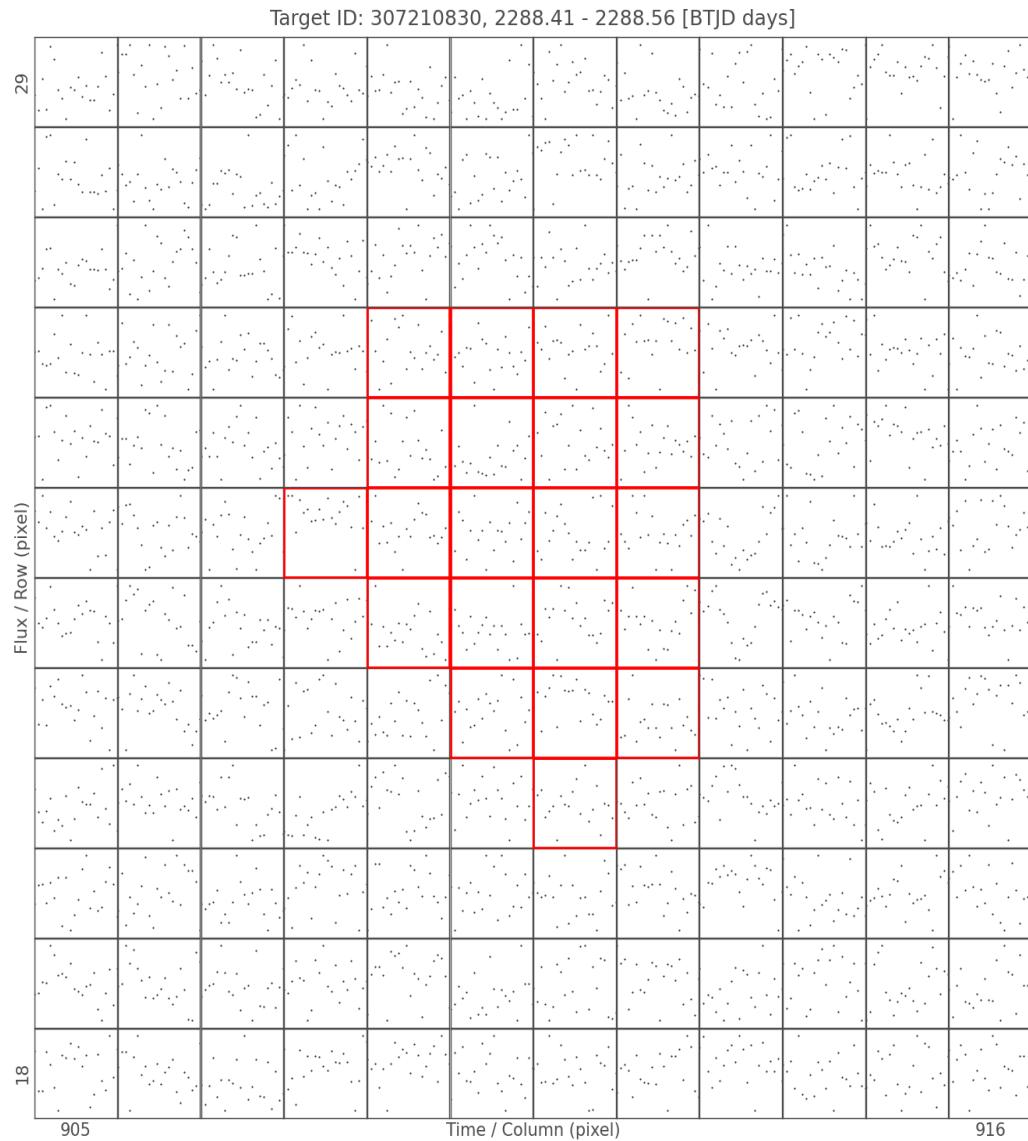
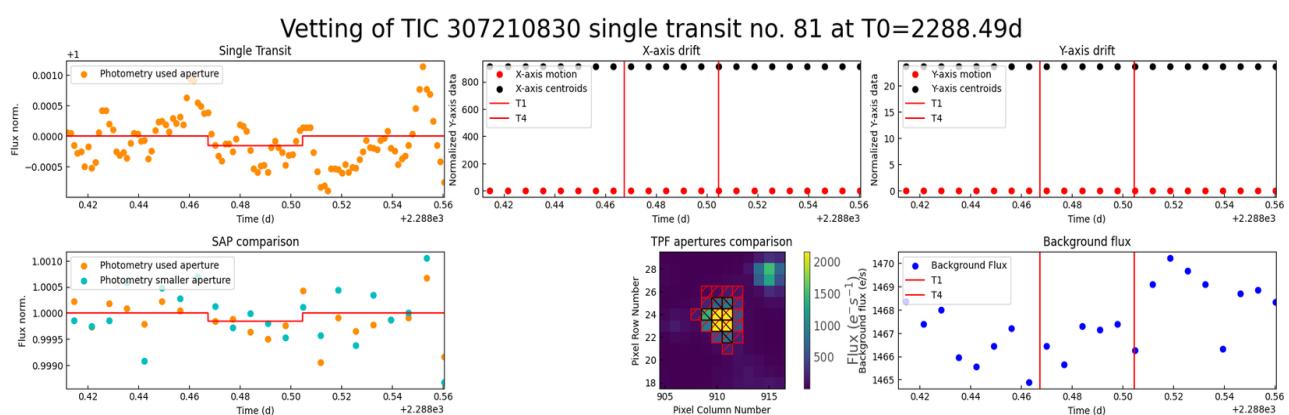


Figure 94: The single transit no. 81 vetting plots

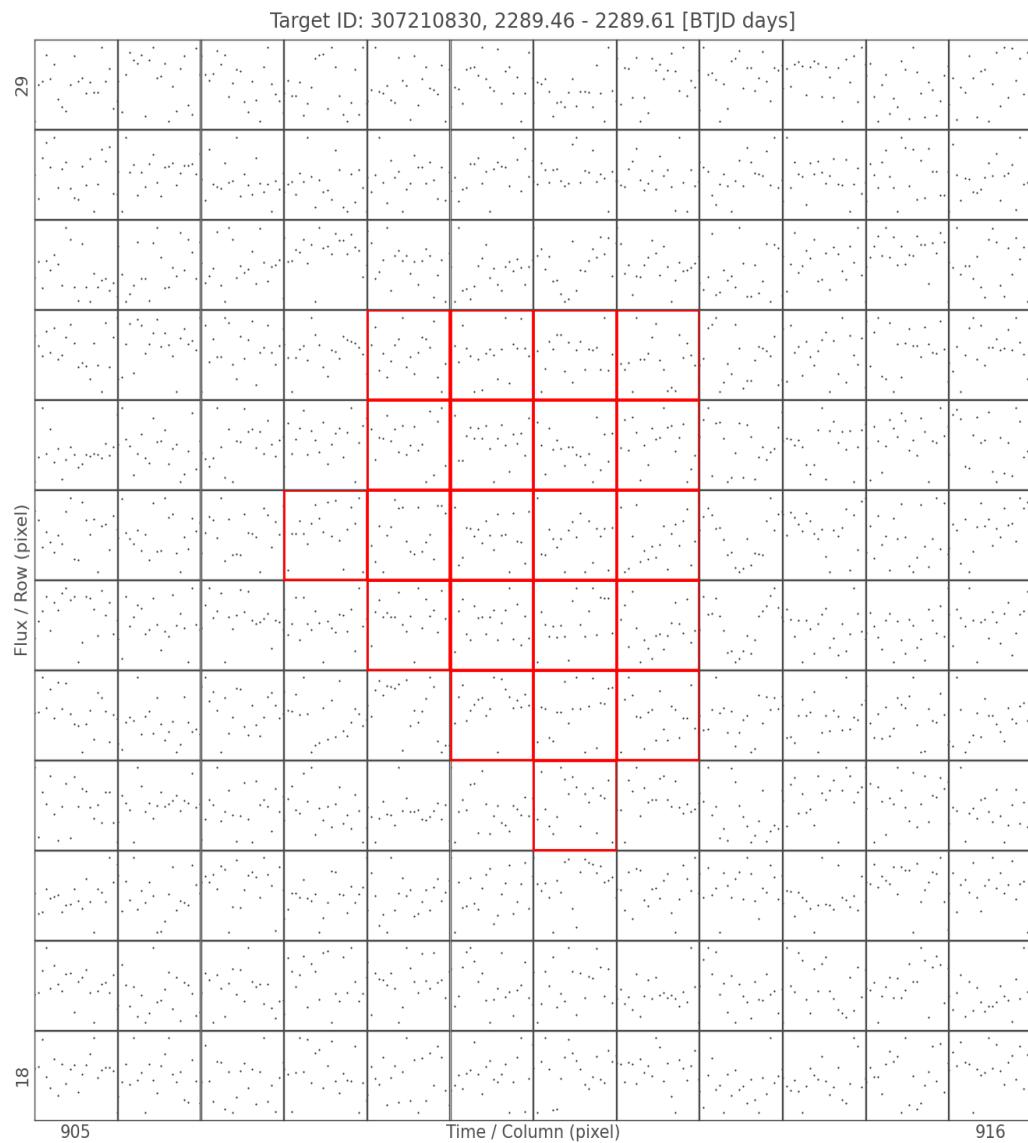
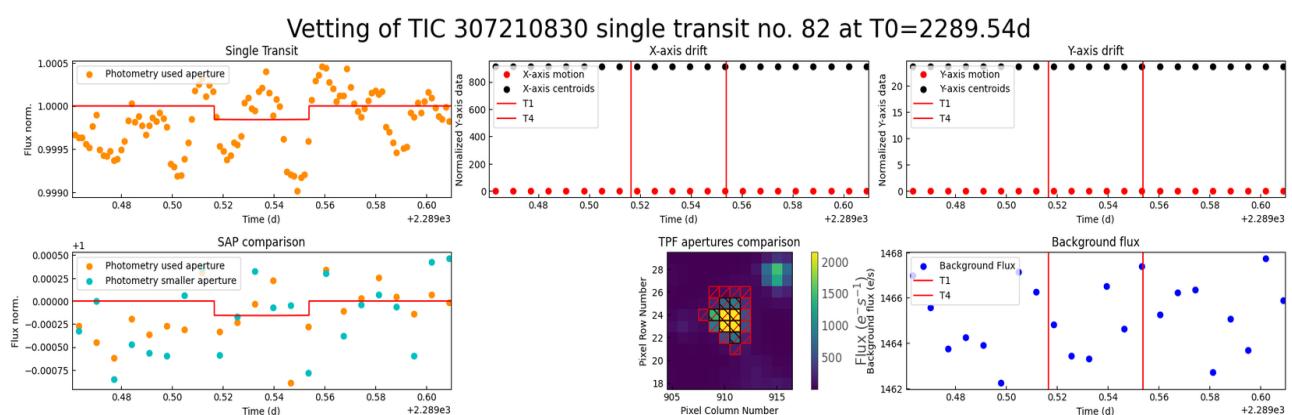


Figure 95: The single transit no. 82 vetting plots

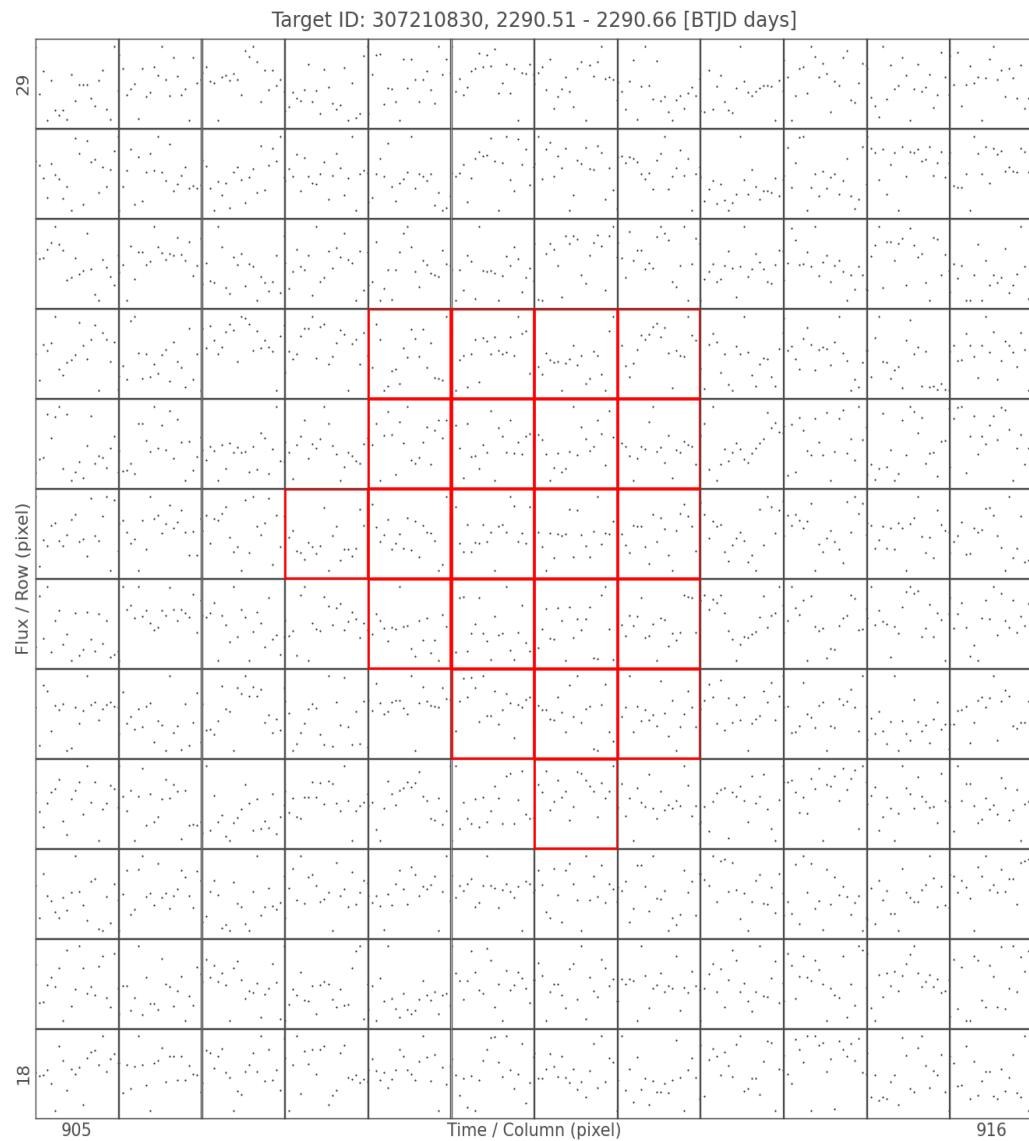
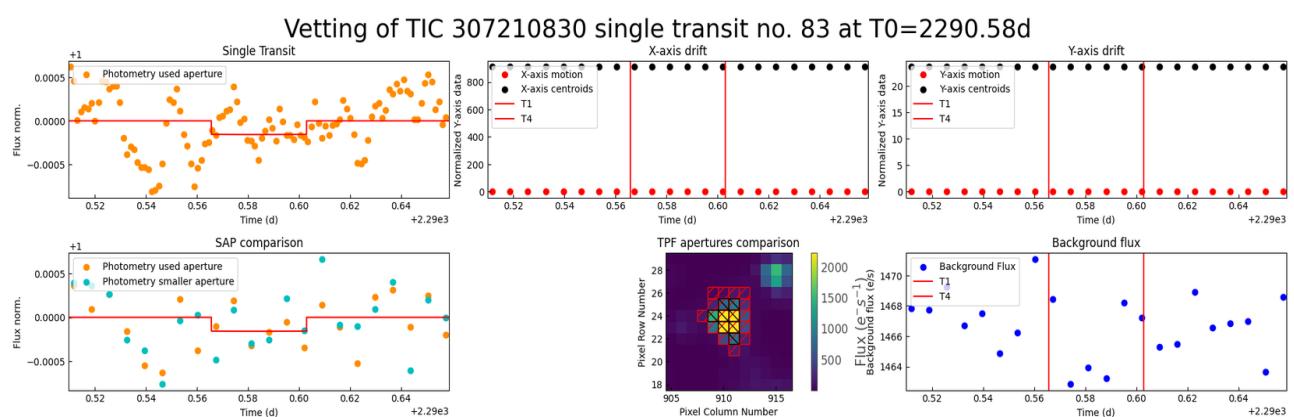


Figure 96: The single transit no. 83 vetting plots

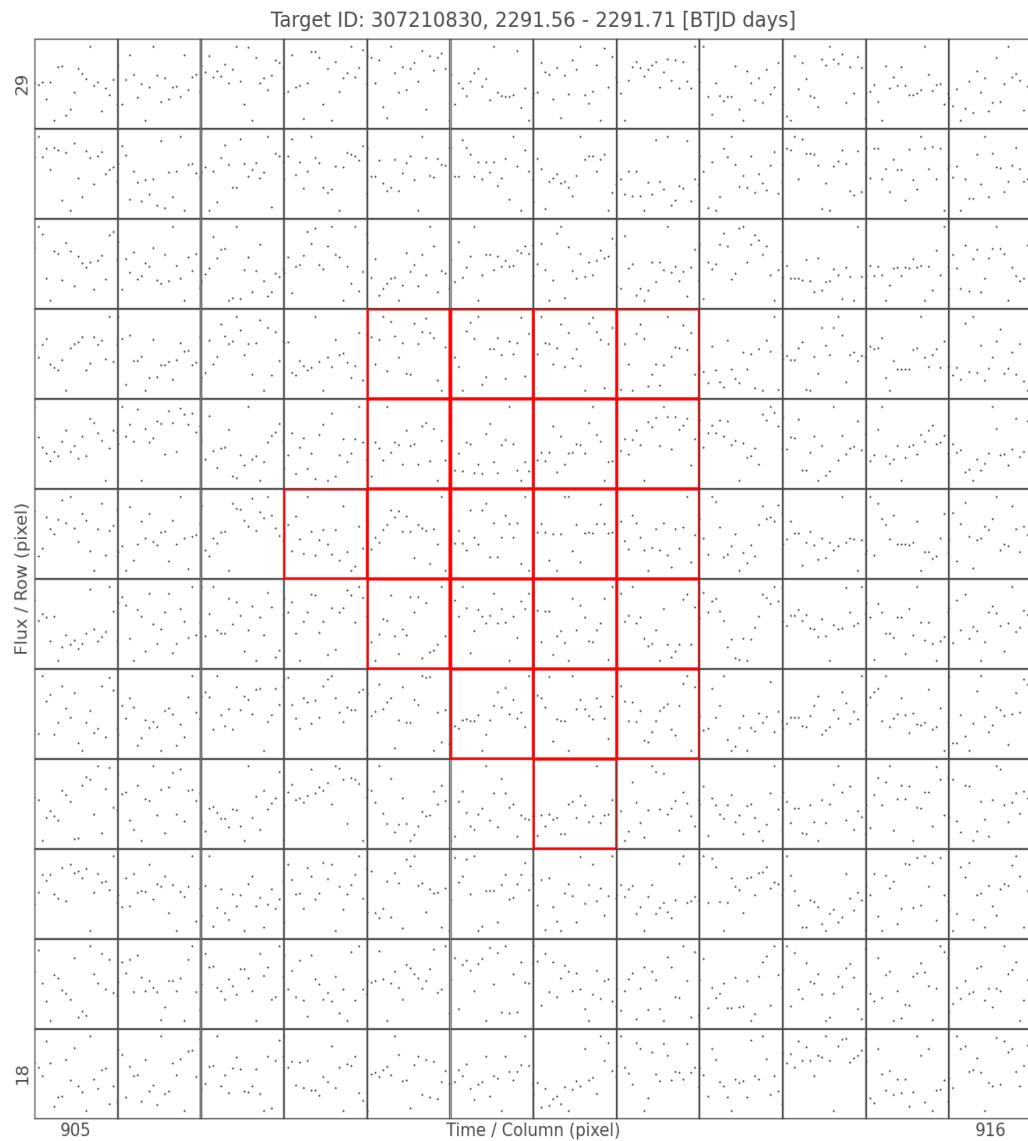
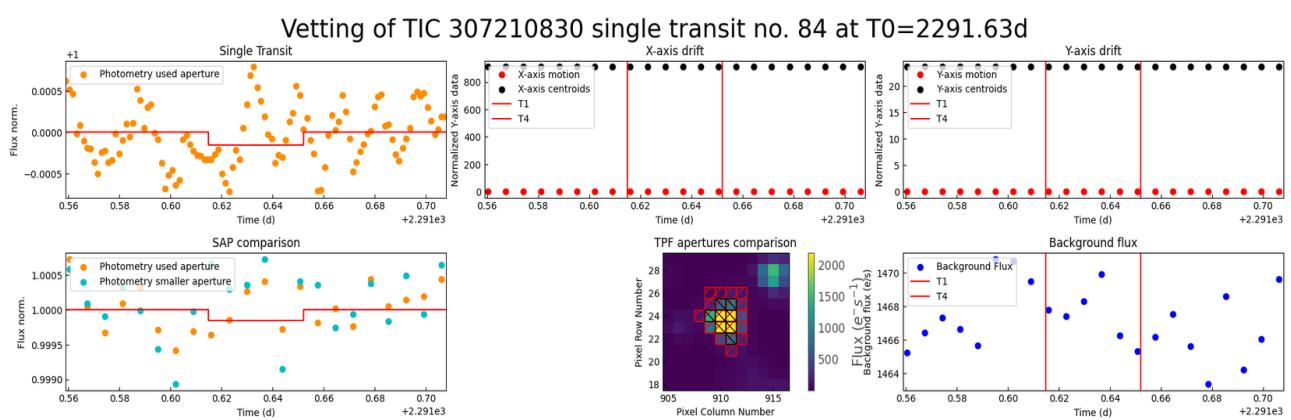
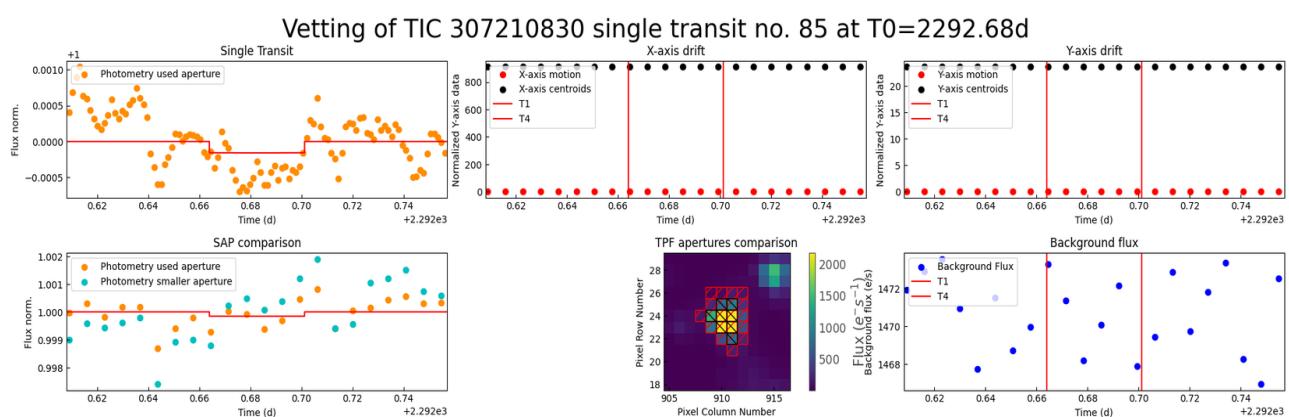


Figure 97: The single transit no. 84 vetting plots



Target ID: 307210830, 2292.61 - 2292.75 [BTJD days]

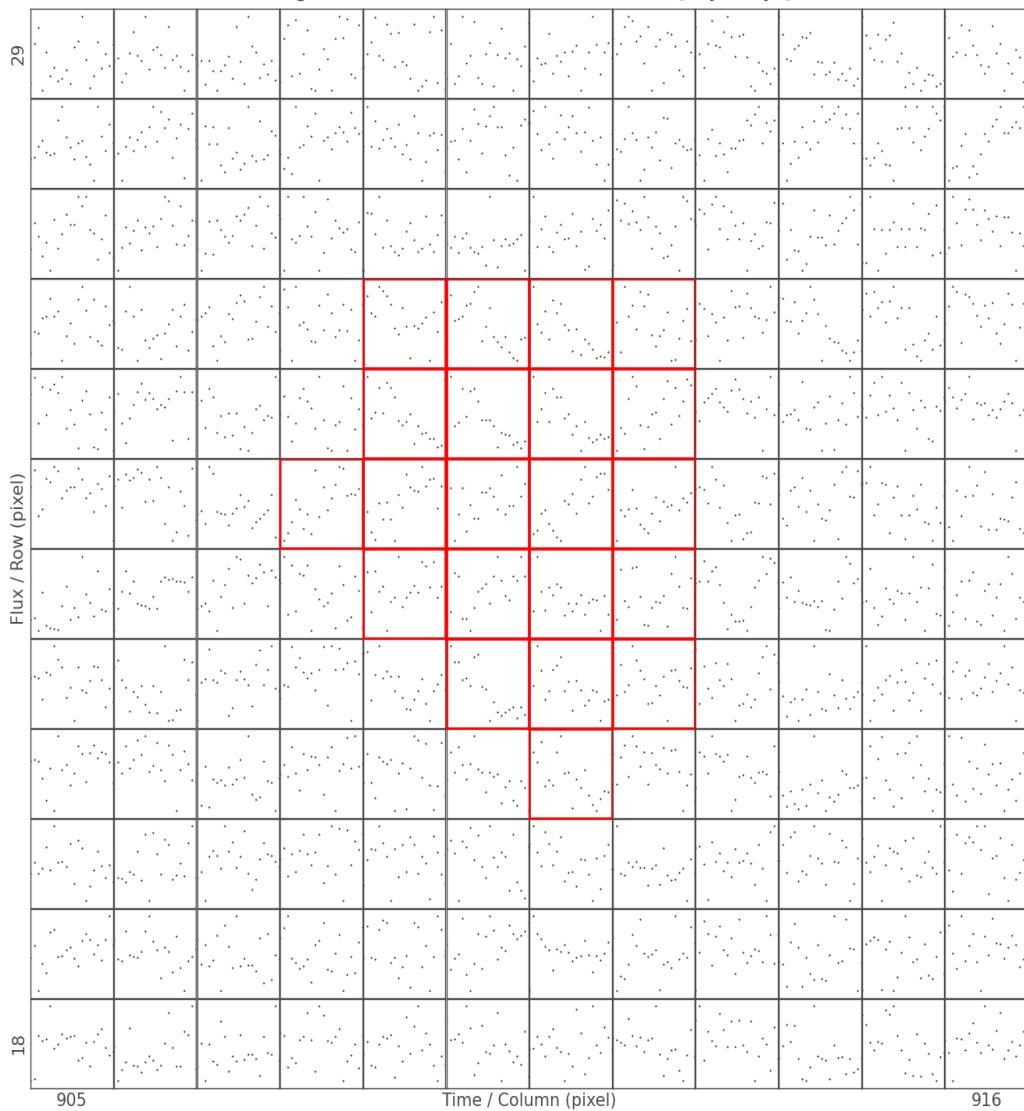


Figure 98: The single transit no. 85 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:41

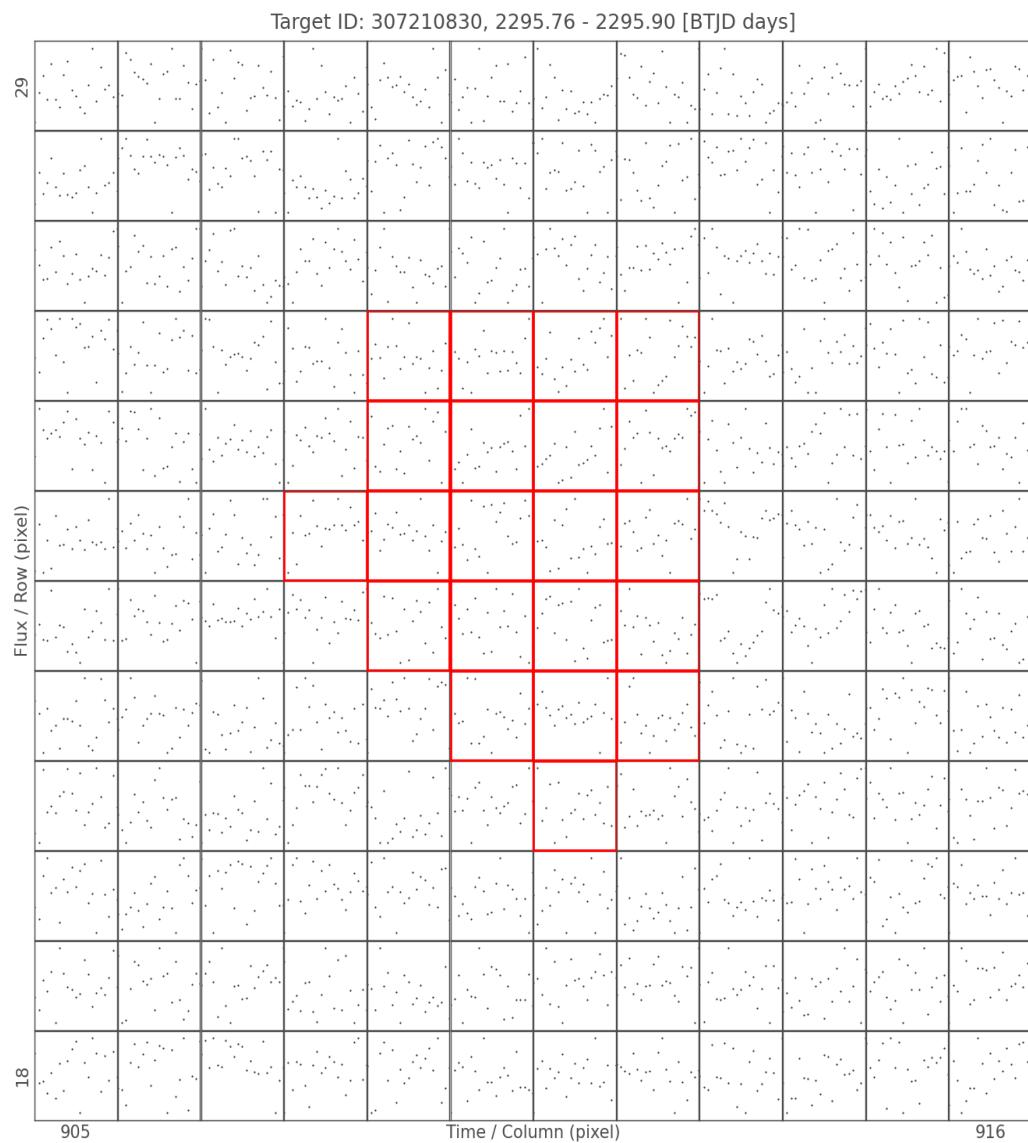
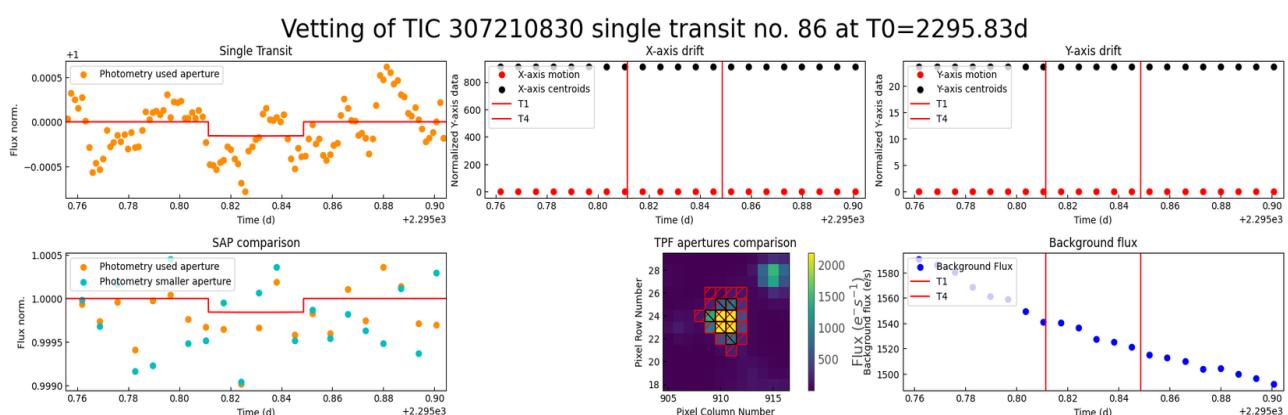


Figure 99: The single transit no. 86 vetting plots

WATSON Transits Validation Report: TIC 307210830

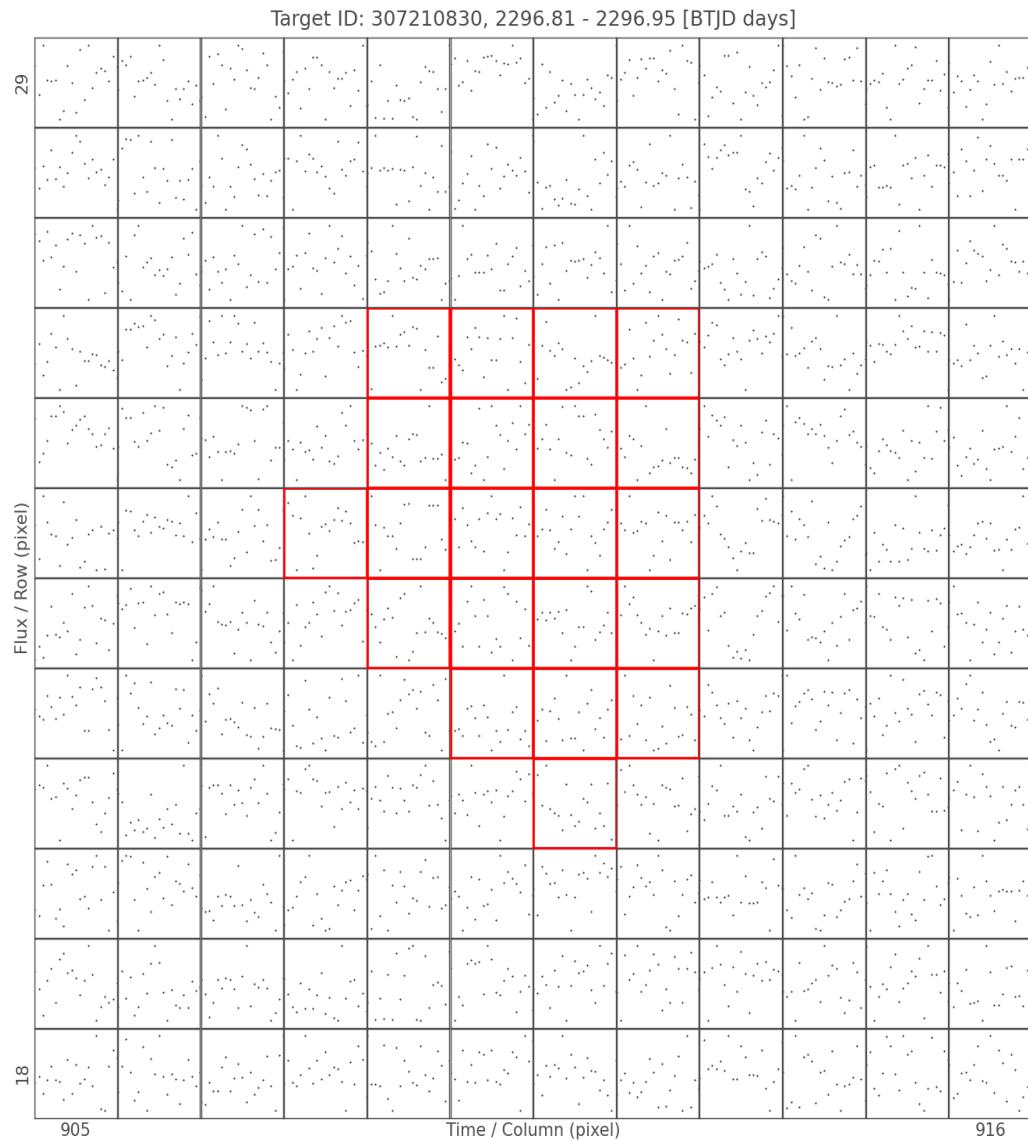
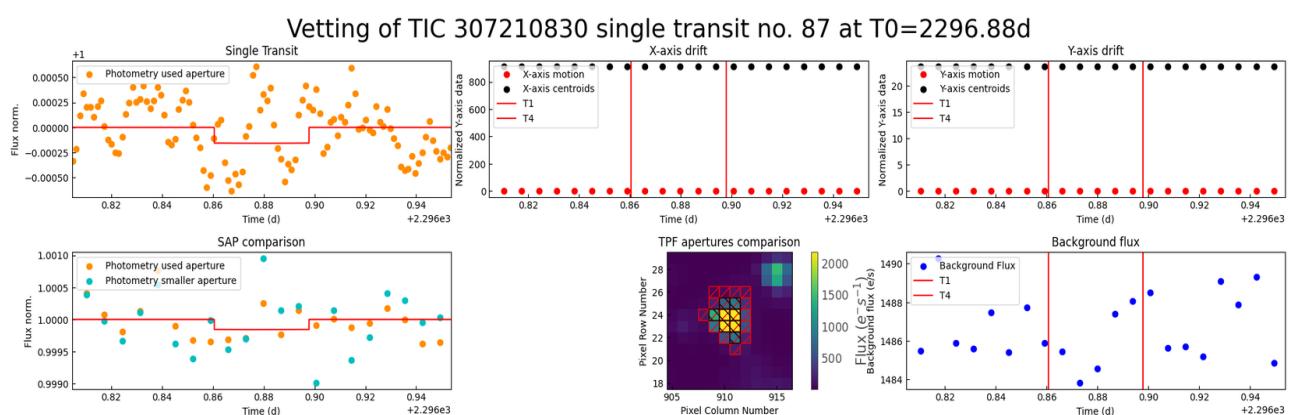


Figure 100: The single transit no. 87 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:41

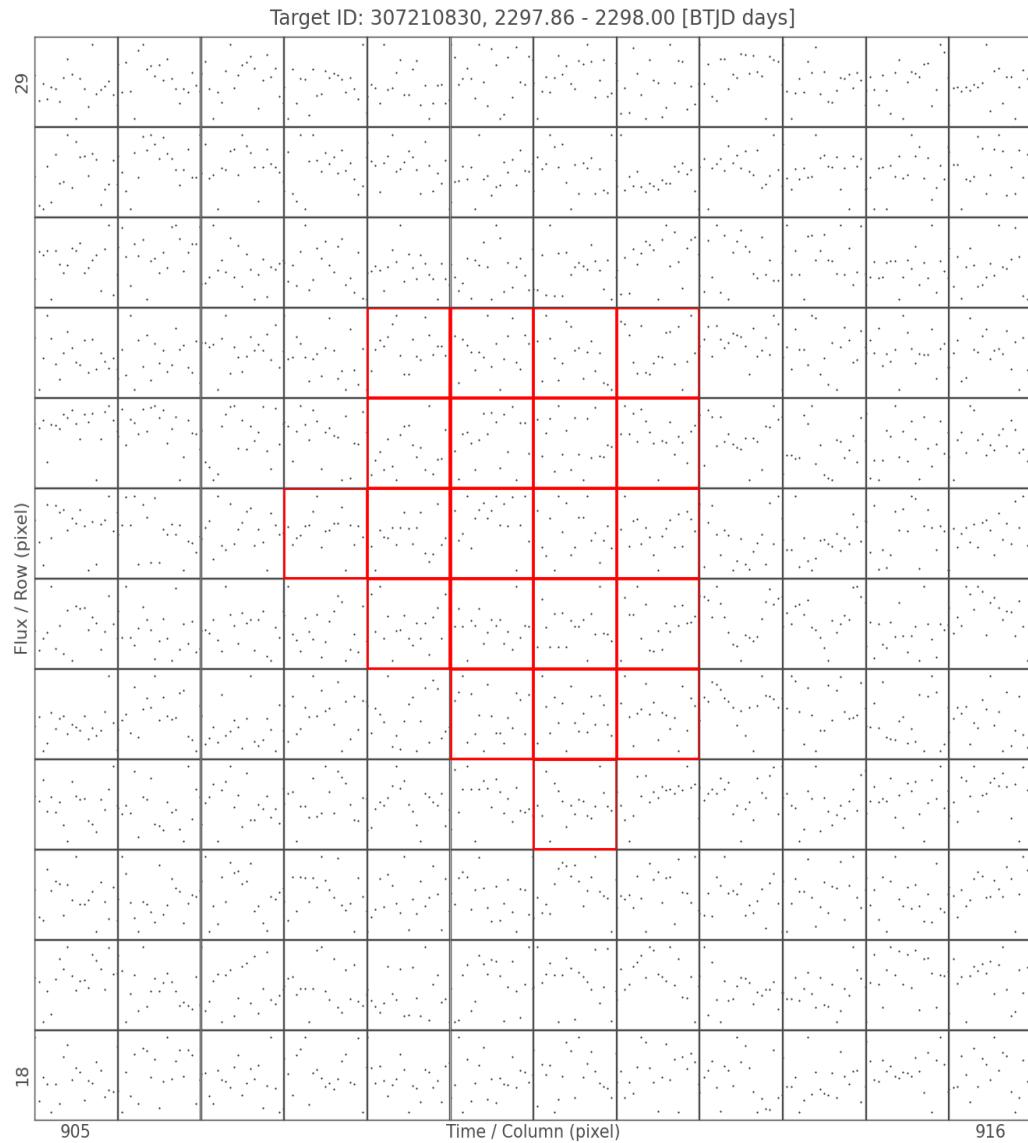
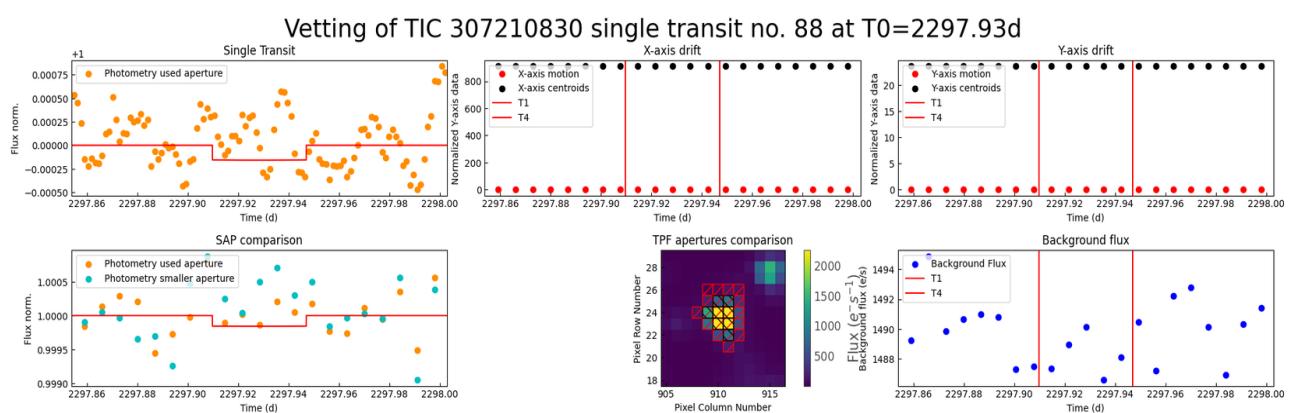


Figure 101: The single transit no. 88 vetting plots

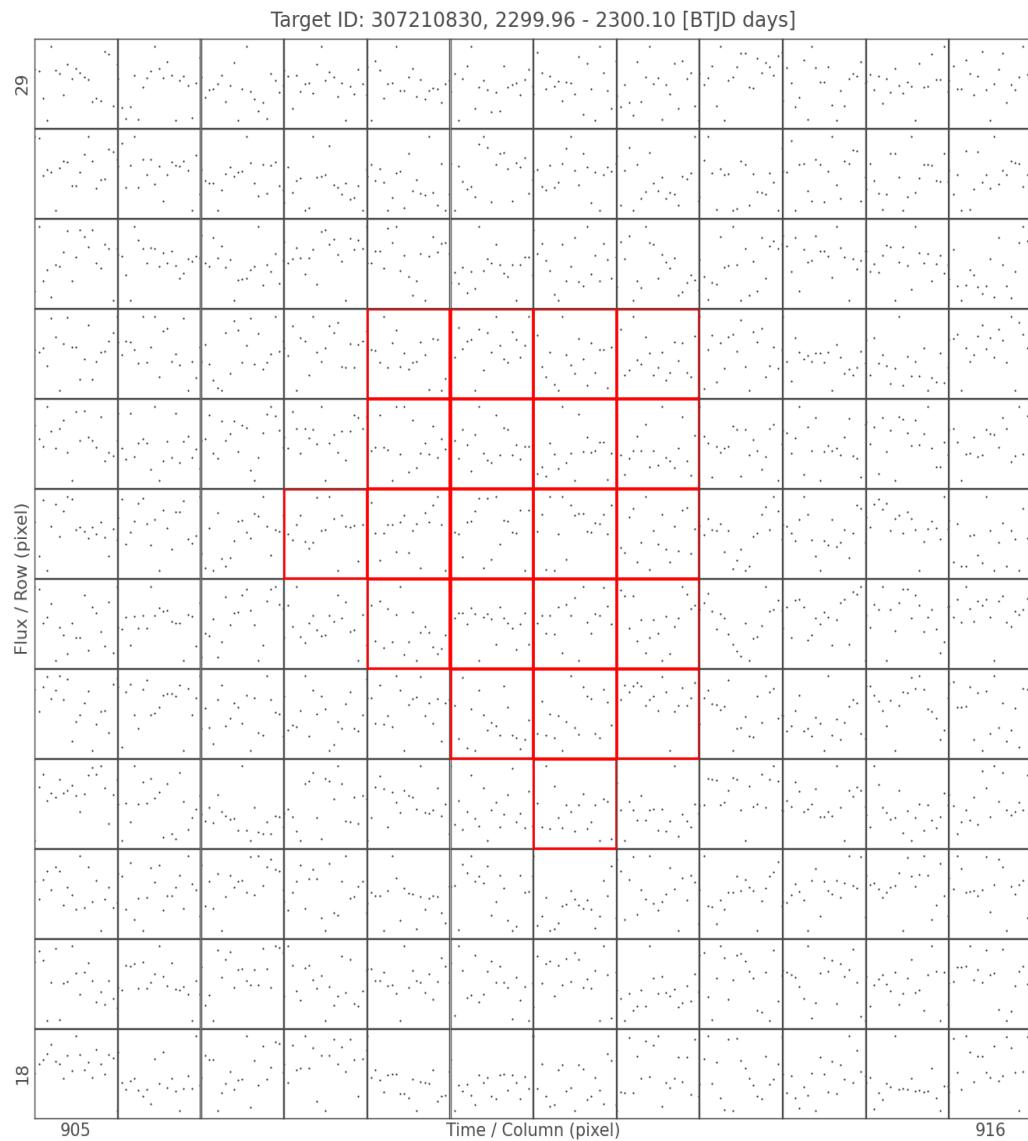
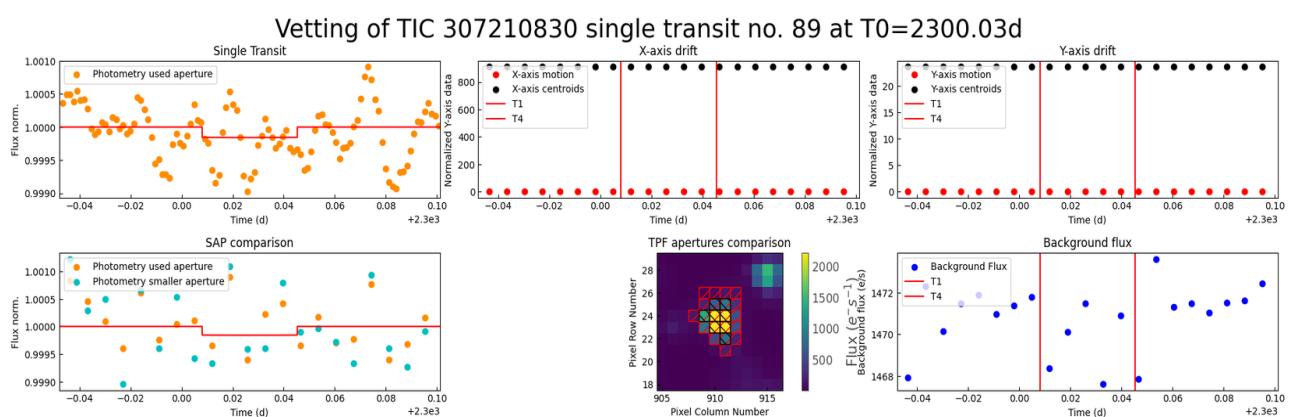


Figure 102: The single transit no. 89 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:42

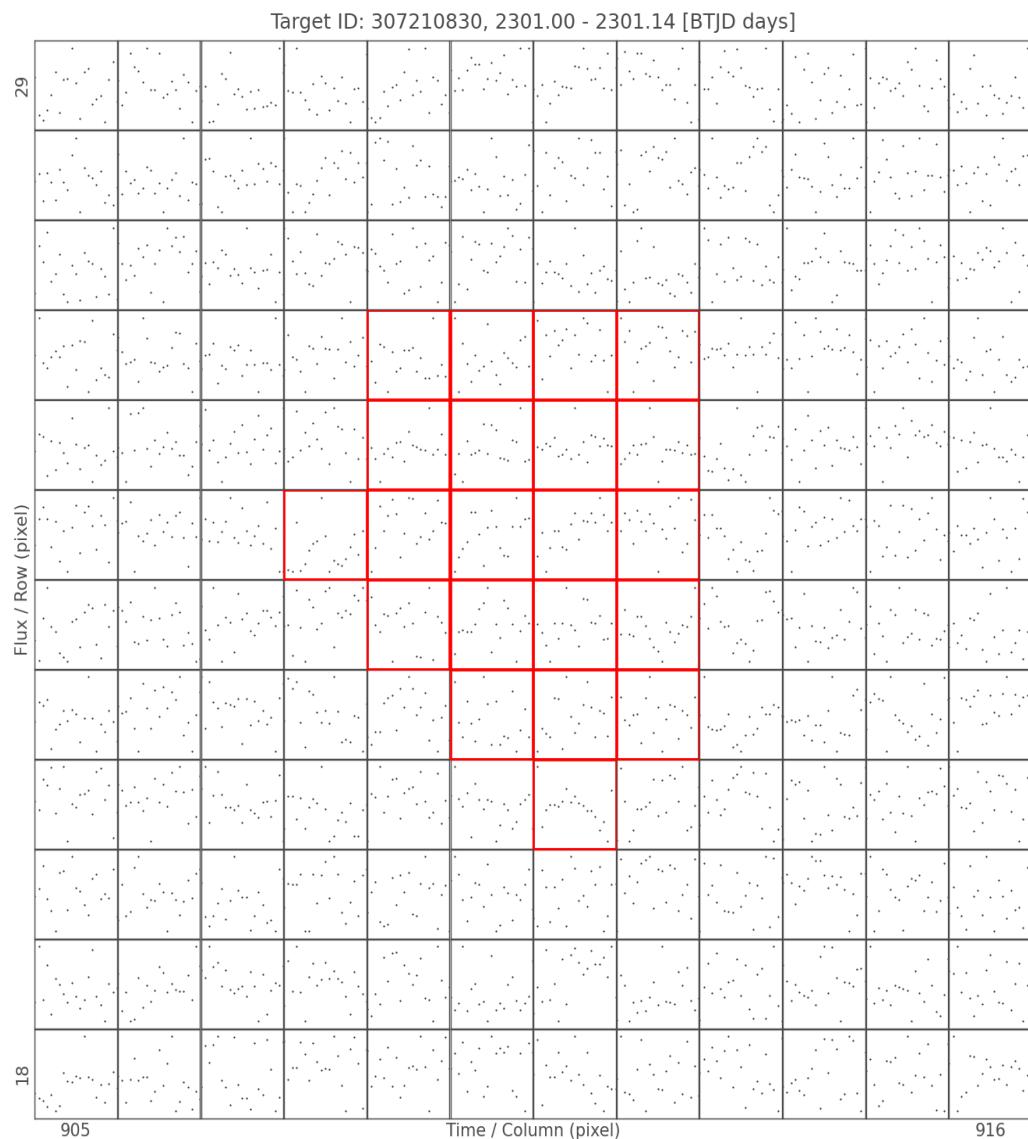
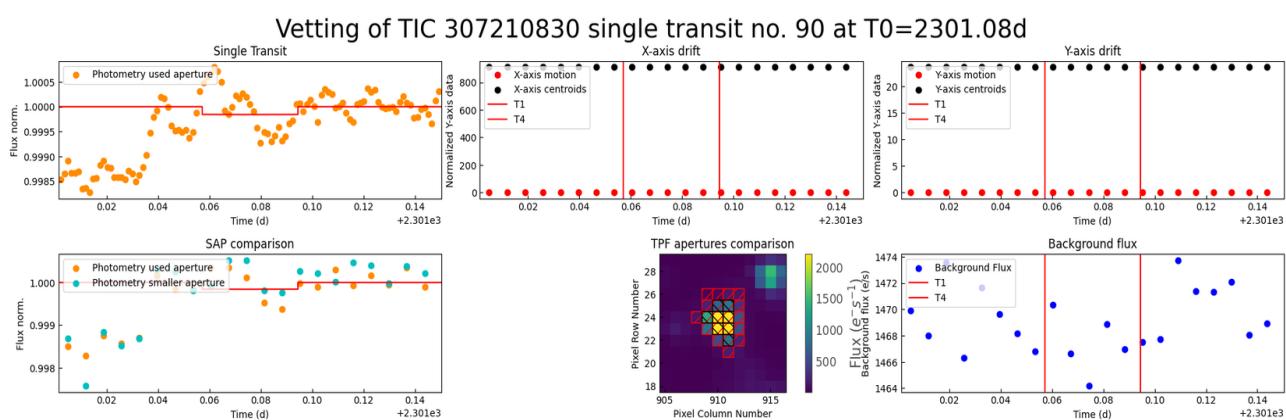


Figure 103: The single transit no. 90 vetting plots

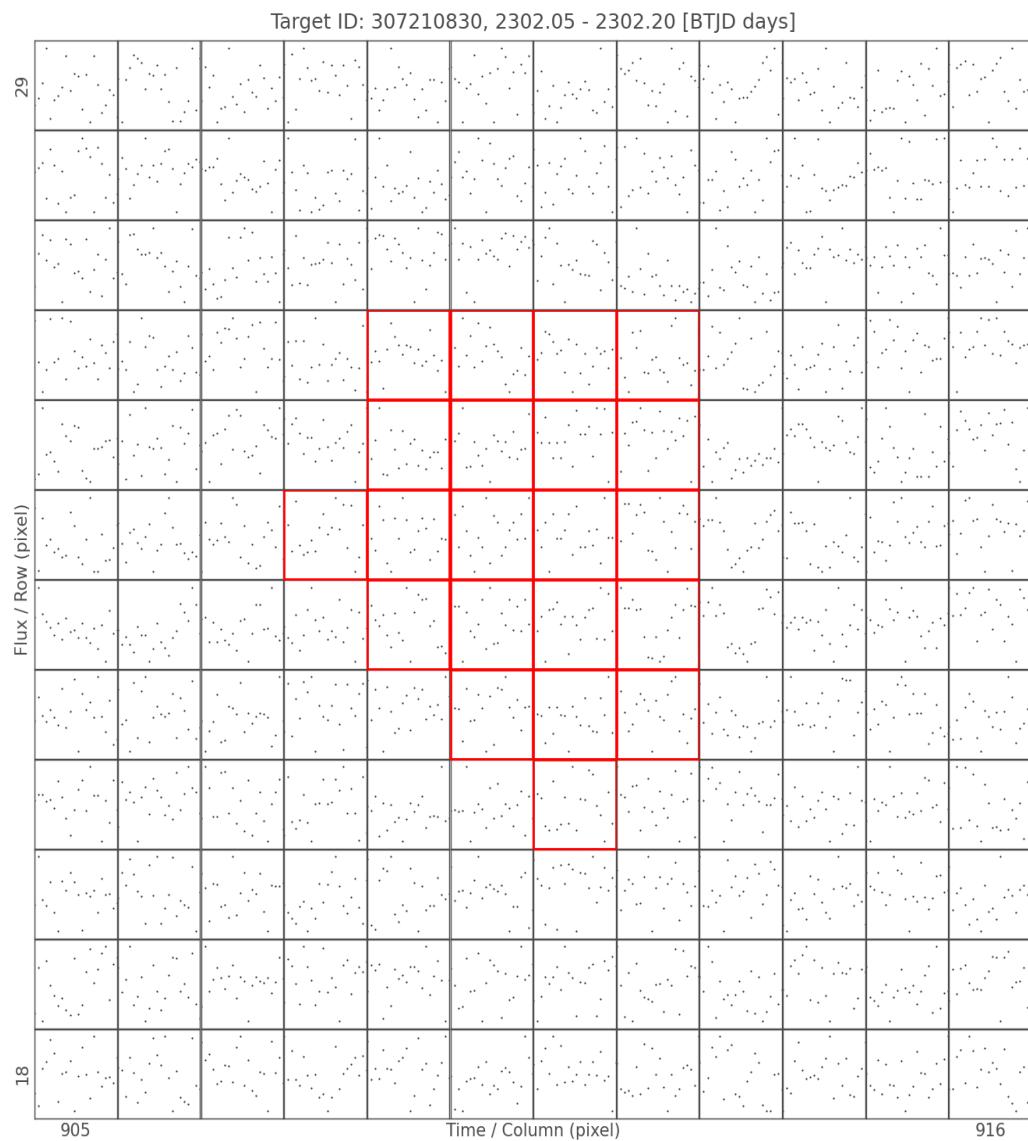
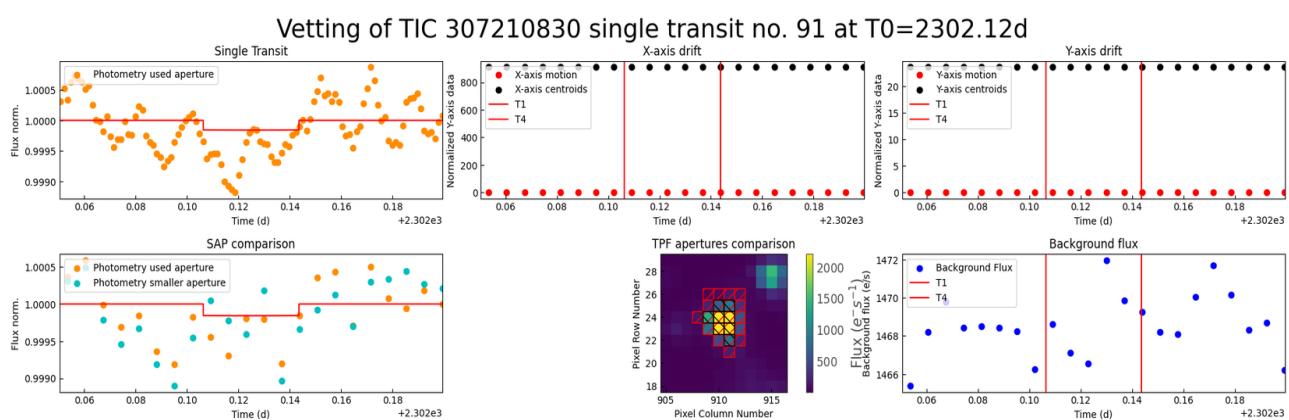


Figure 104: The single transit no. 91 vetting plots

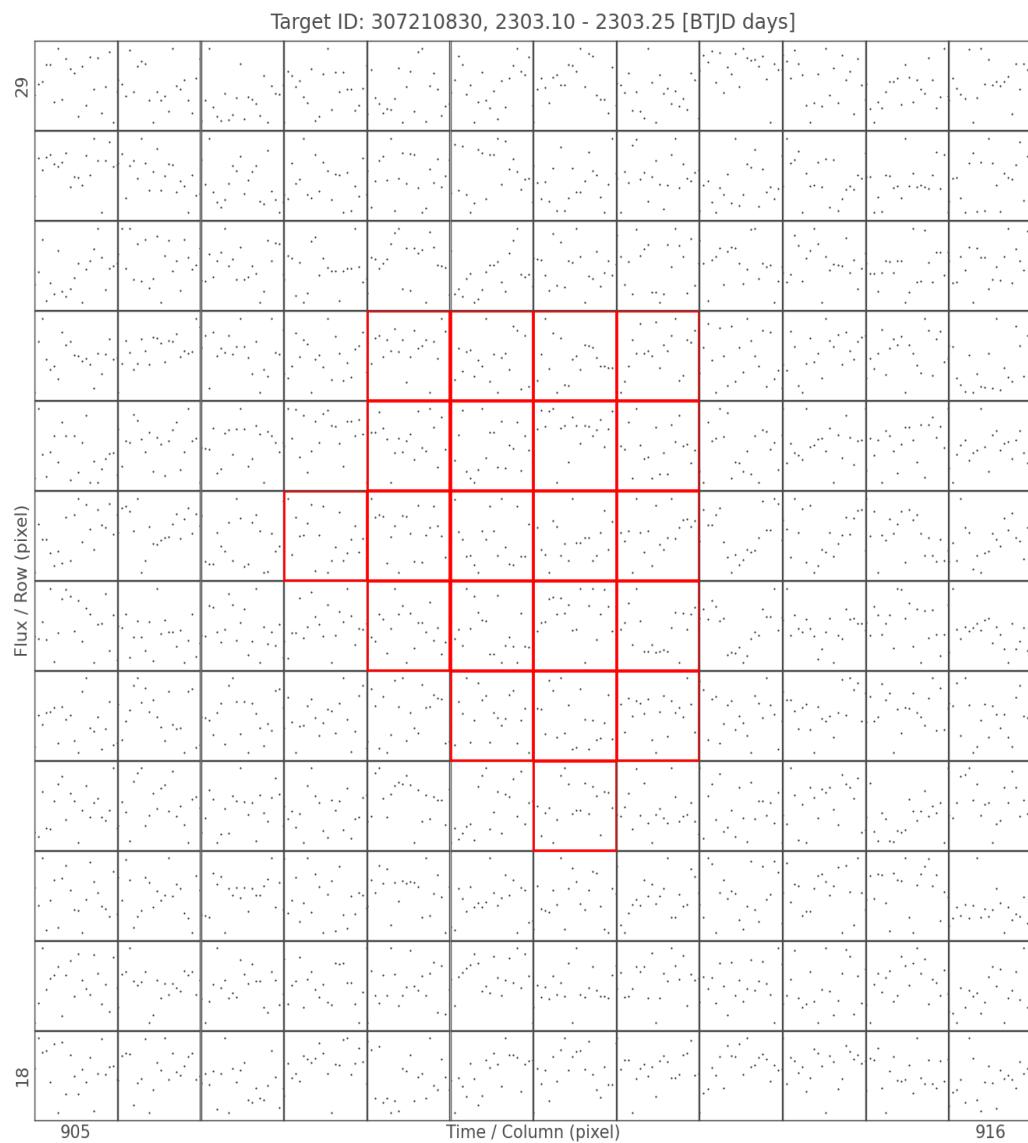
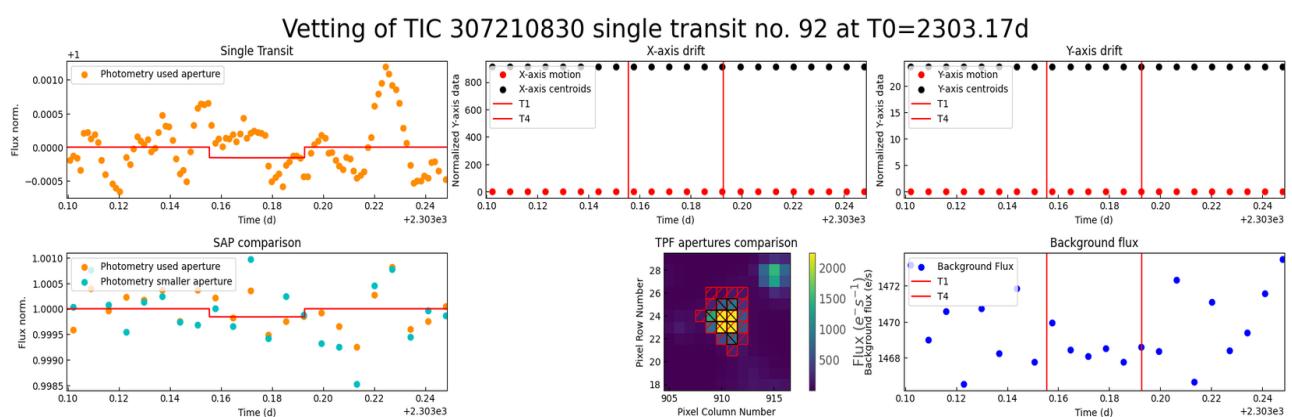


Figure 105: The single transit no. 92 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:42

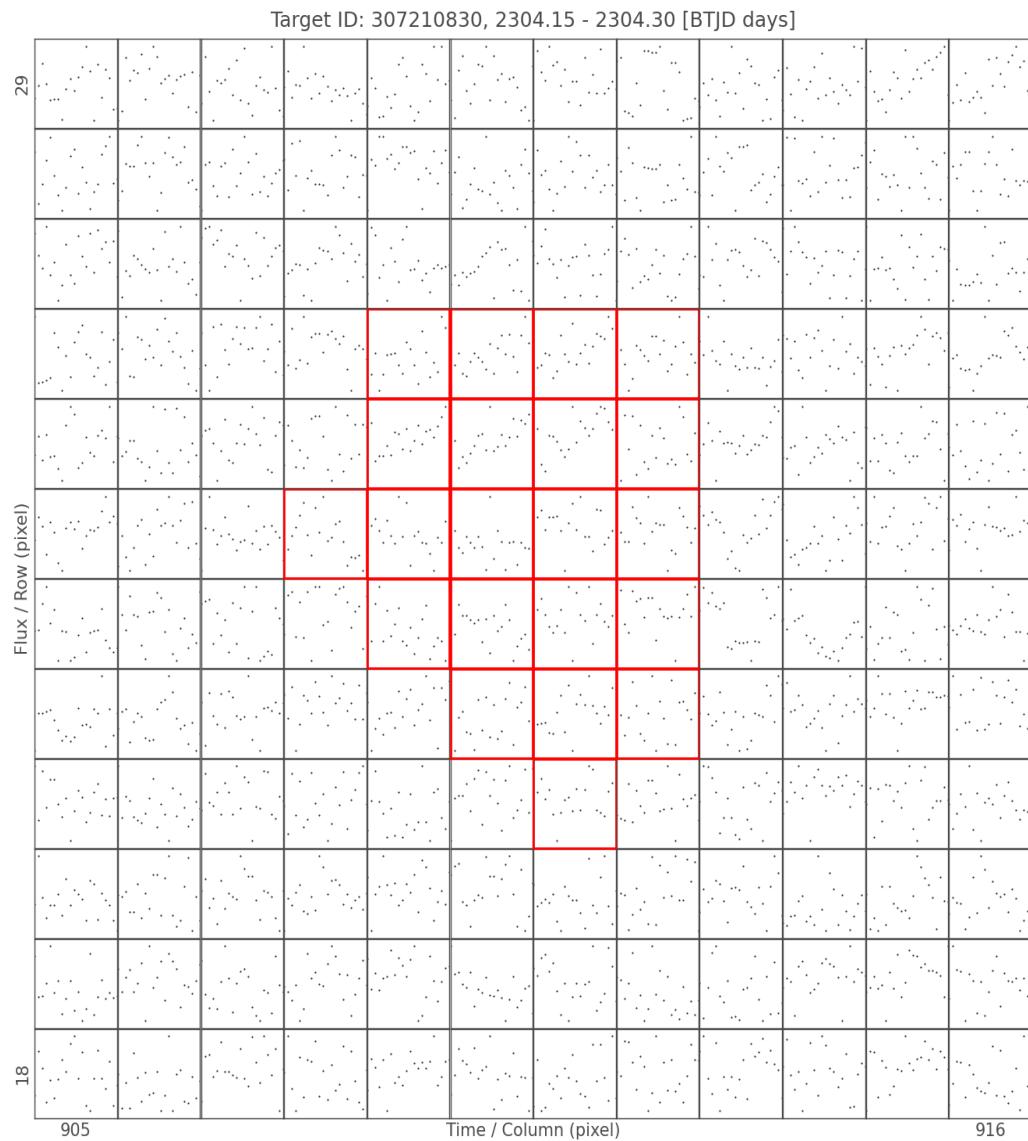
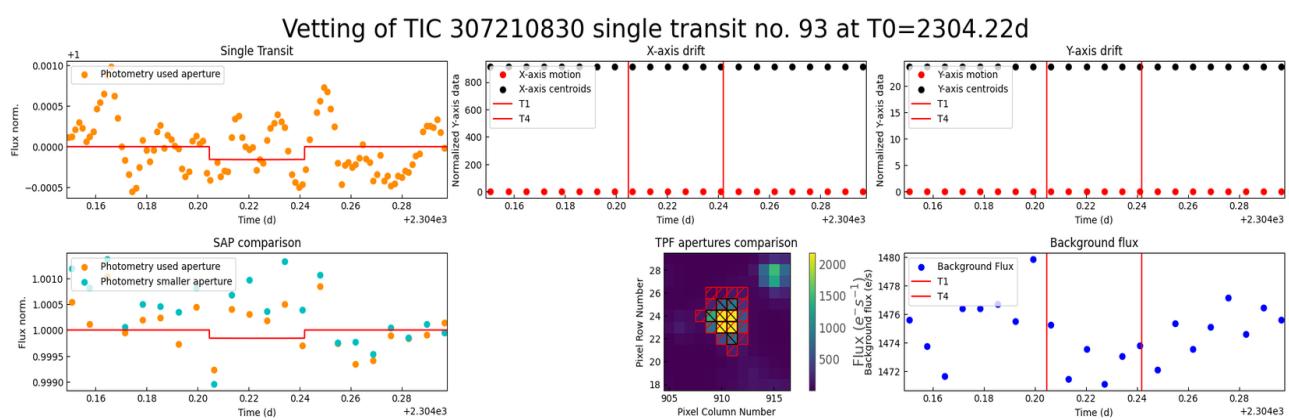


Figure 106: The single transit no. 93 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:43

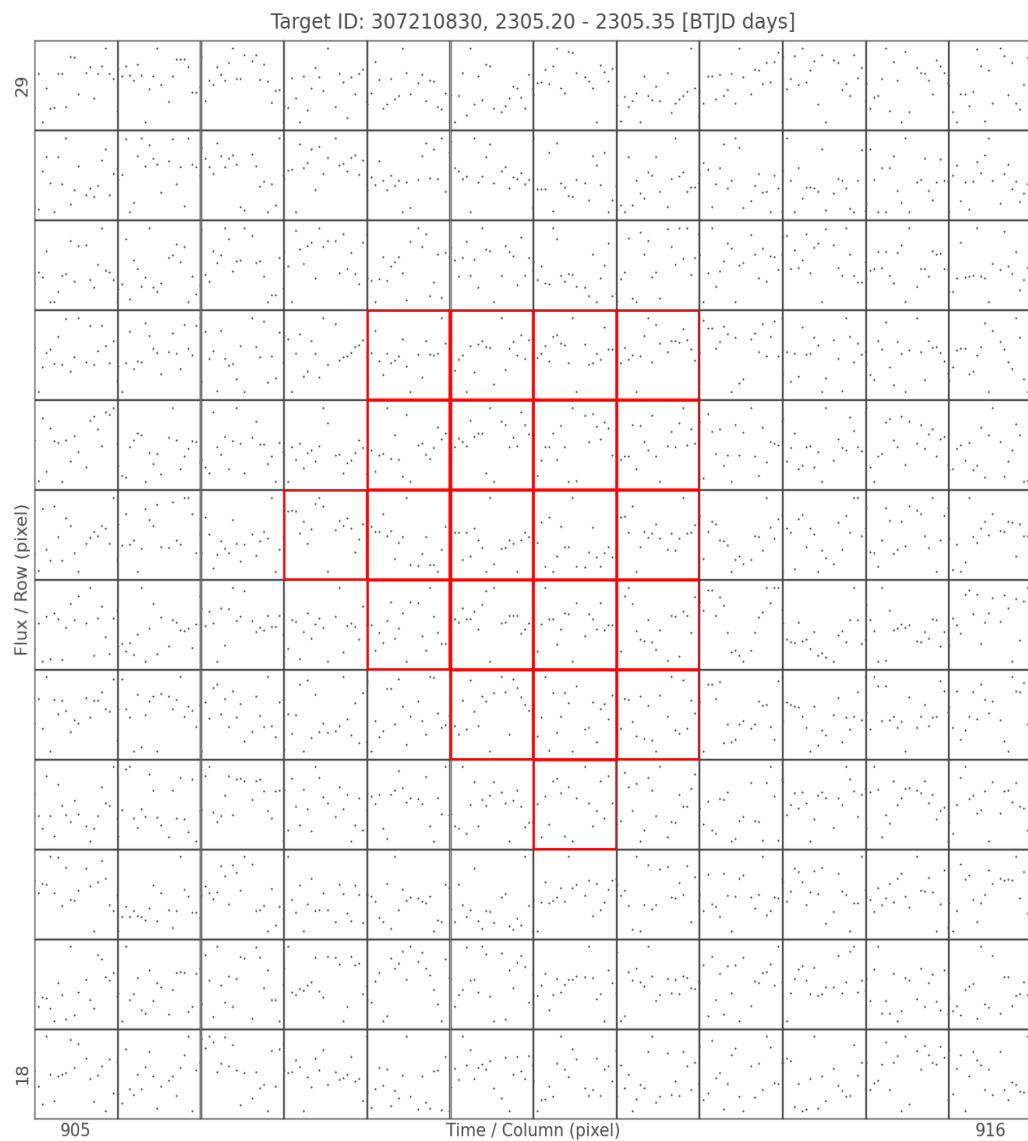
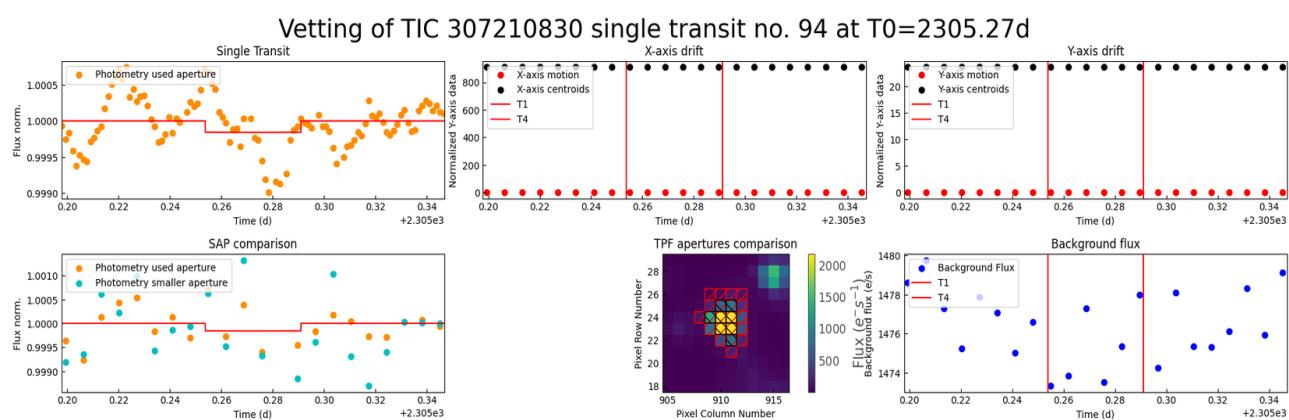


Figure 107: The single transit no. 94 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:43

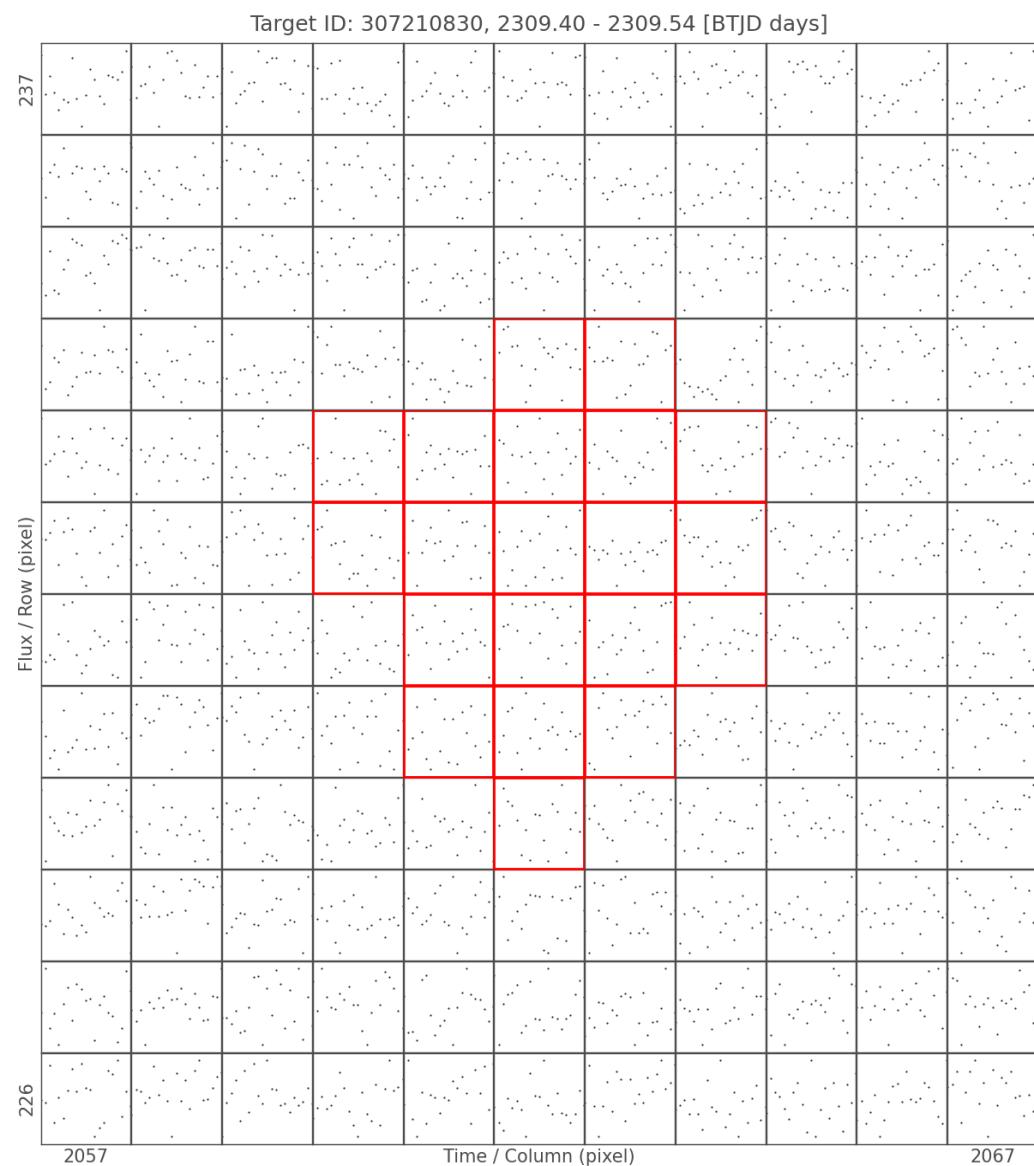
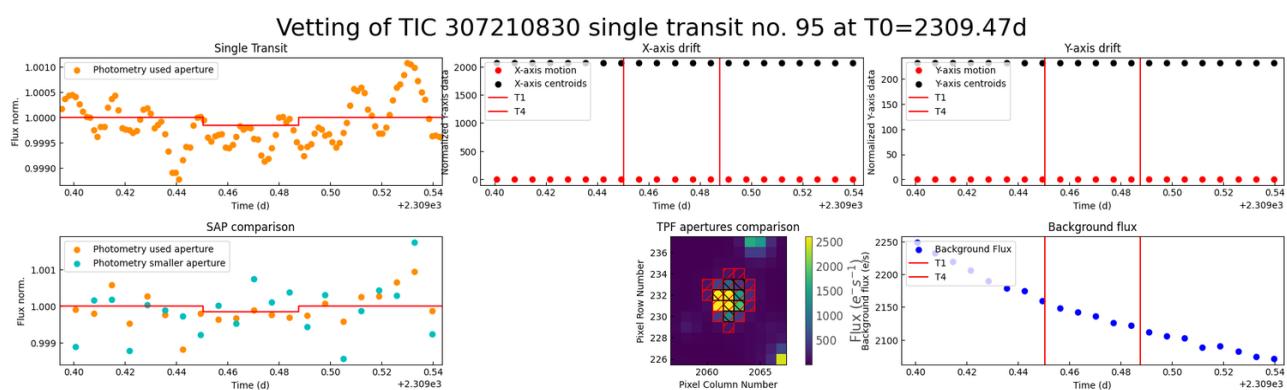


Figure 108: The single transit no. 95 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:43

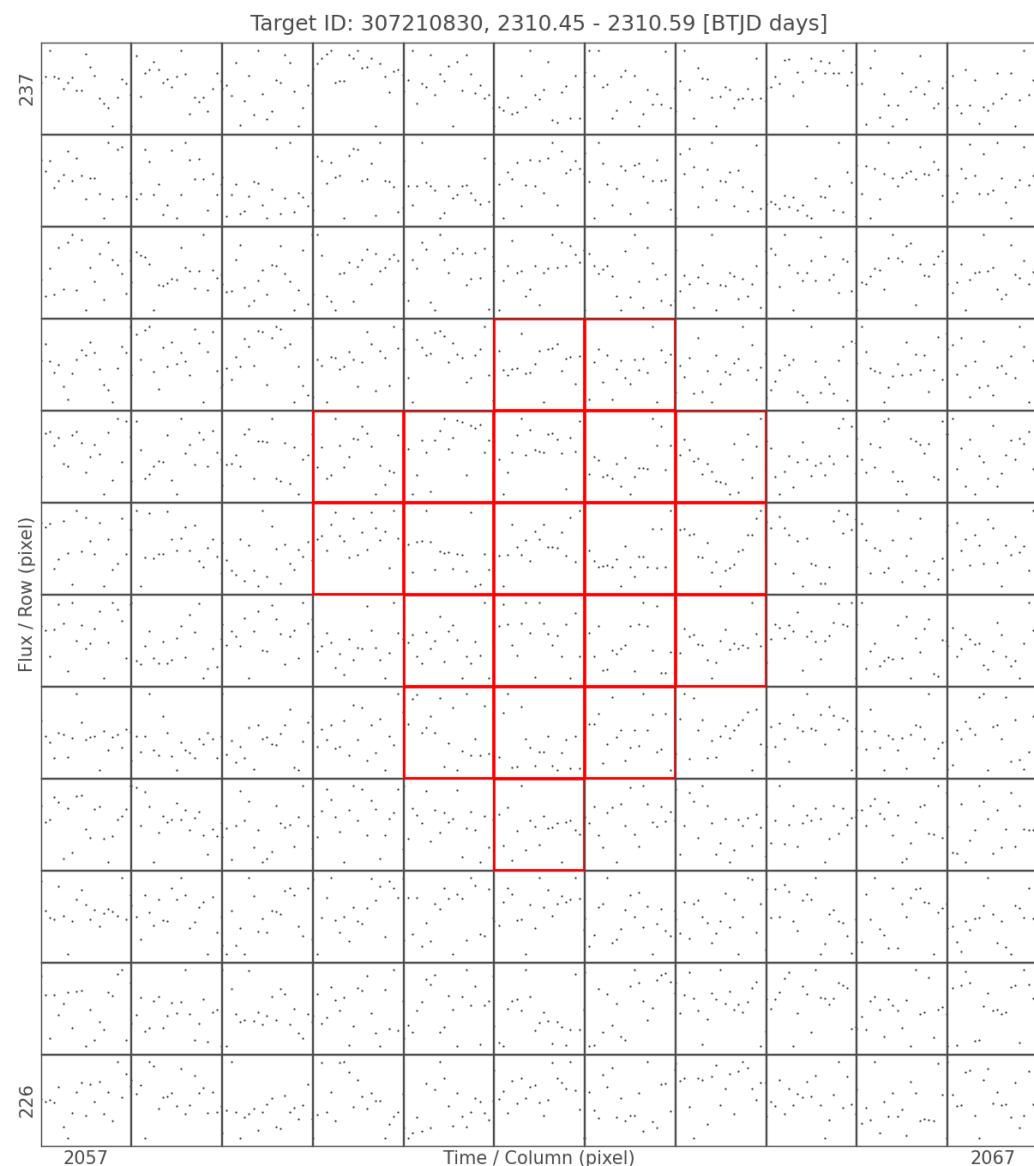
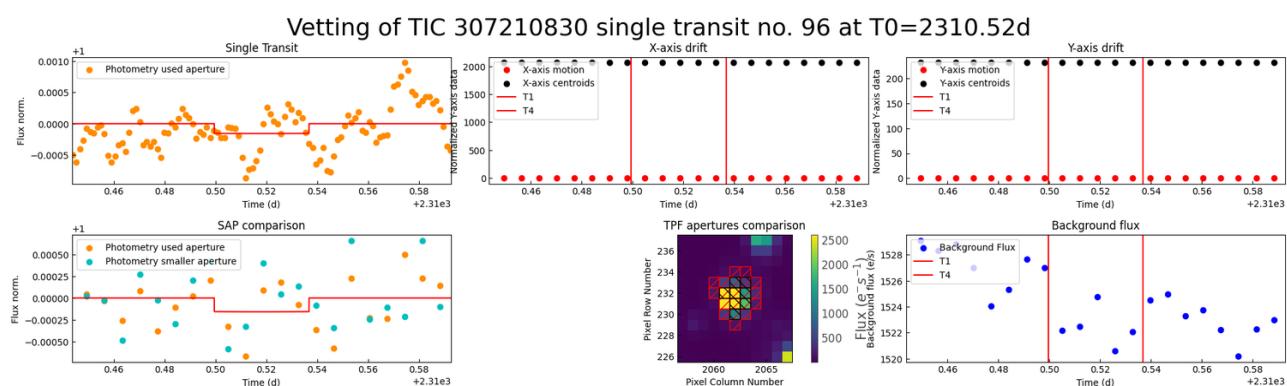


Figure 109: The single transit no. 96 vetting plots

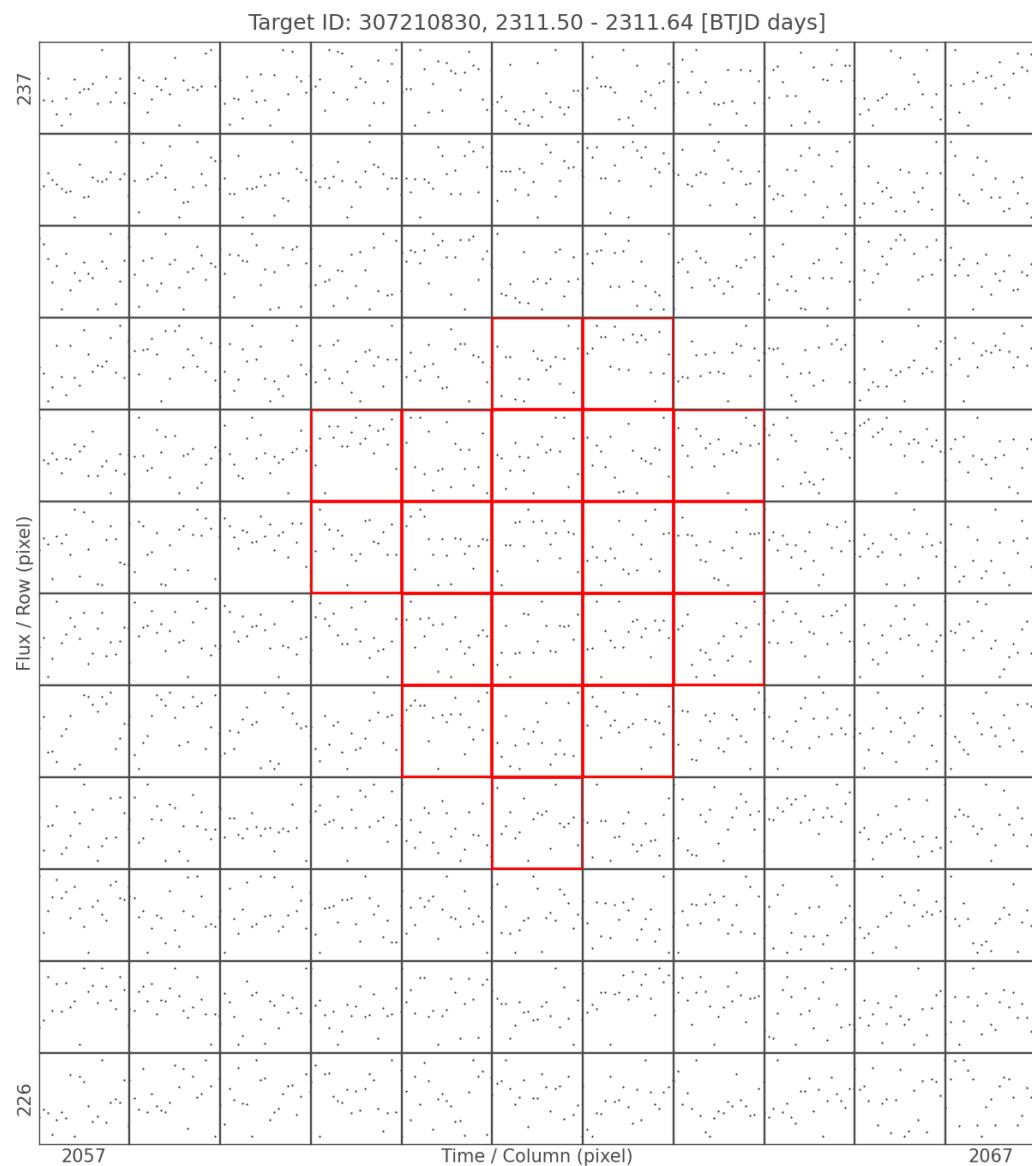
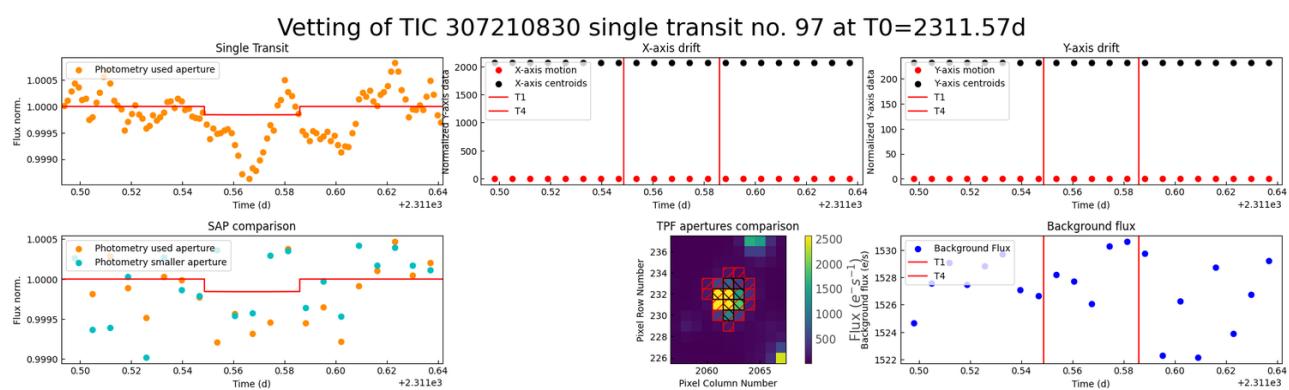


Figure 110: The single transit no. 97 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:43

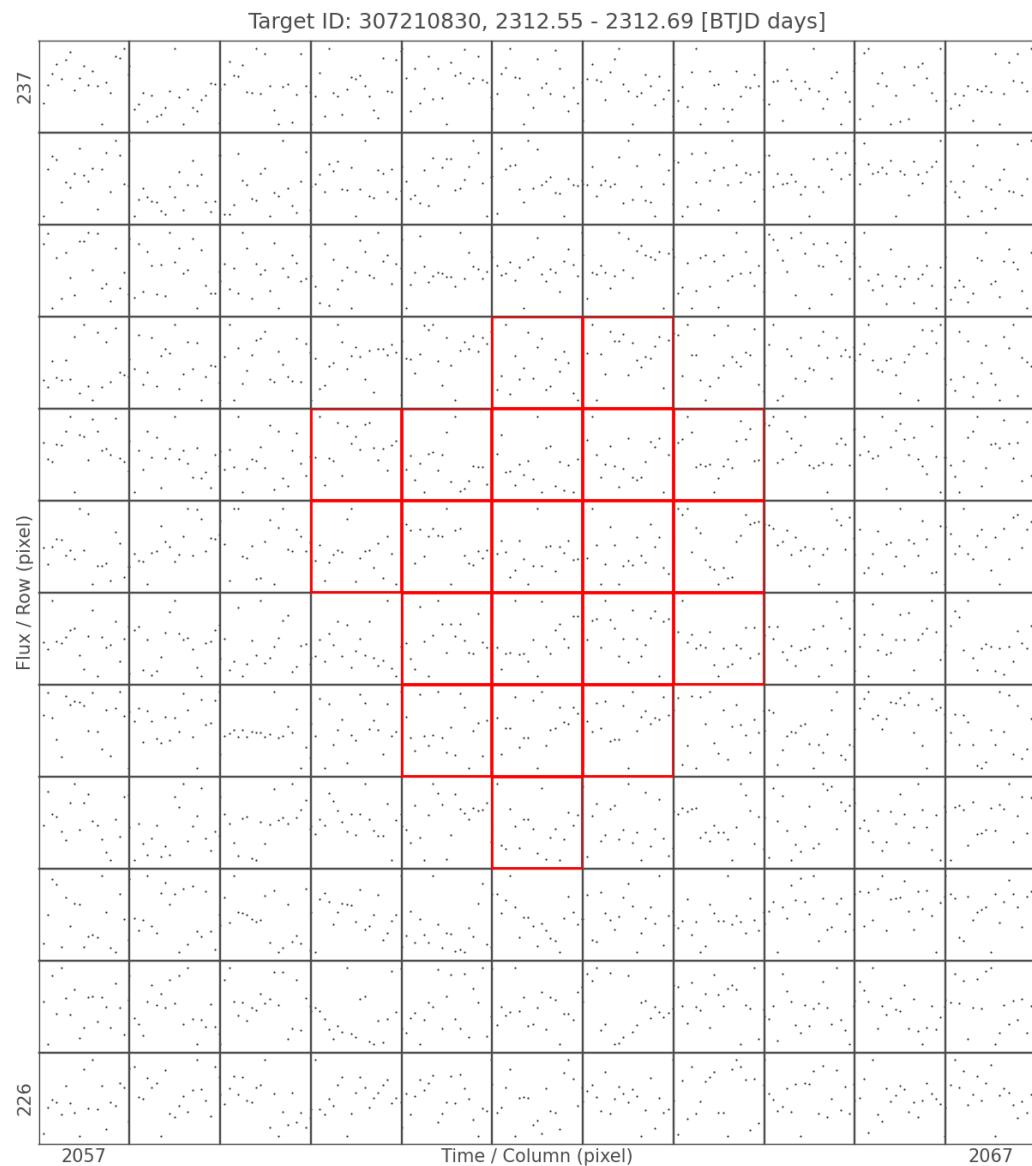
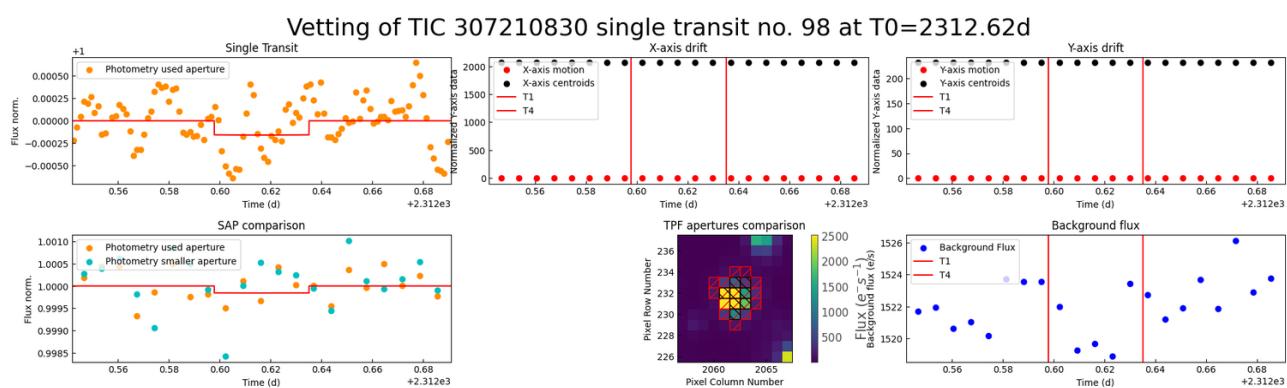


Figure 111: The single transit no. 98 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:44

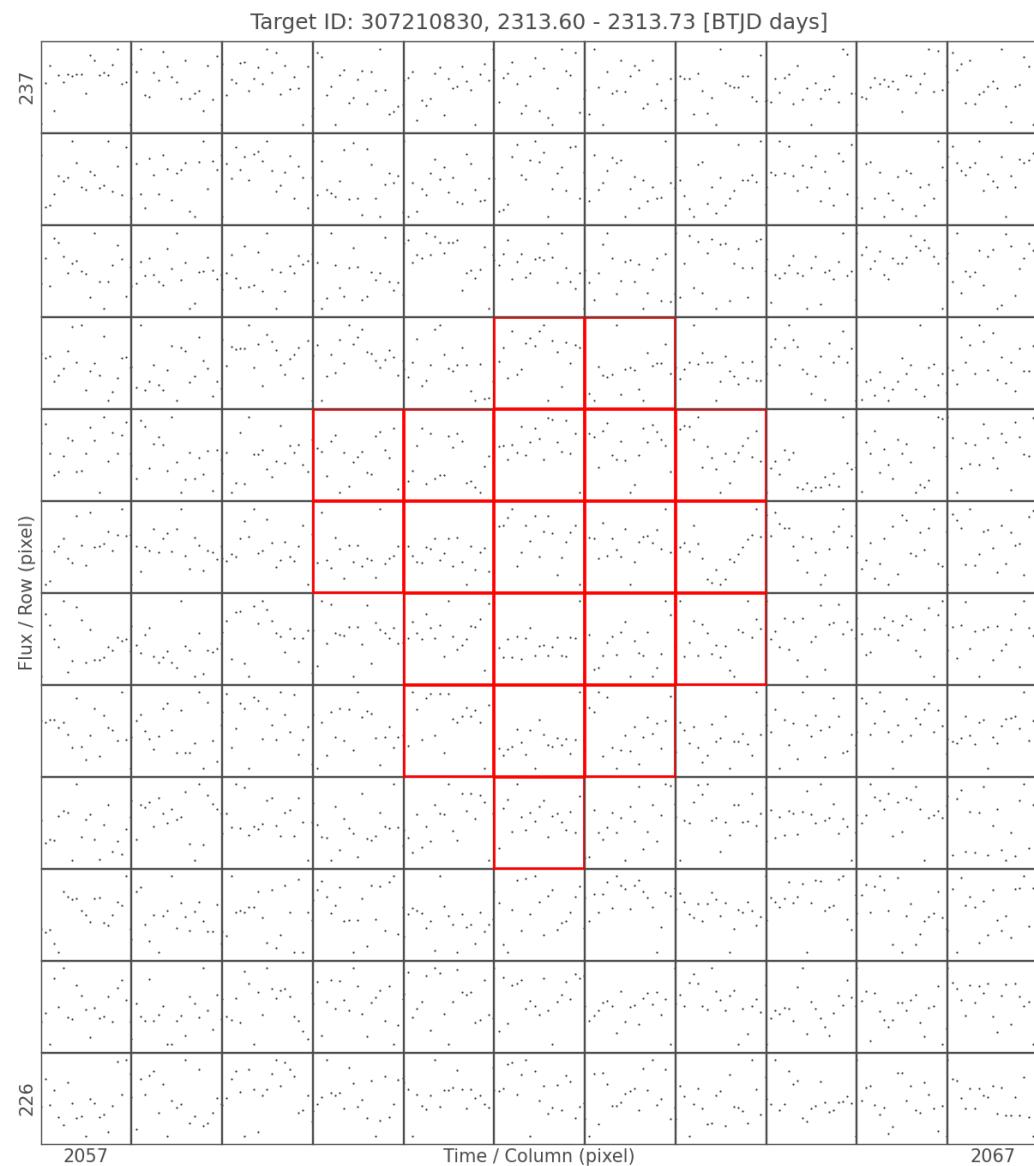
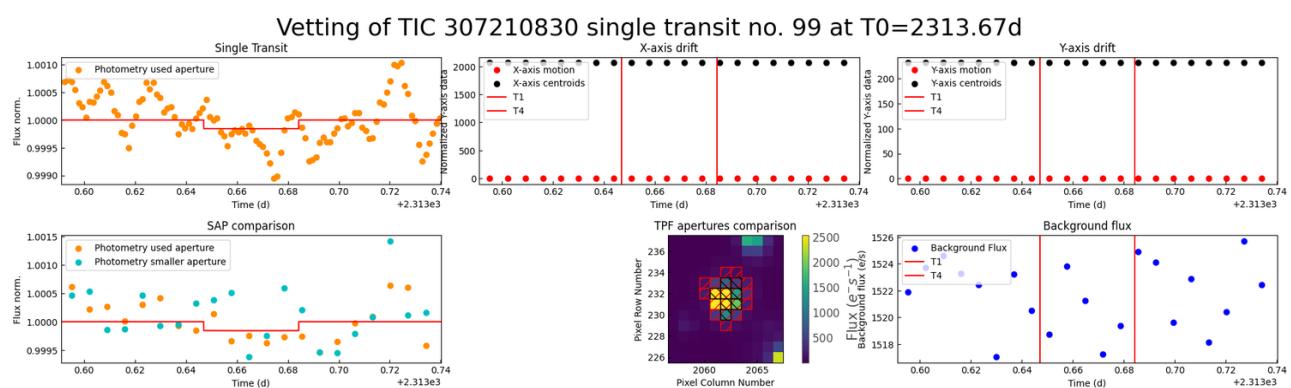


Figure 112: The single transit no. 99 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:44

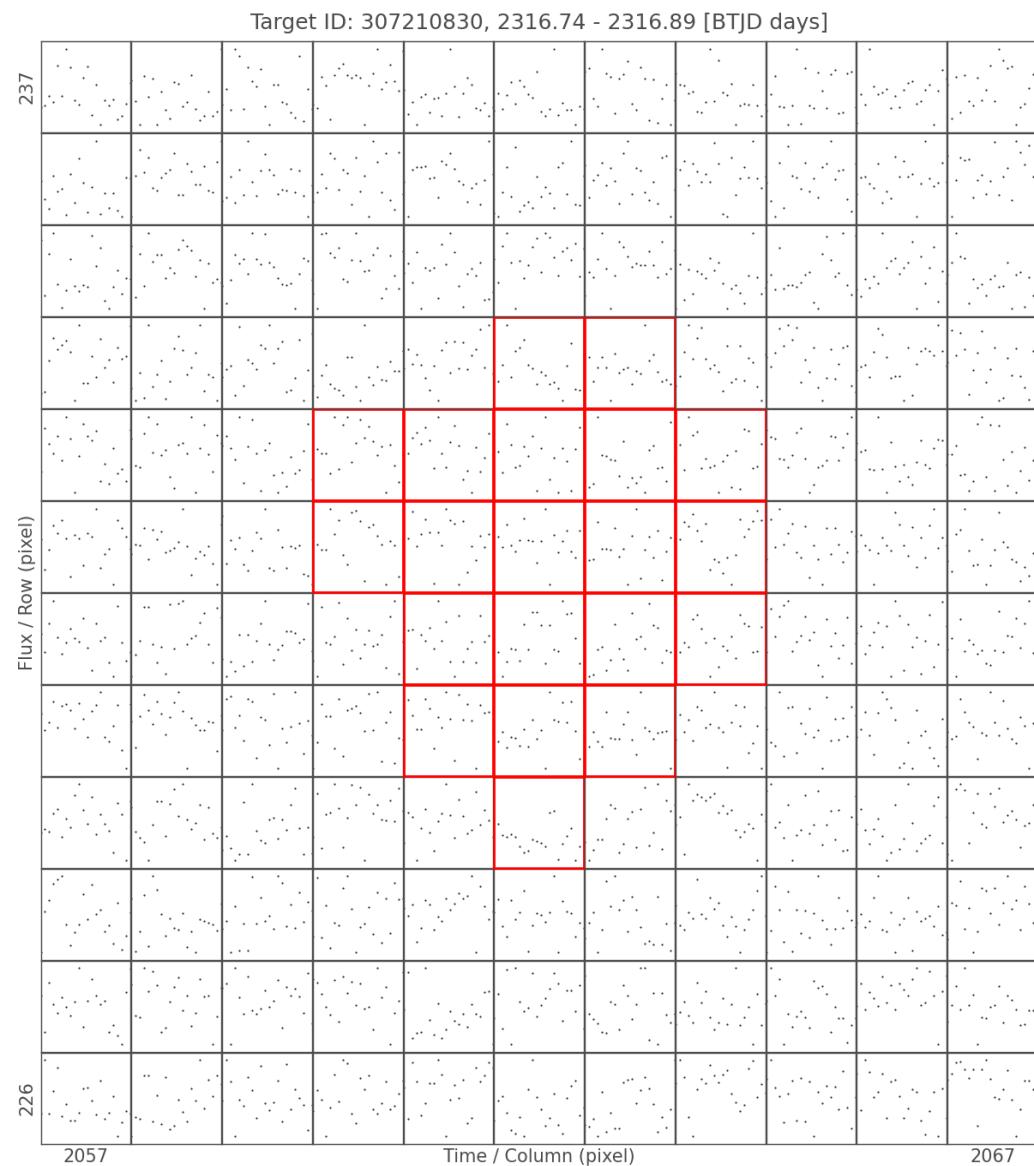
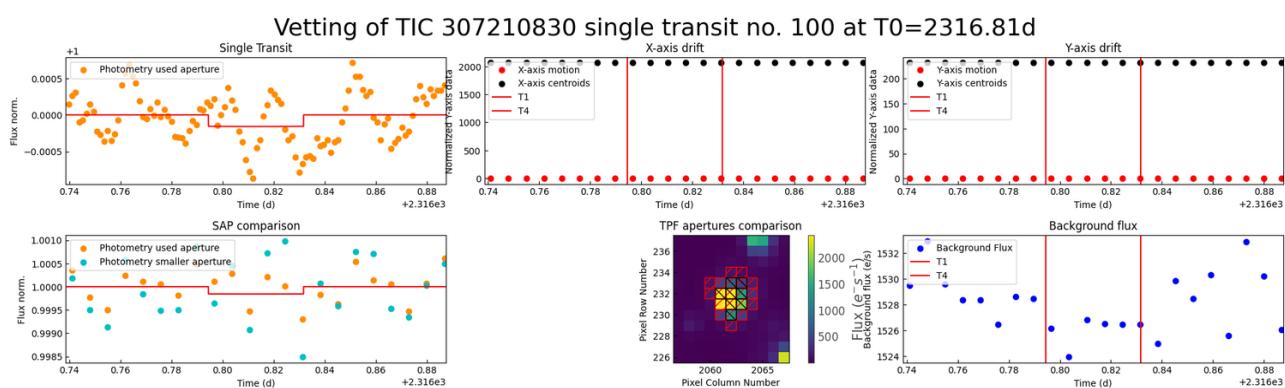


Figure 113: The single transit no. 100 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:44

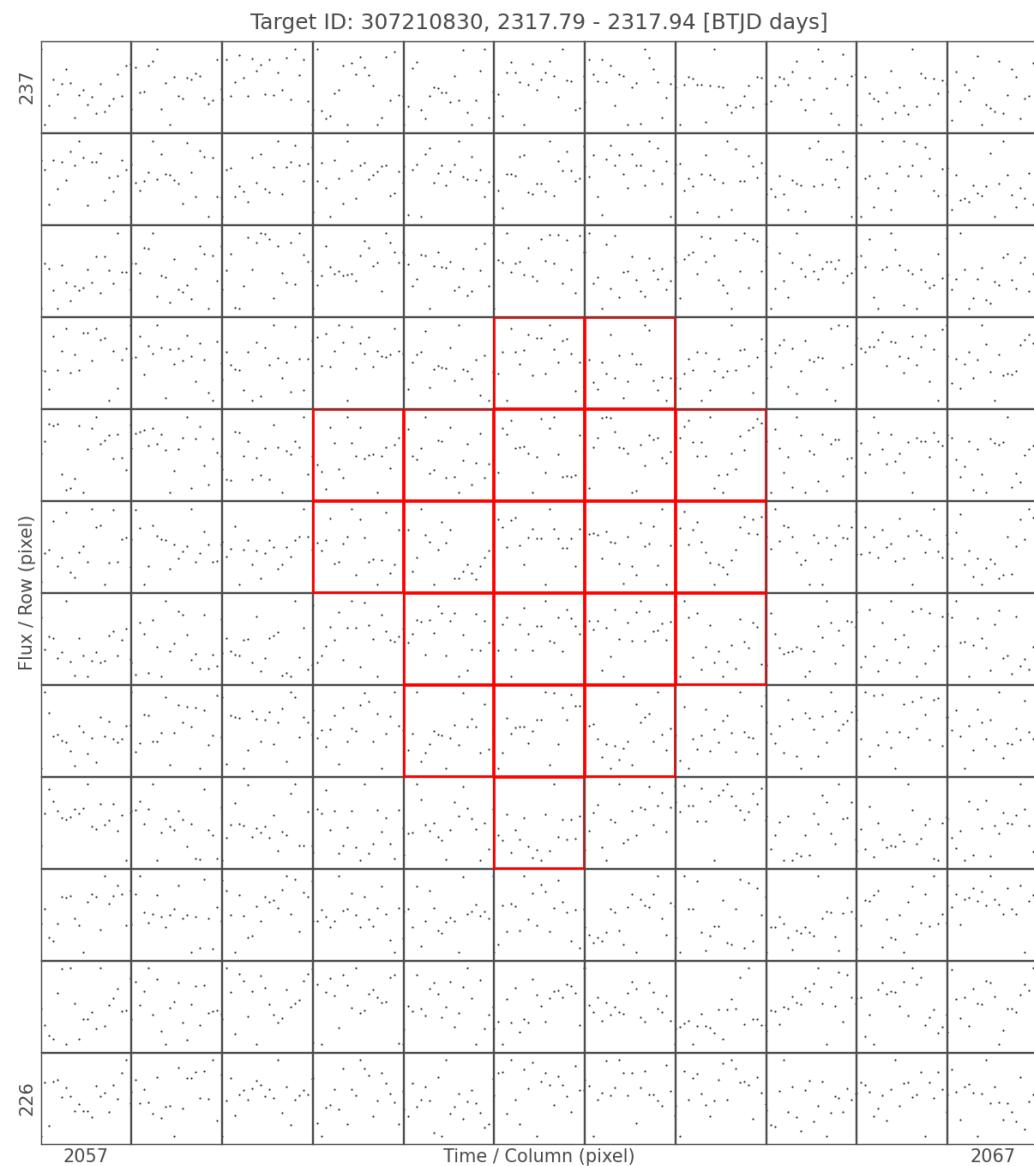
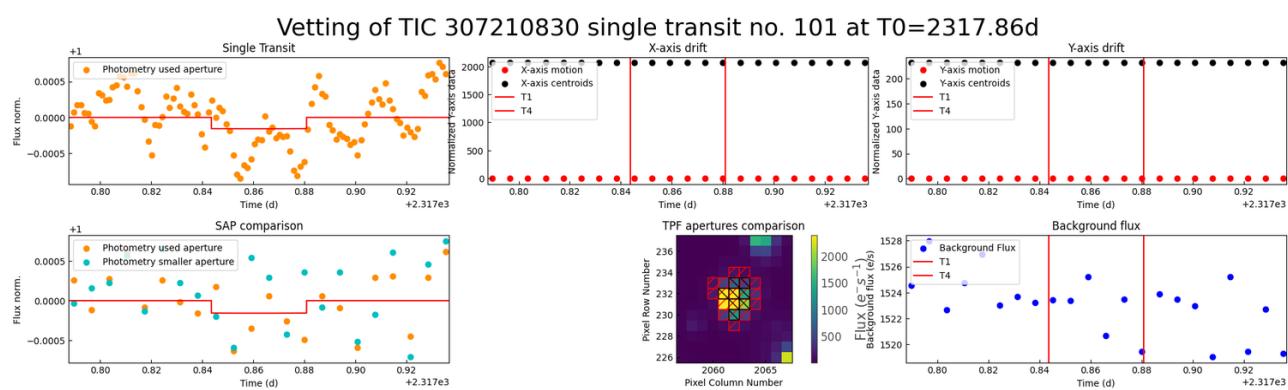
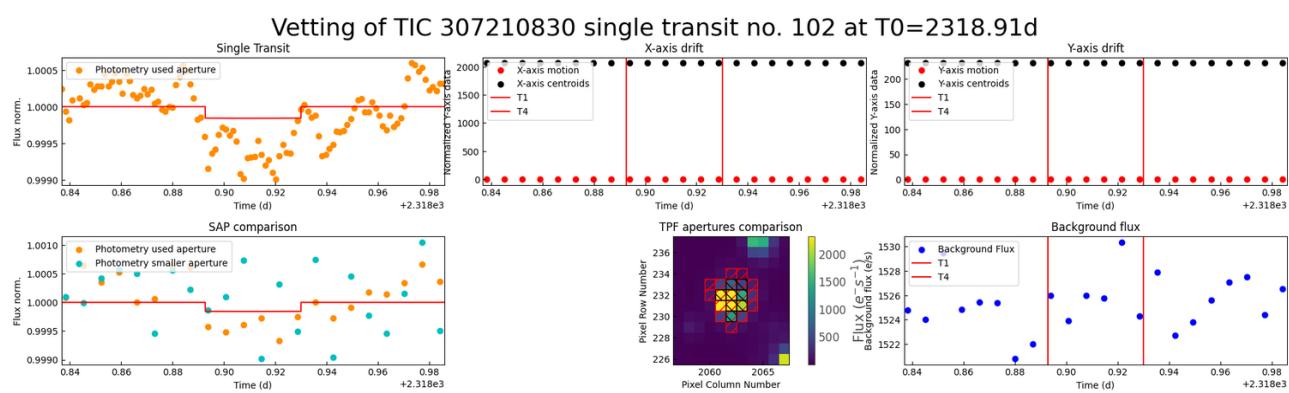


Figure 114: The single transit no. 101 vetting plots



Target ID: 307210830, 2318.84 - 2318.98 [BJD days]

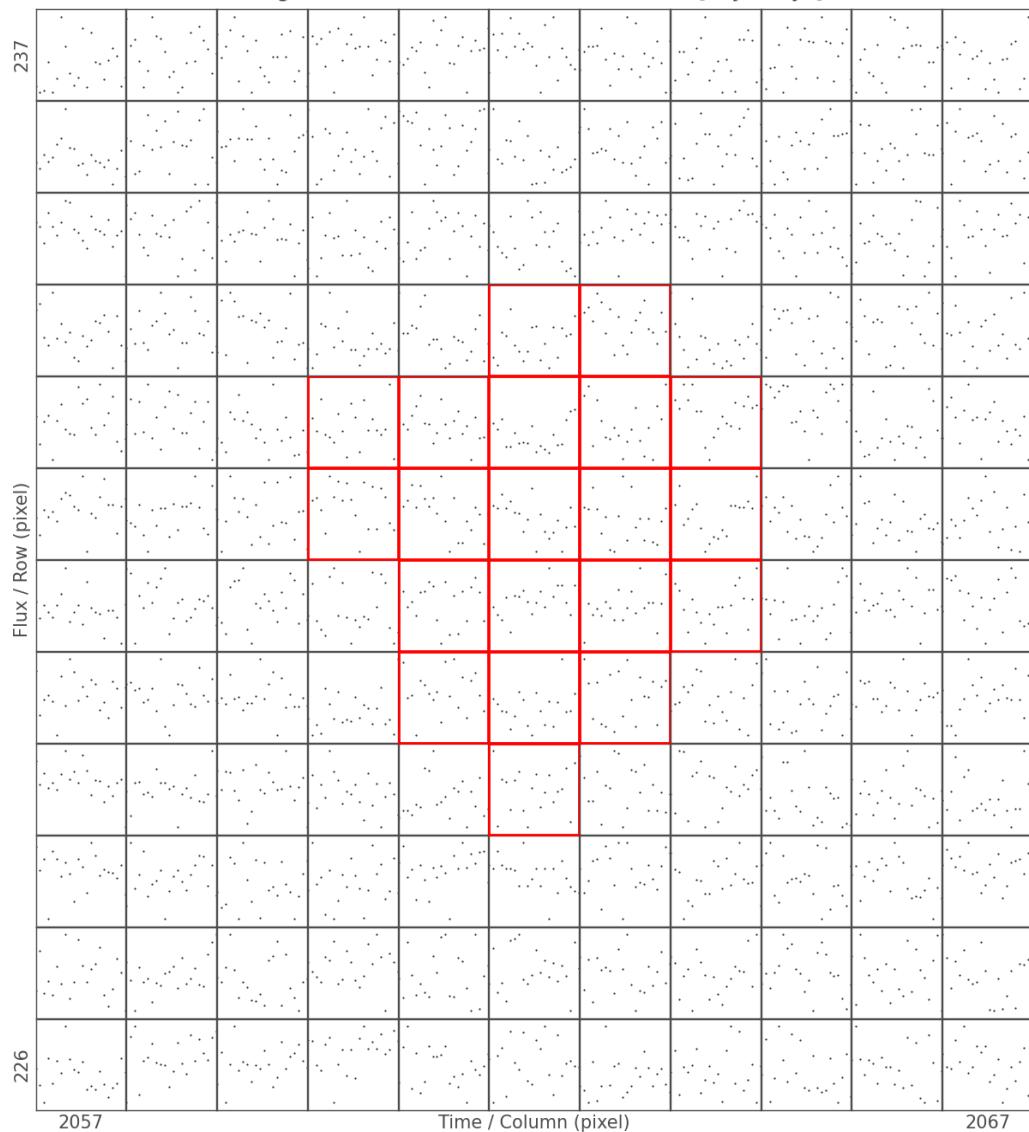


Figure 115: The single transit no. 102 vetting plots

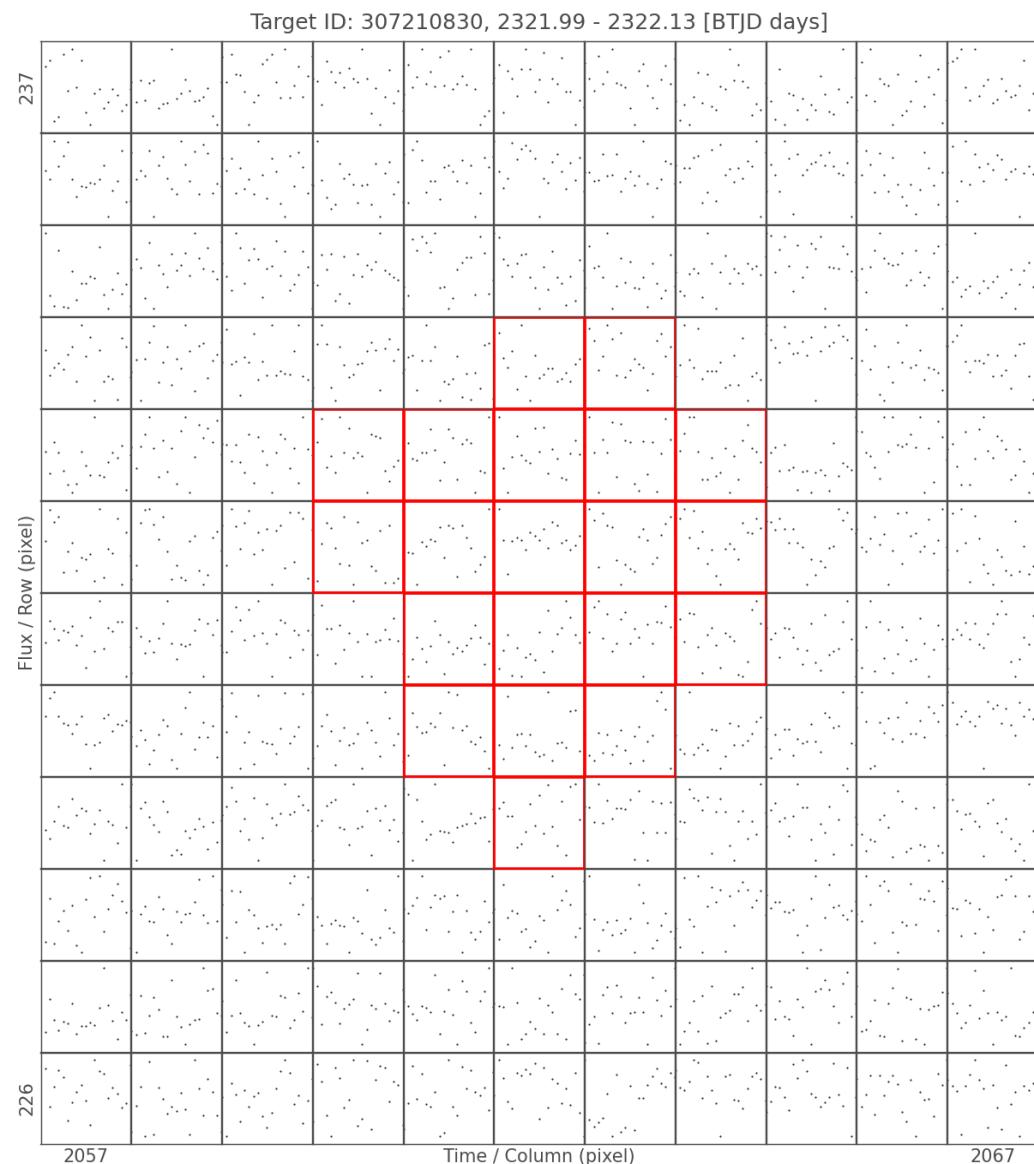
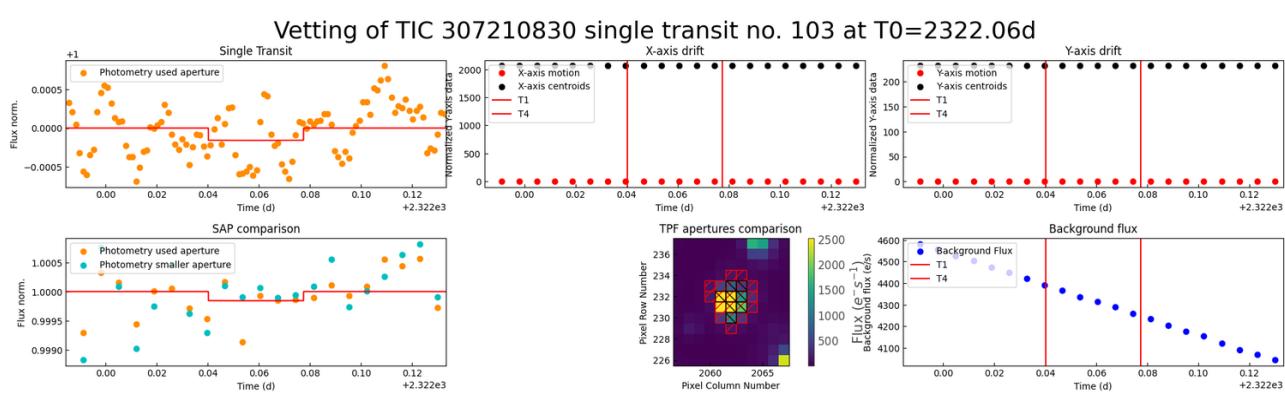
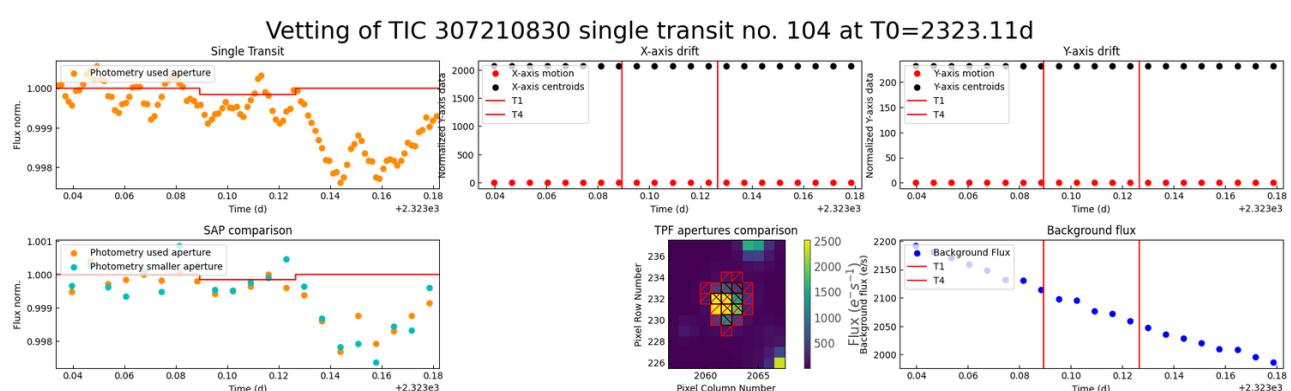


Figure 116: The single transit no. 103 vetting plots



Target ID: 307210830, 2323.04 - 2323.18 [BJD days]

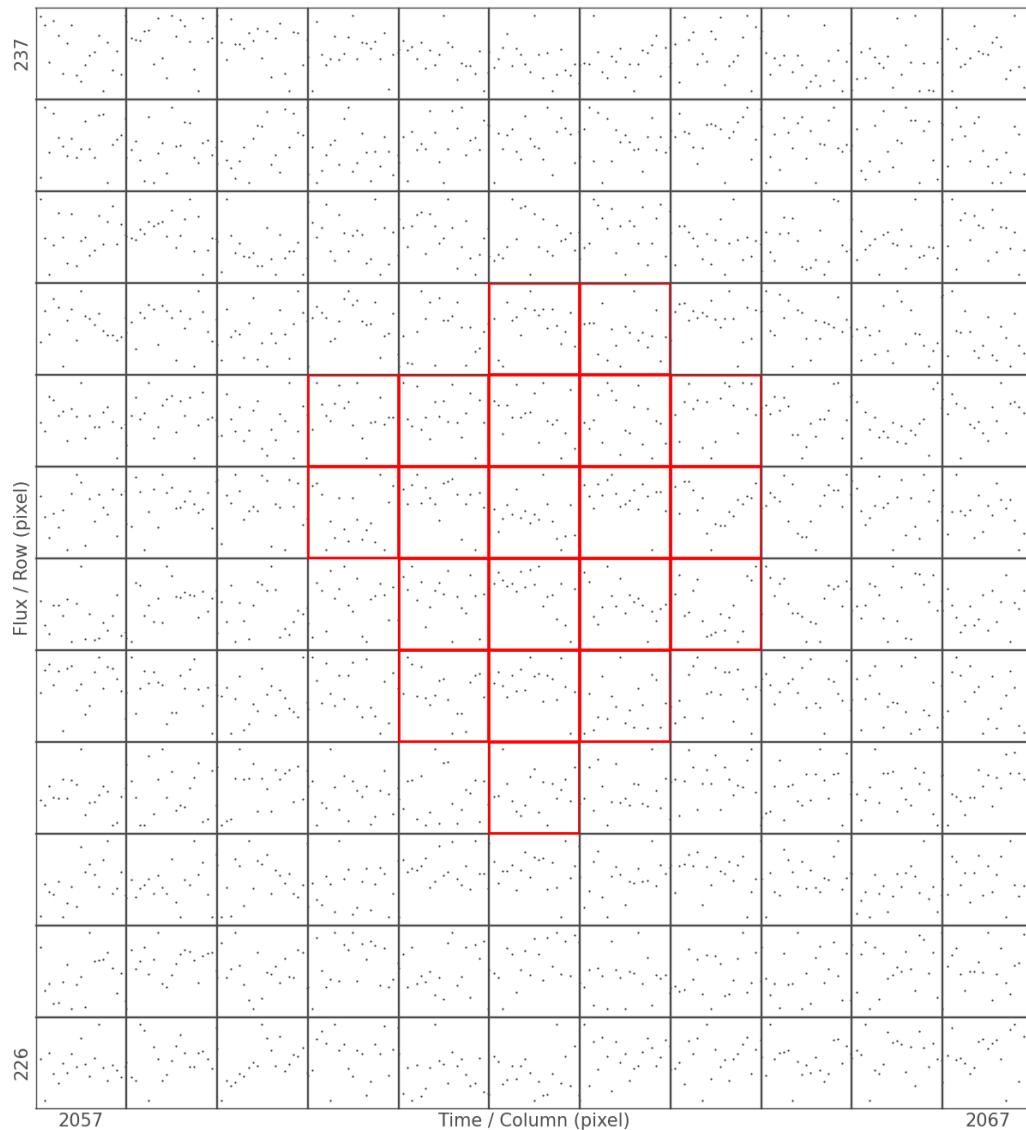


Figure 117: The single transit no. 104 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:45

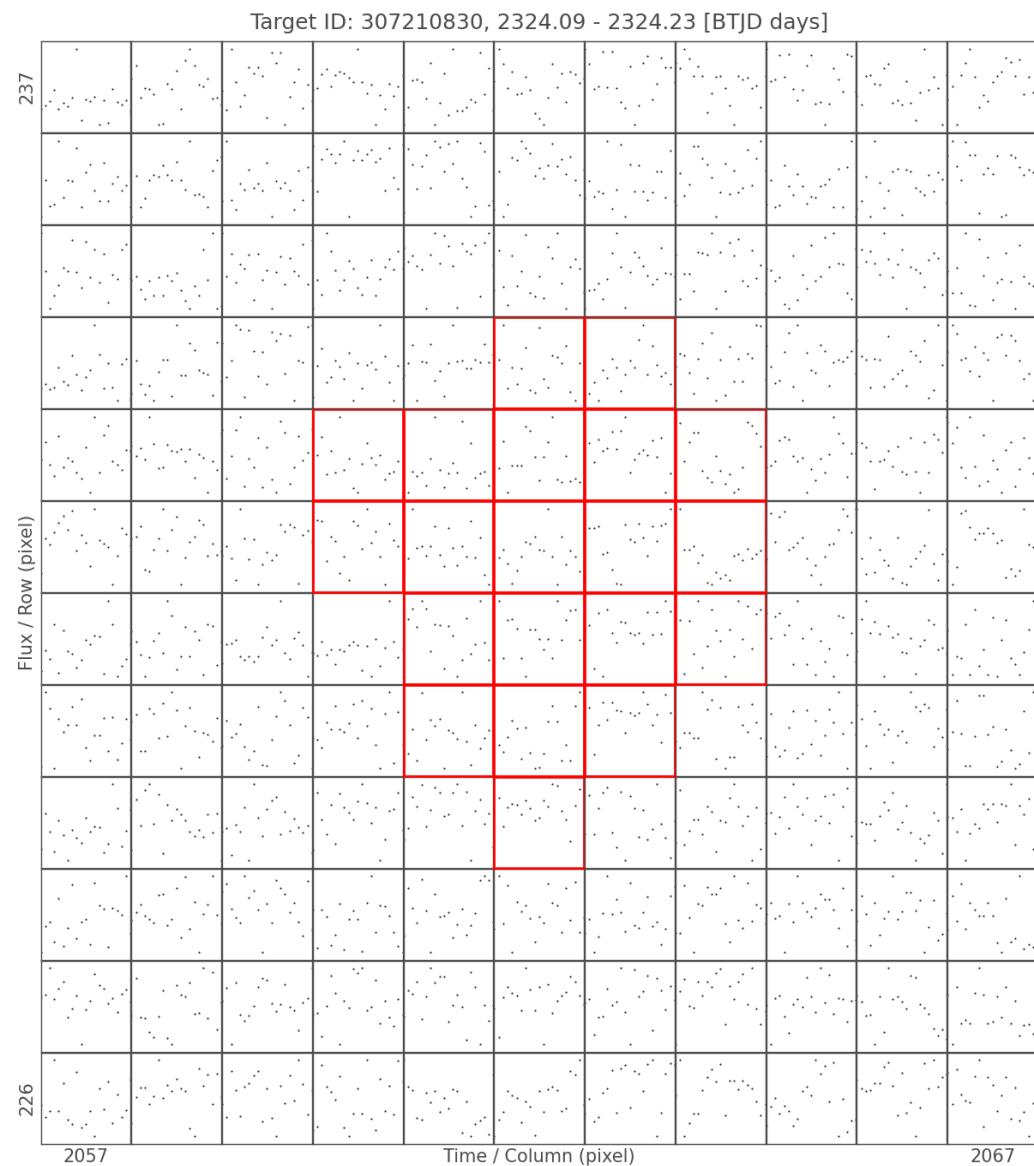
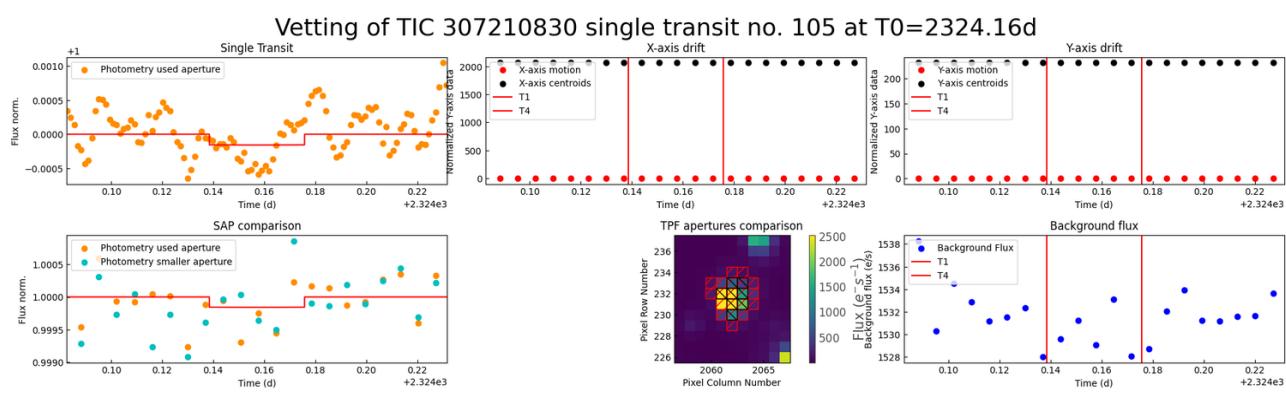


Figure 118: The single transit no. 105 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:45

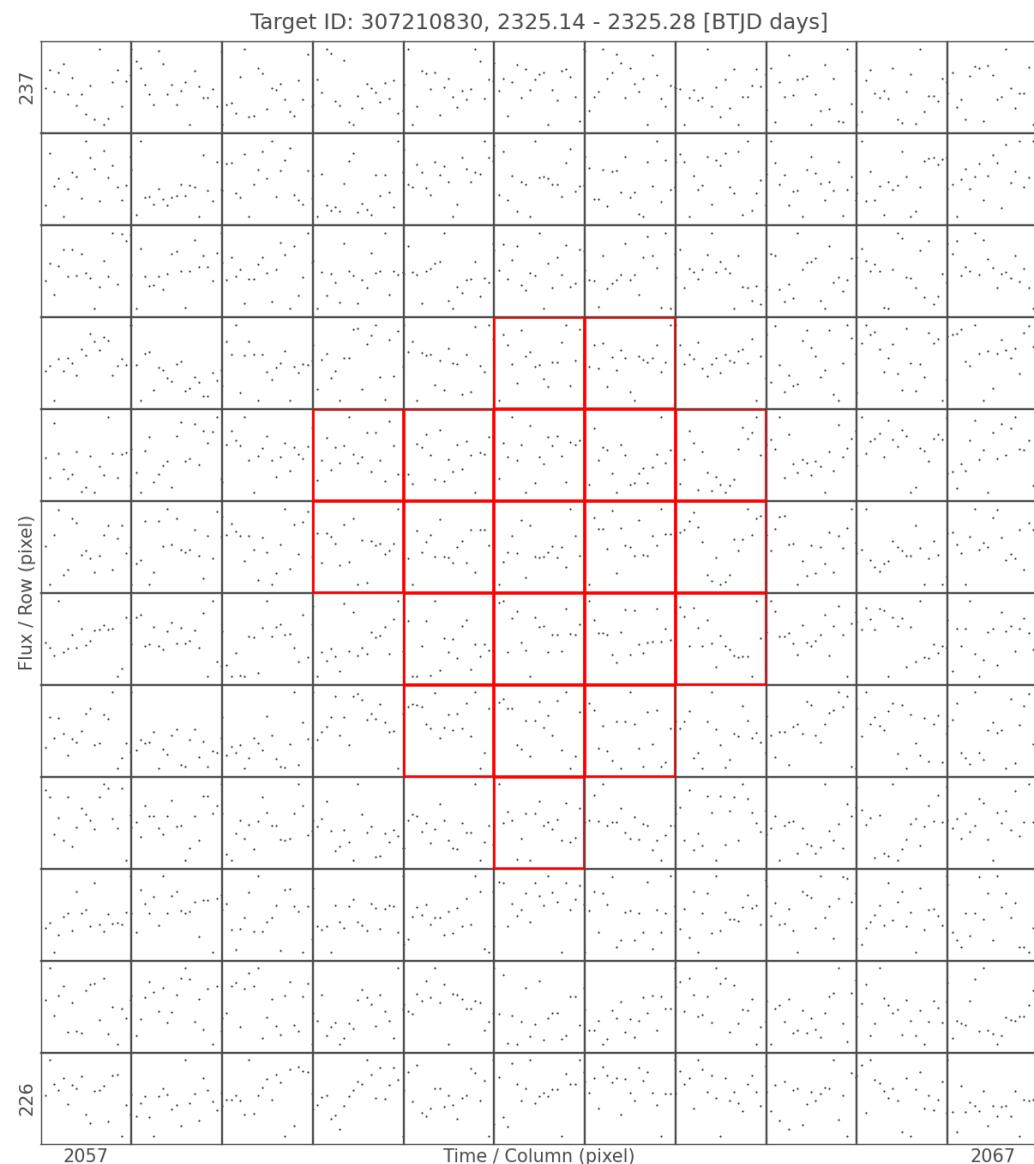
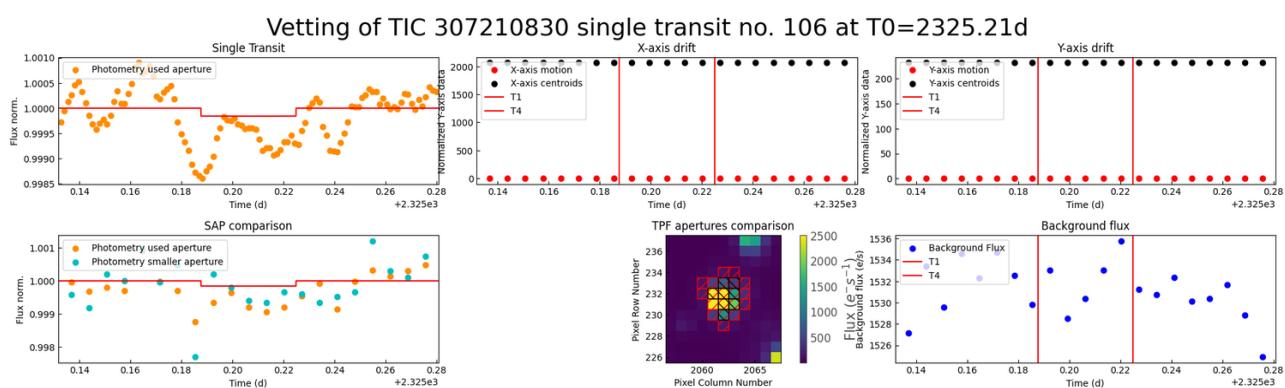


Figure 119: The single transit no. 106 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:45

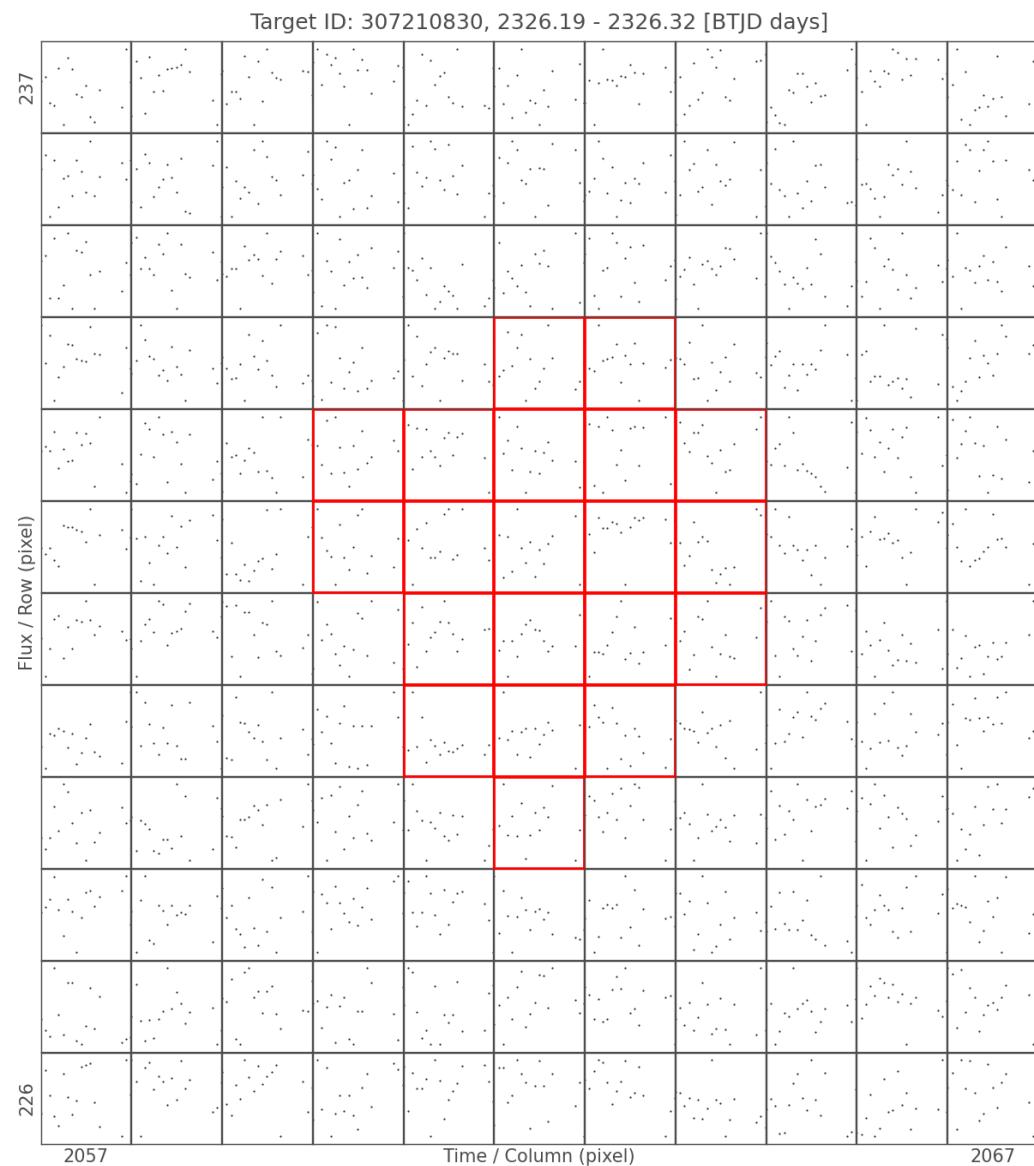
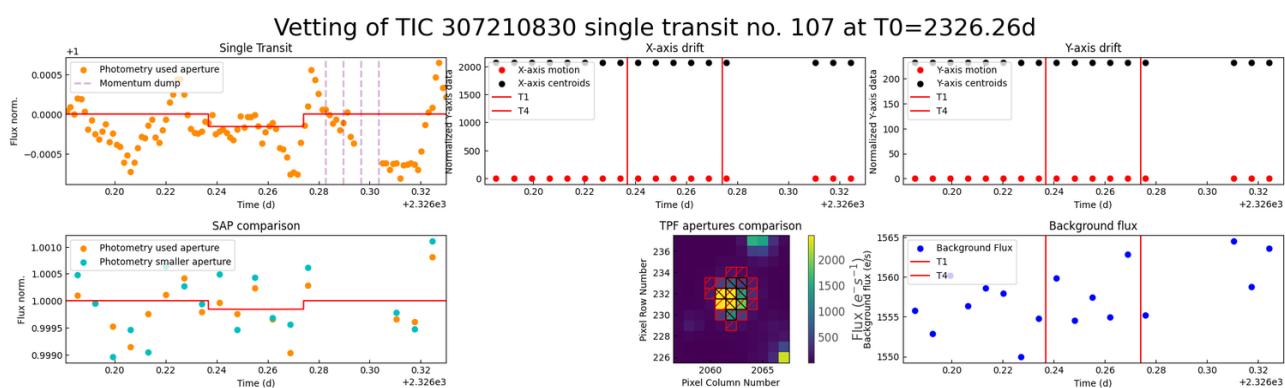


Figure 120: The single transit no. 107 vetting plots

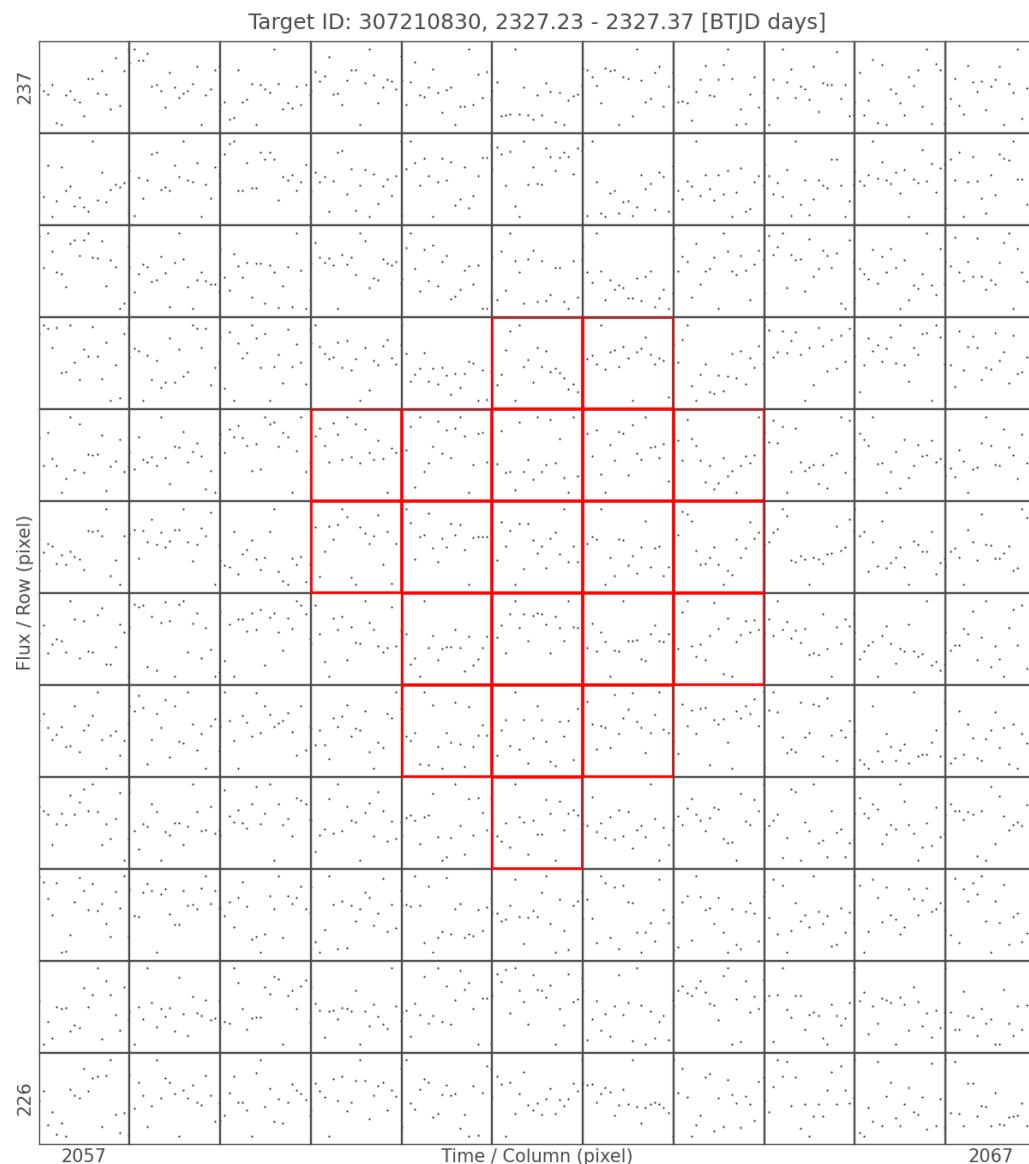
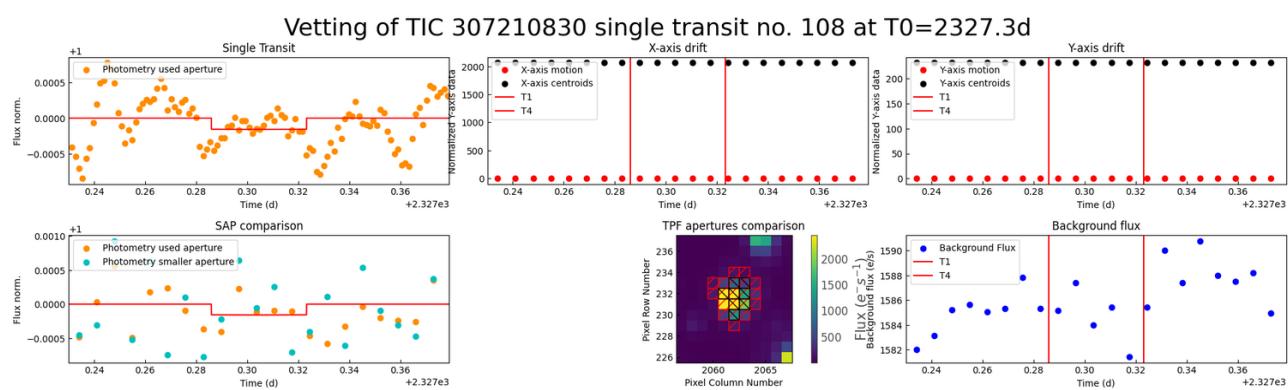


Figure 121: The single transit no. 108 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:46

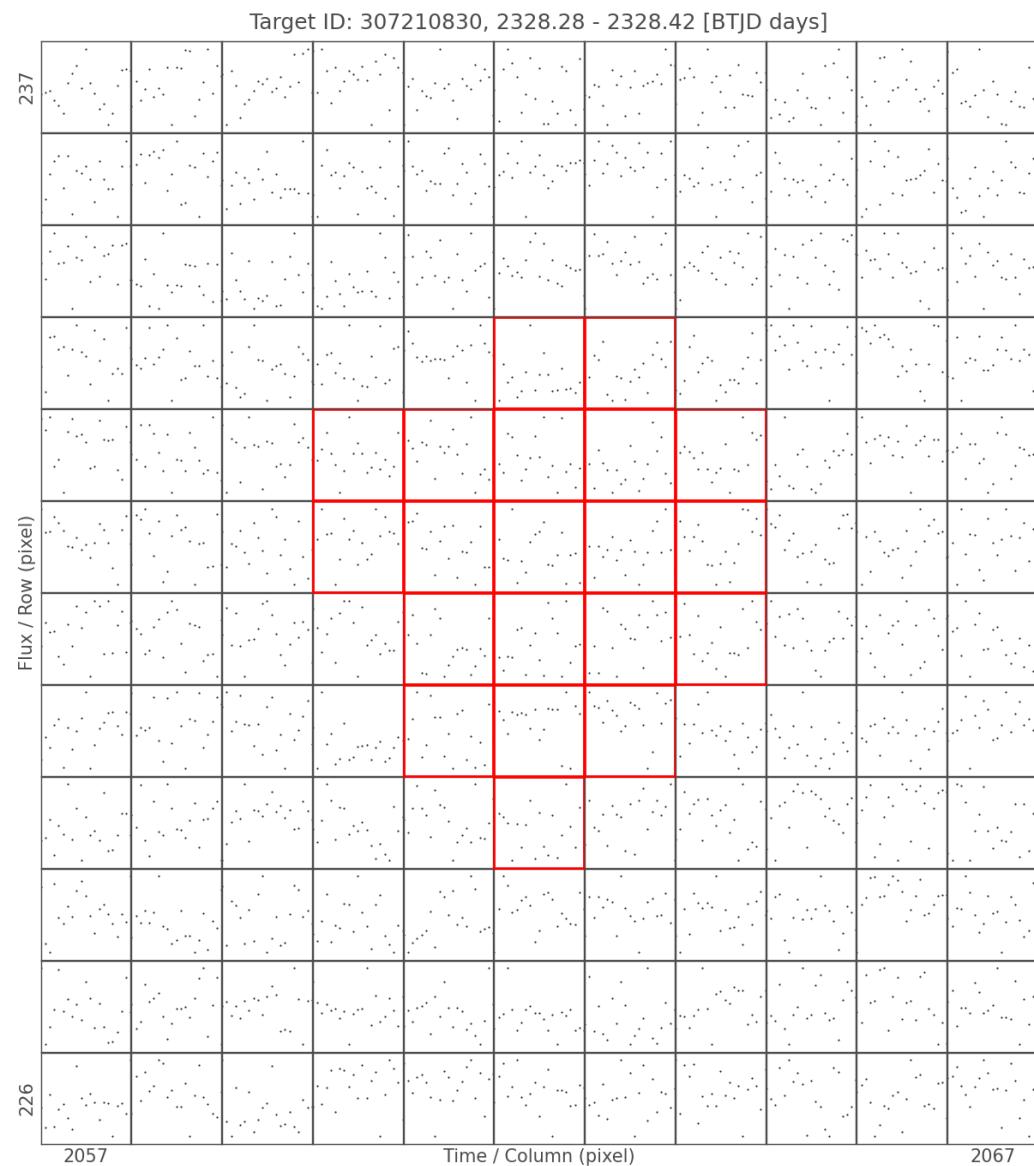
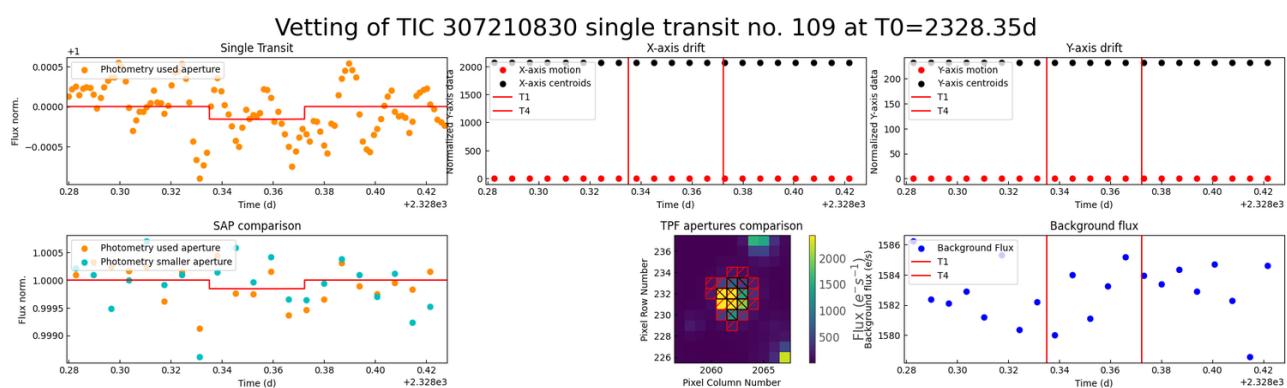


Figure 122: The single transit no. 109 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:46

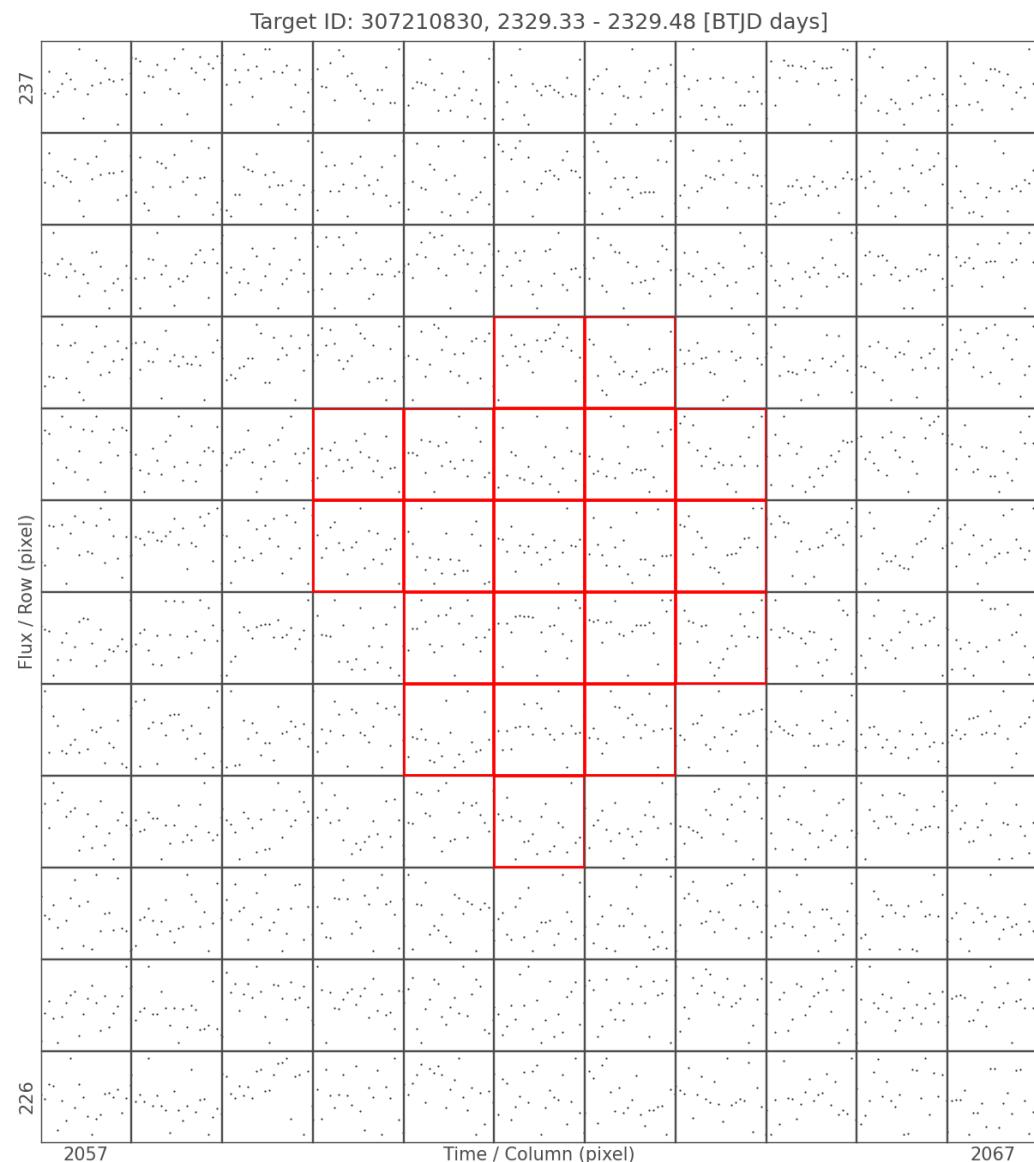
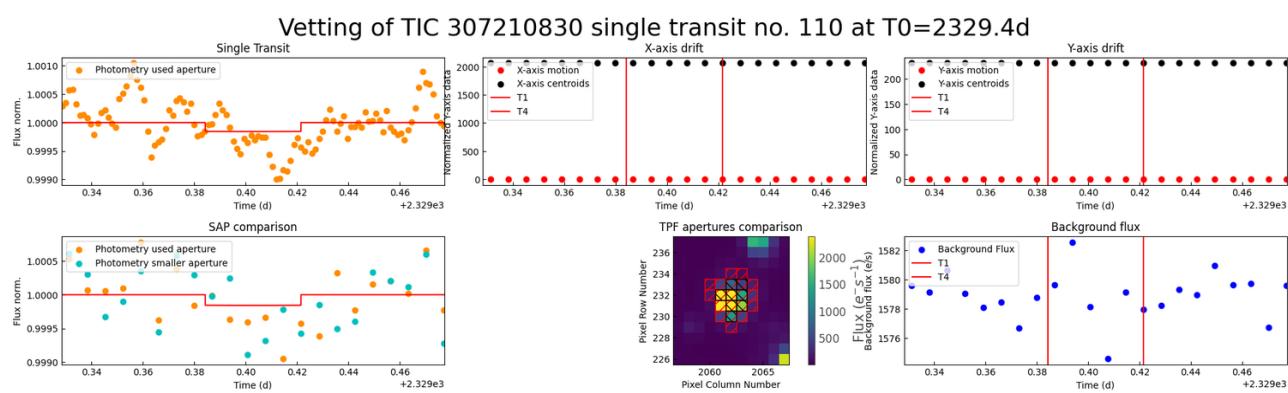


Figure 123: The single transit no. 110 vetting plots

WATSON Transits Validation Report: TIC 307210830

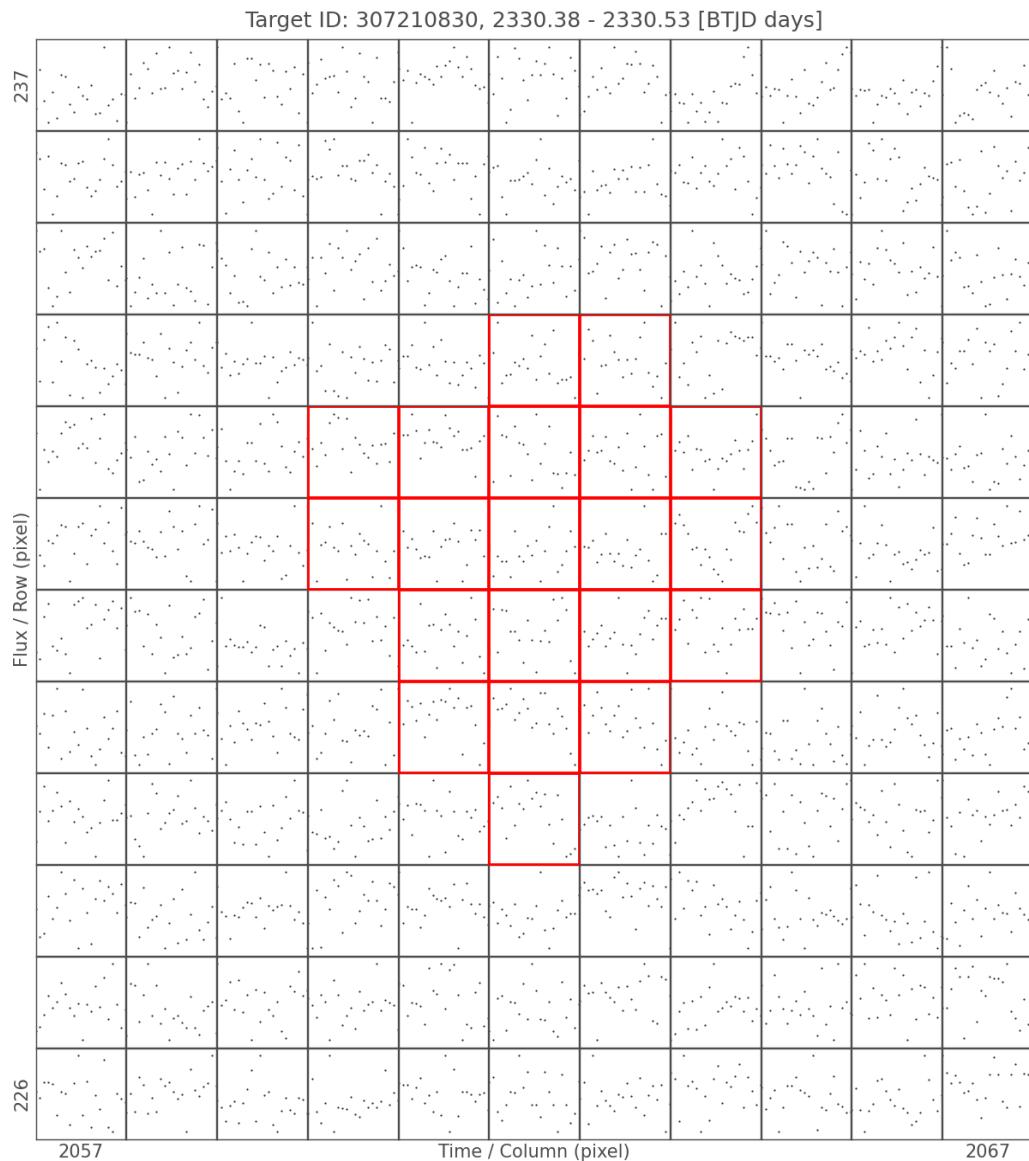
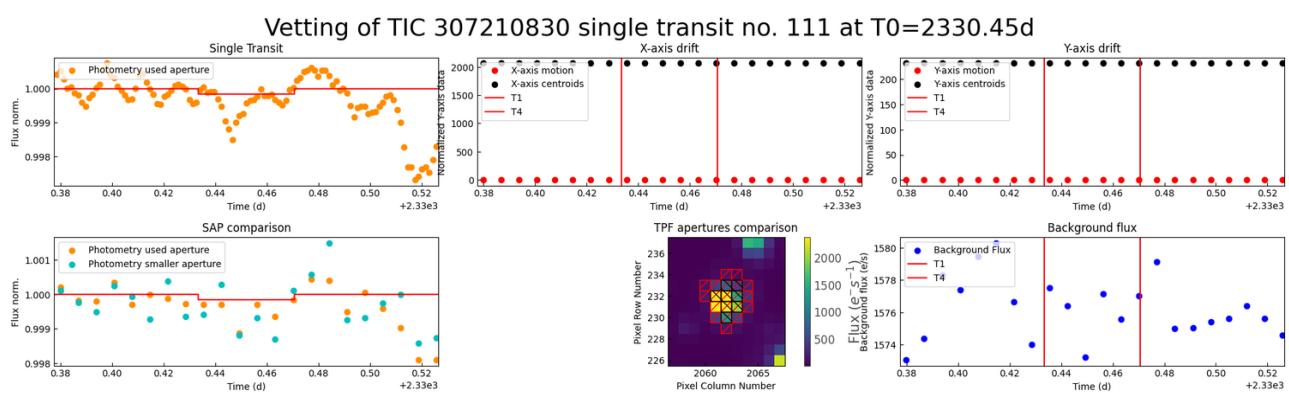


Figure 124: The single transit no. 111 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:46

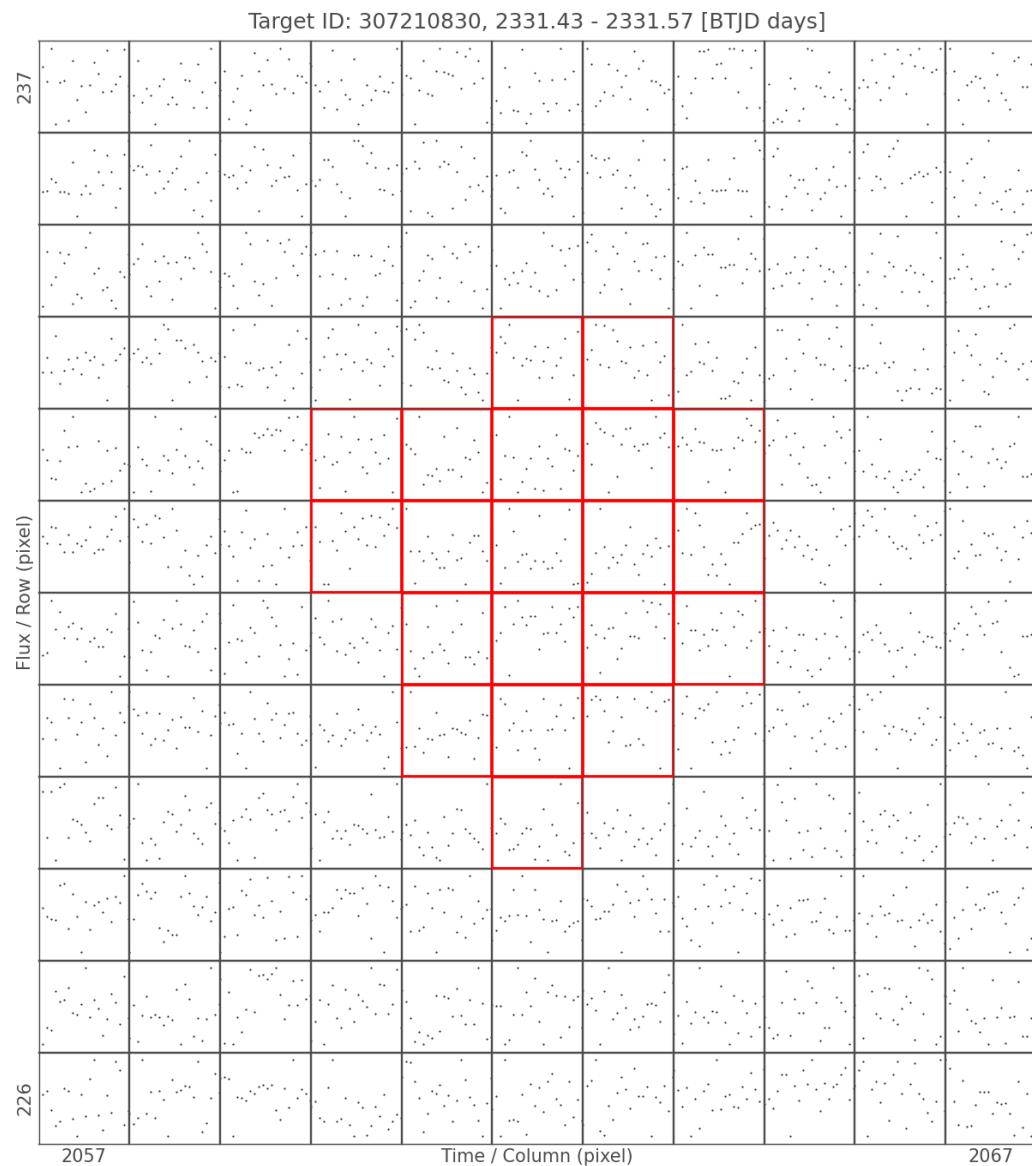
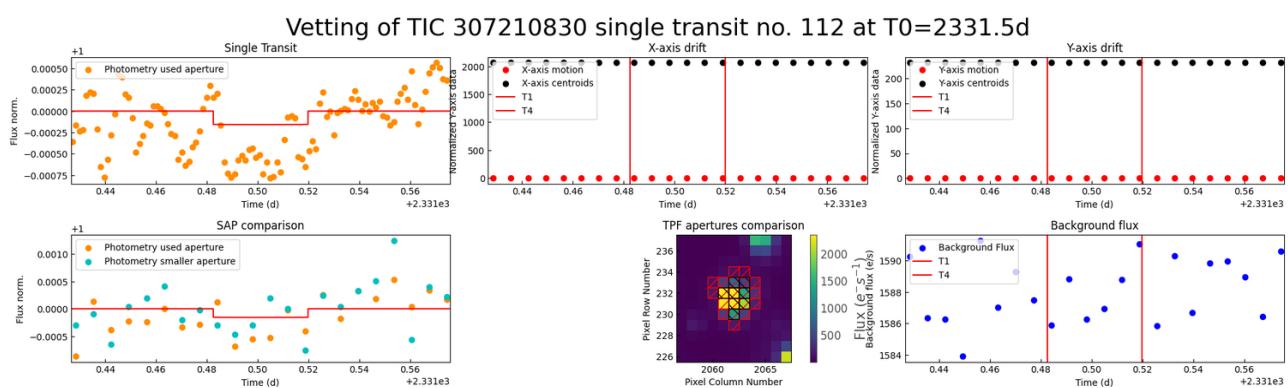


Figure 125: The single transit no. 112 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:47

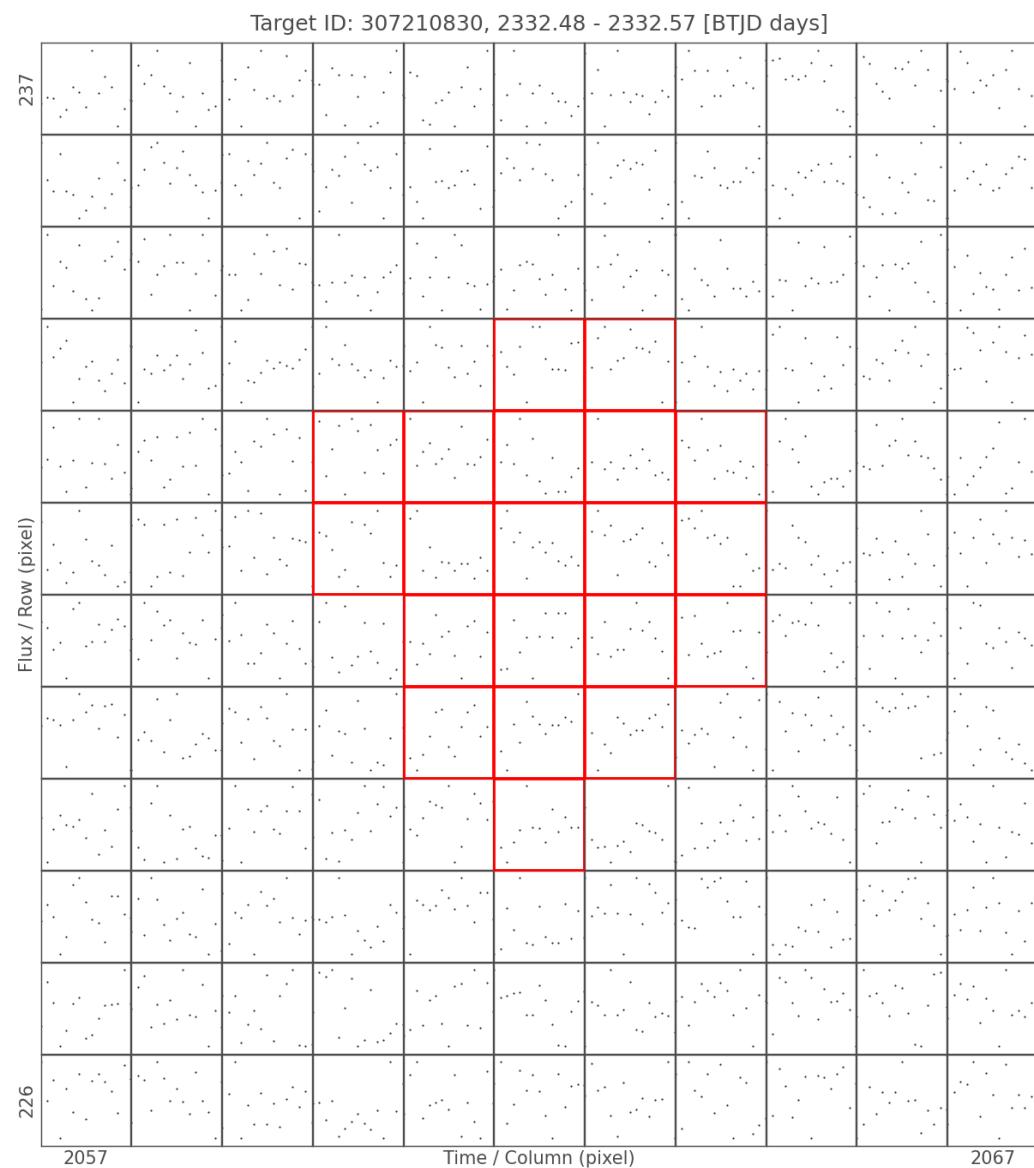
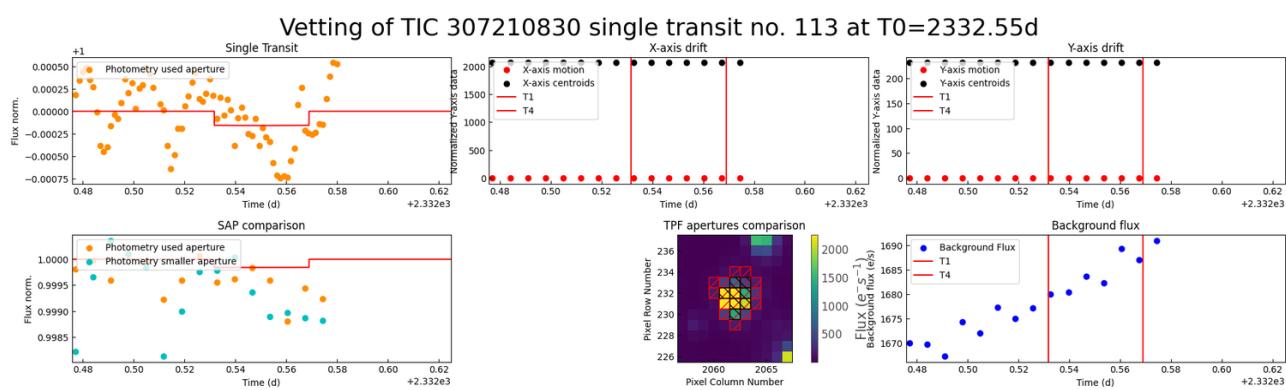


Figure 126: The single transit no. 113 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:47

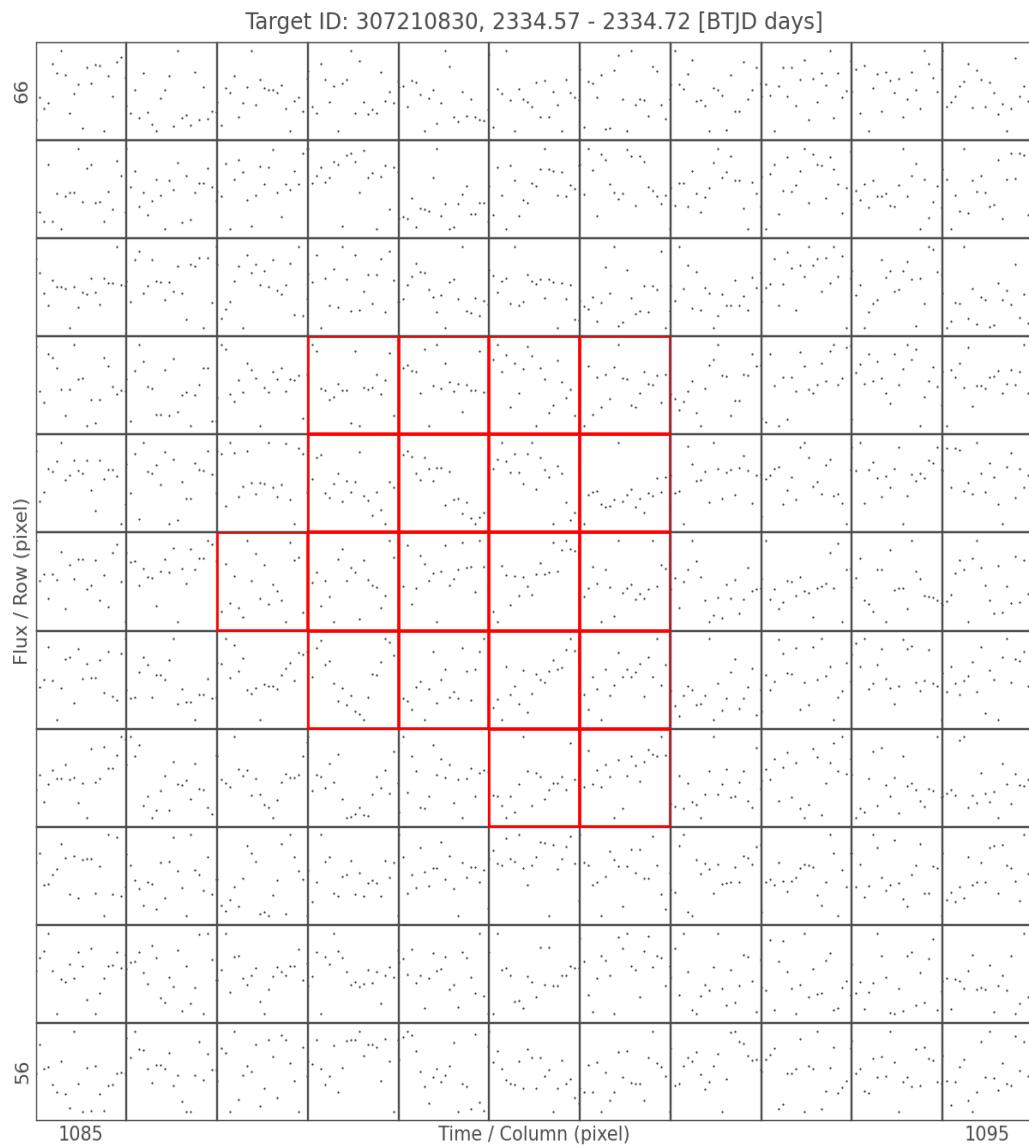
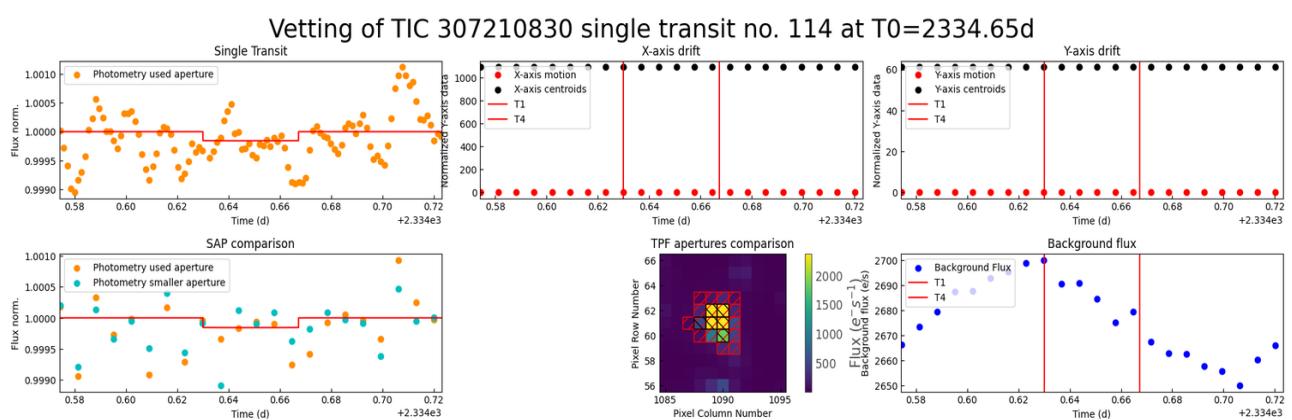


Figure 127: The single transit no. 114 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:47

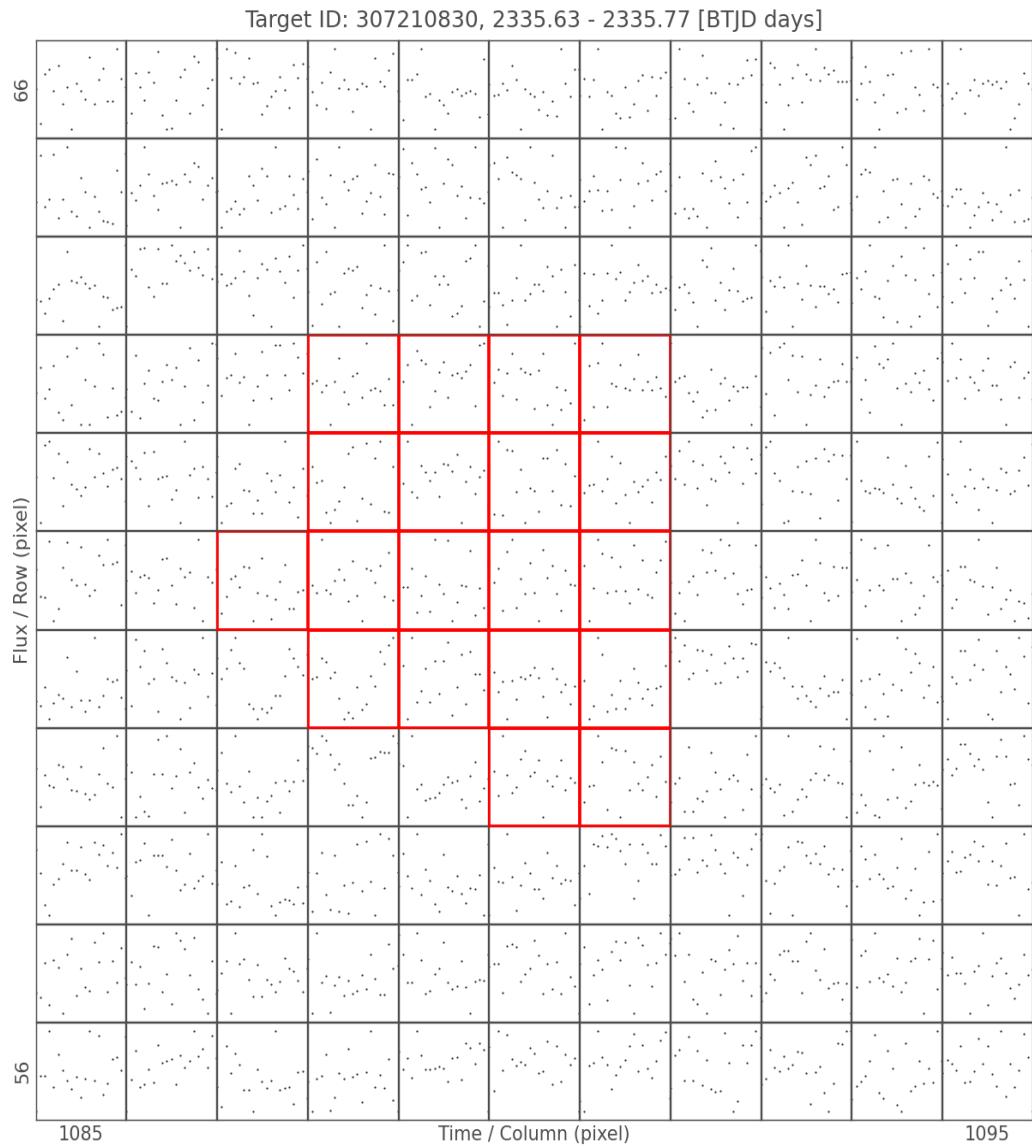
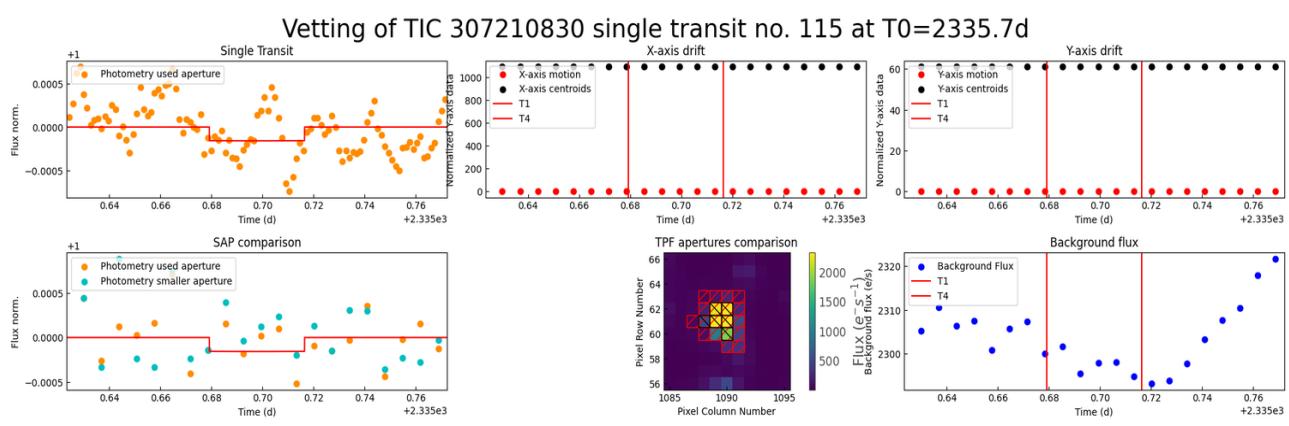


Figure 128: The single transit no. 115 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:47

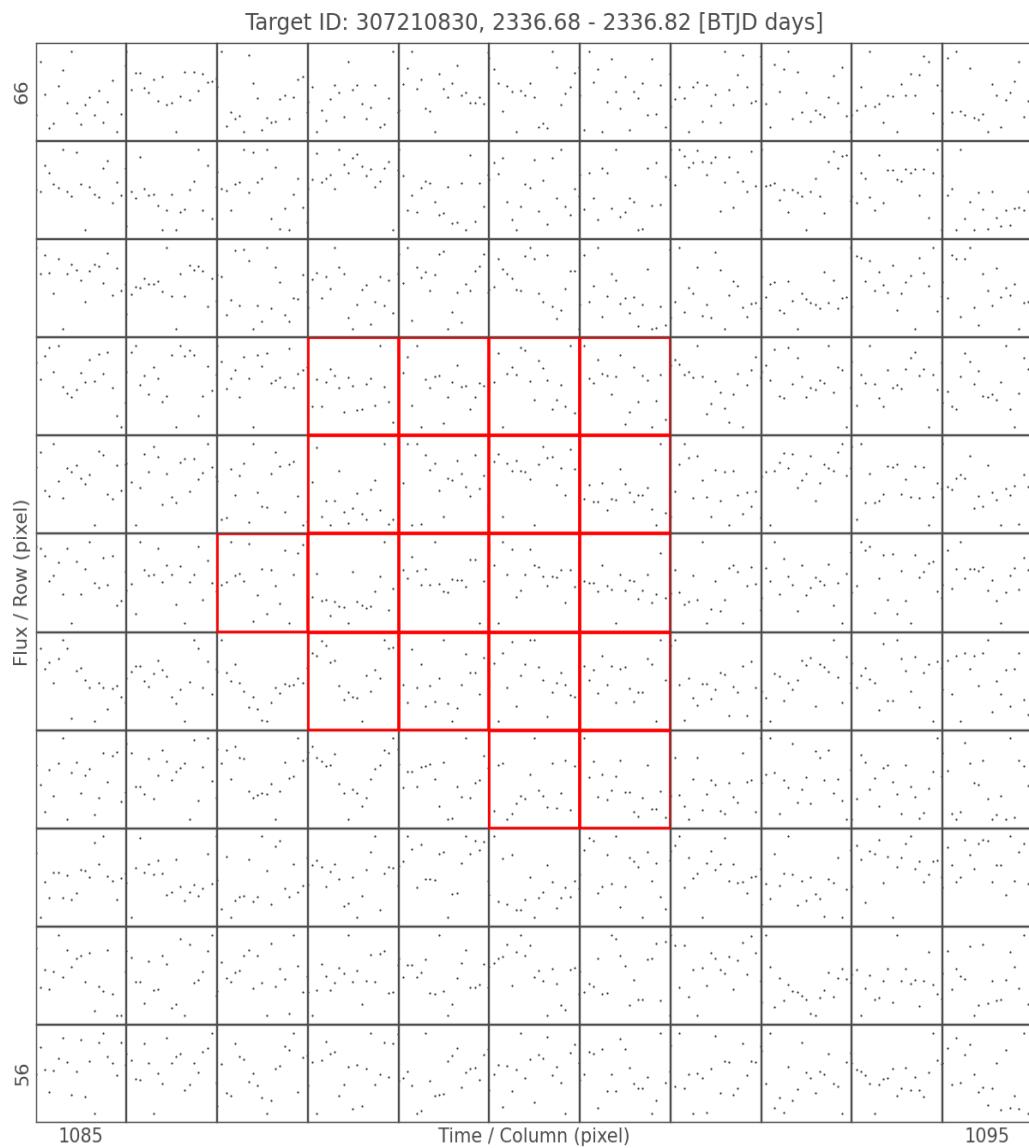
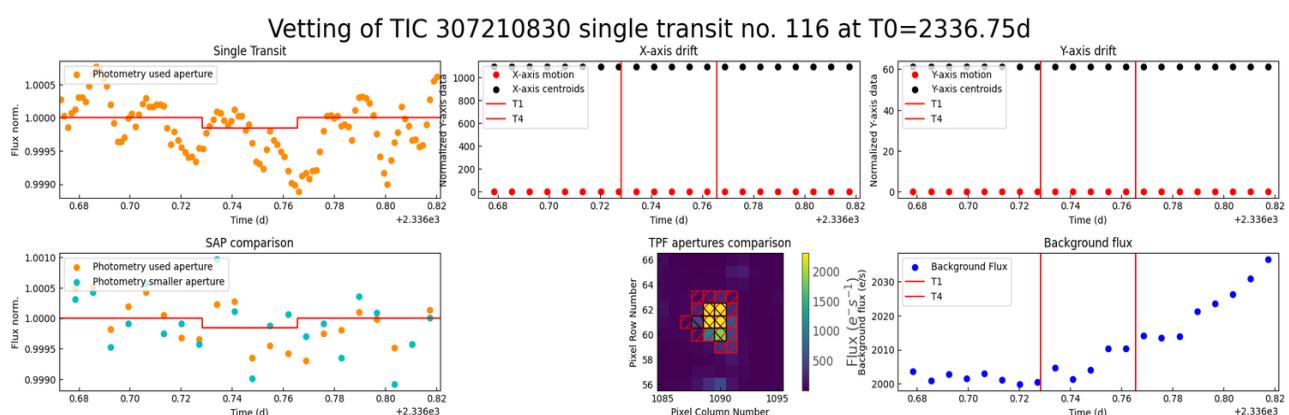


Figure 129: The single transit no. 116 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:48

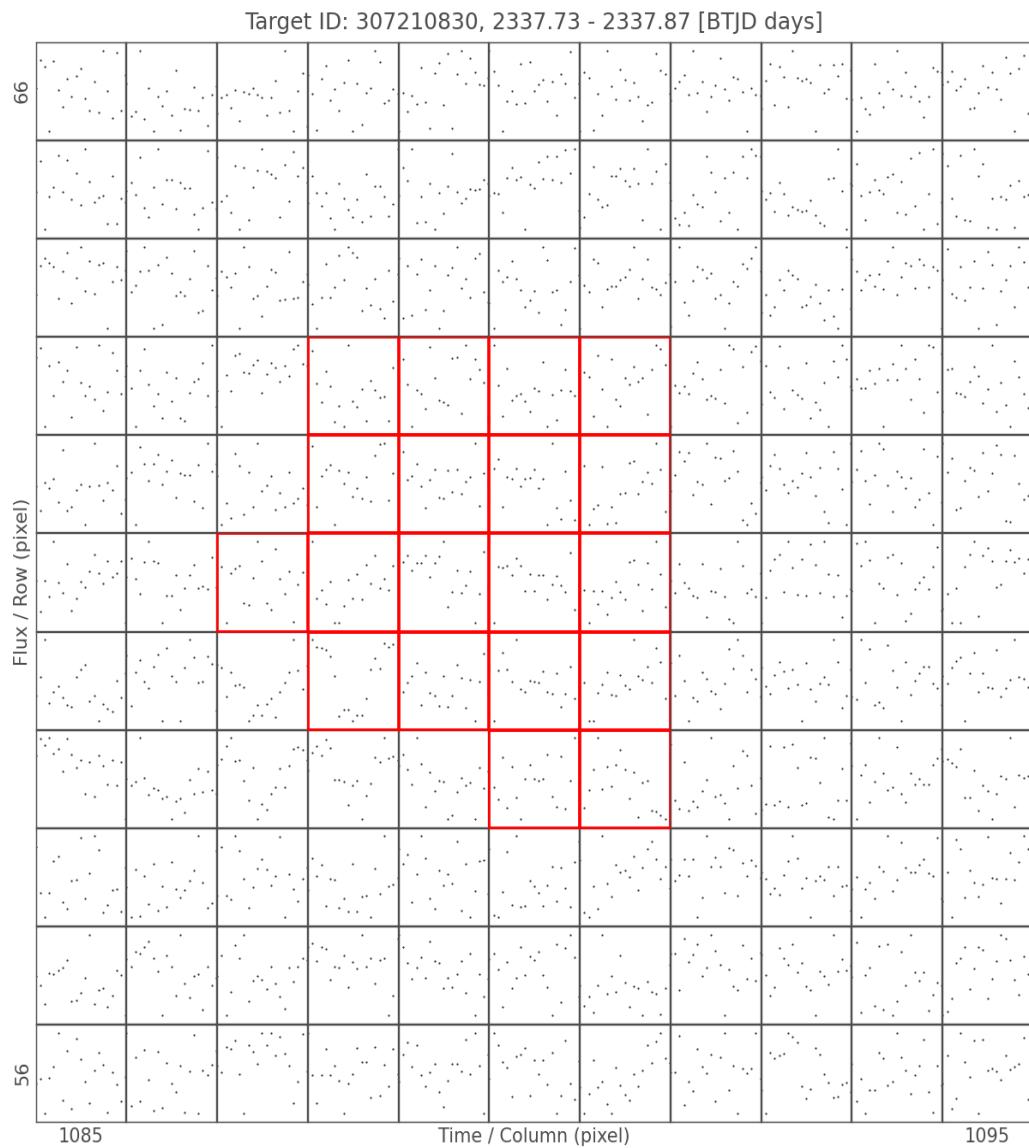
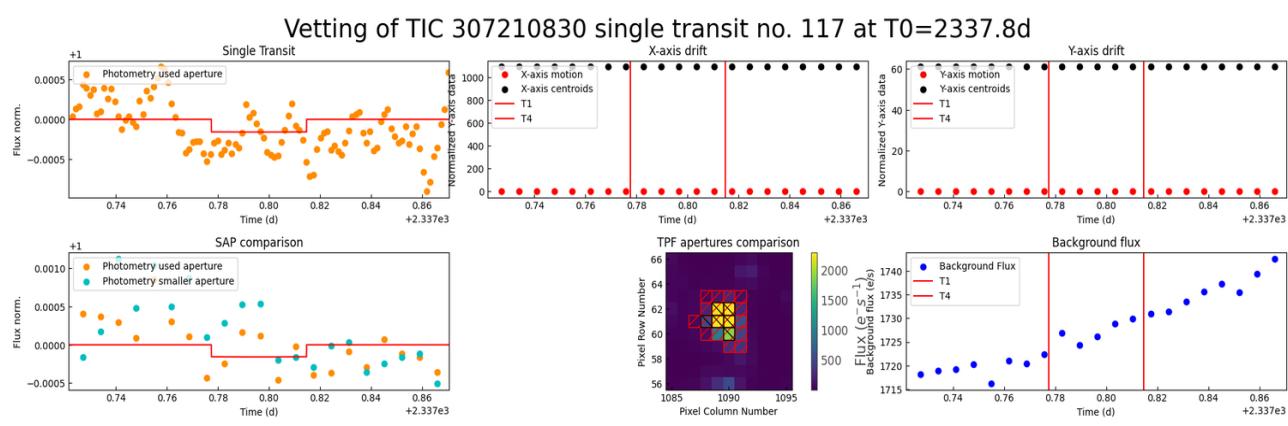


Figure 130: The single transit no. 117 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:48

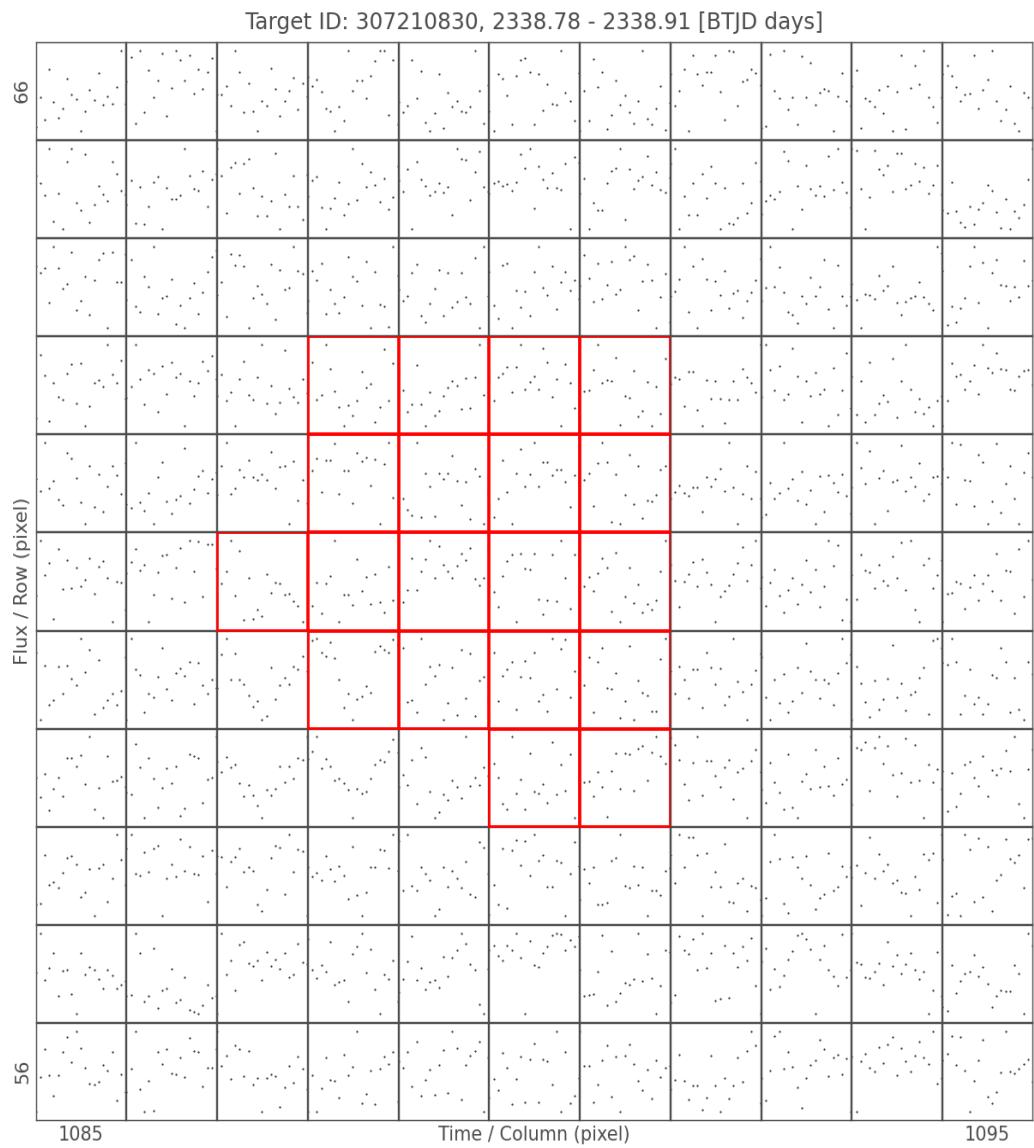
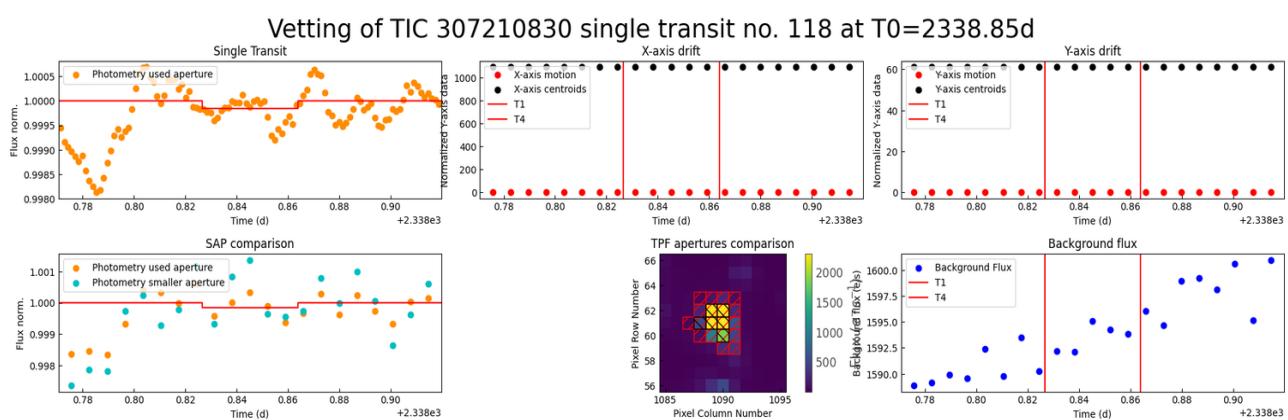


Figure 131: The single transit no. 118 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:48

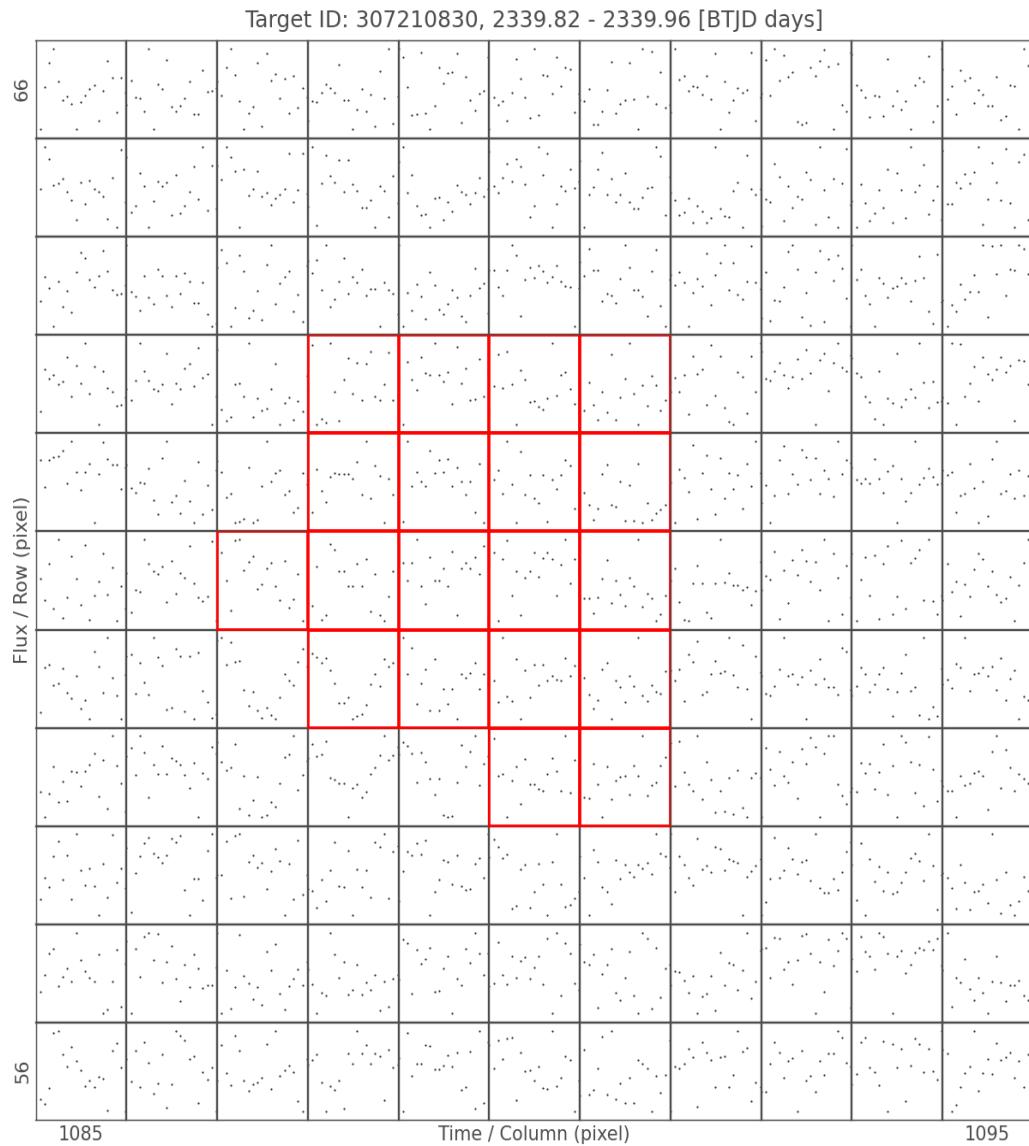
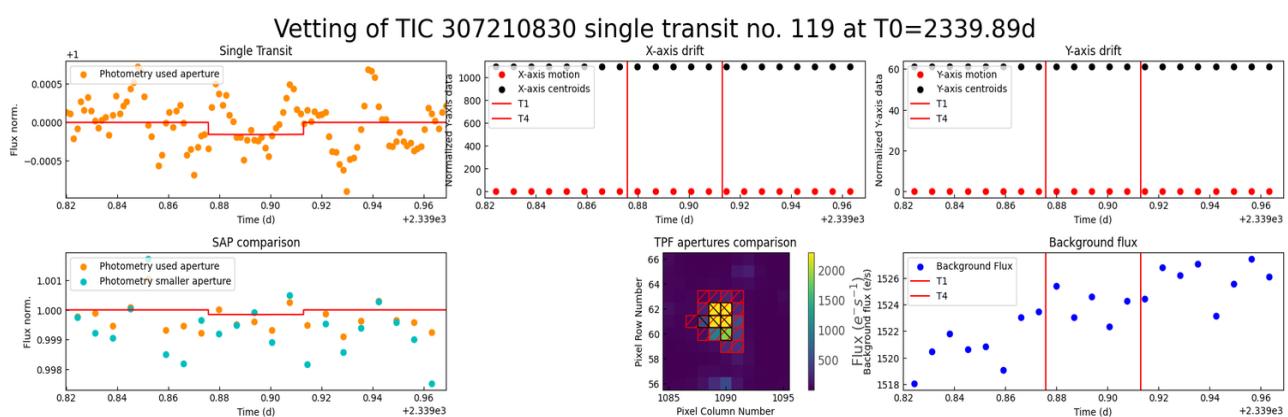


Figure 132: The single transit no. 119 vetting plots

WATSON Transits Validation Report: TIC 307210830

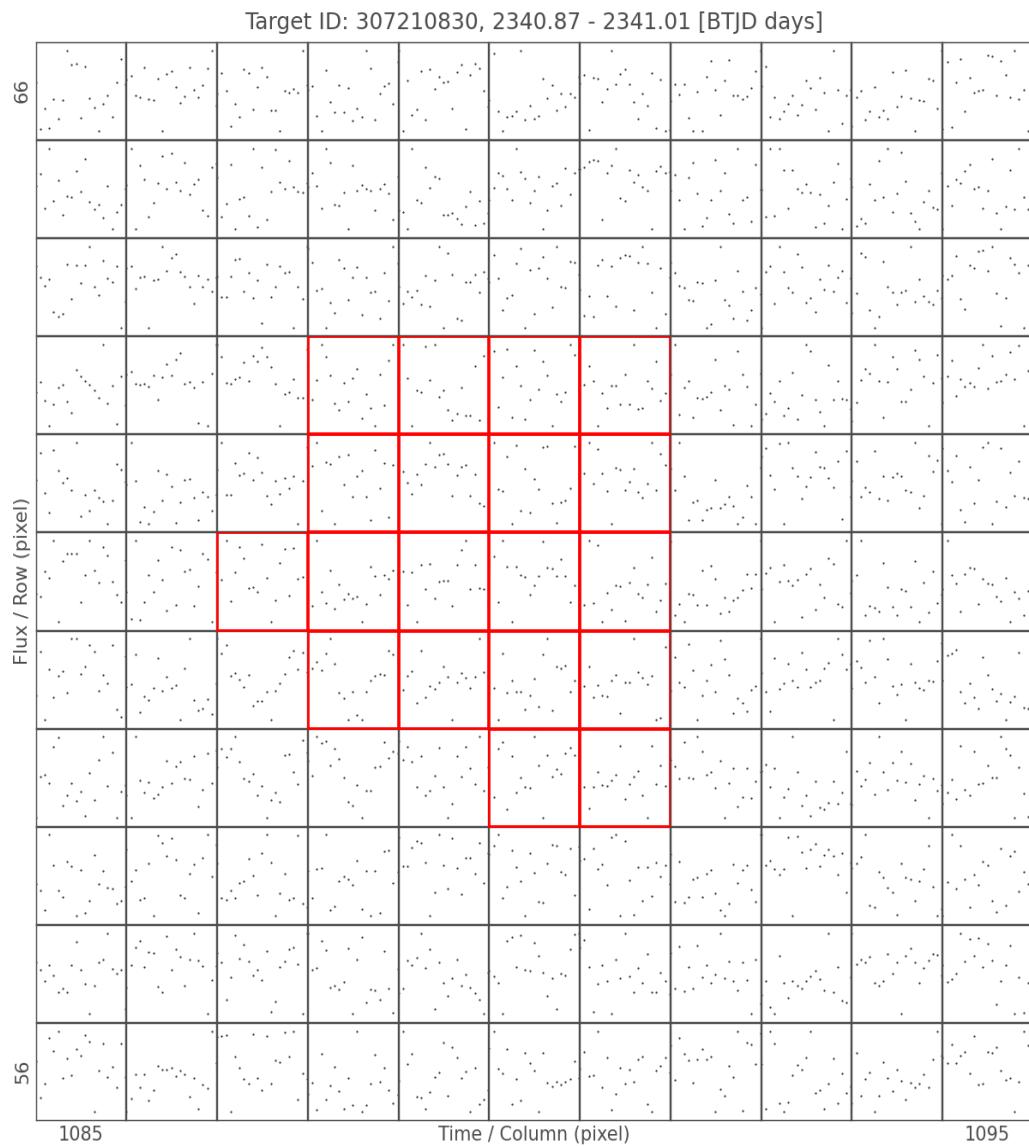
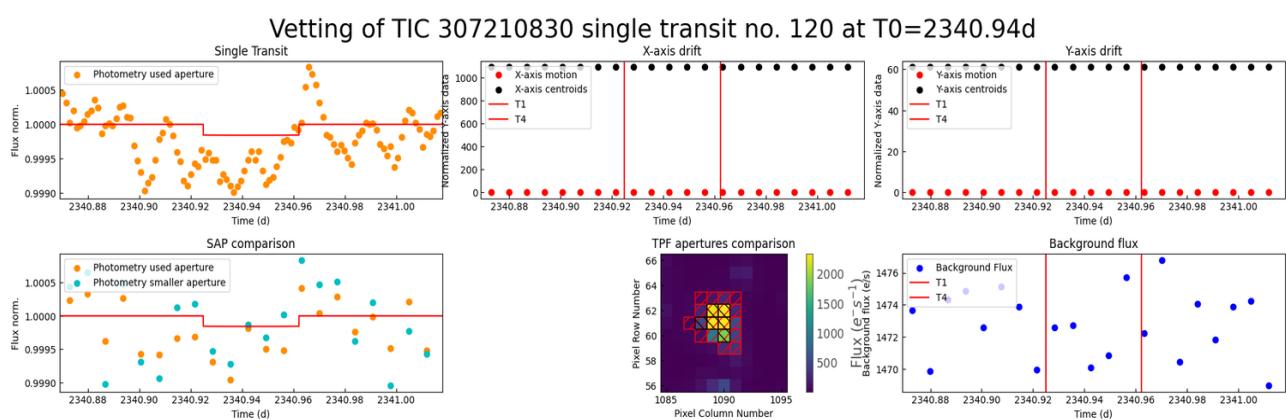


Figure 133: The single transit no. 120 vetting plots

WATSON Transits Validation Report: TIC 307210830

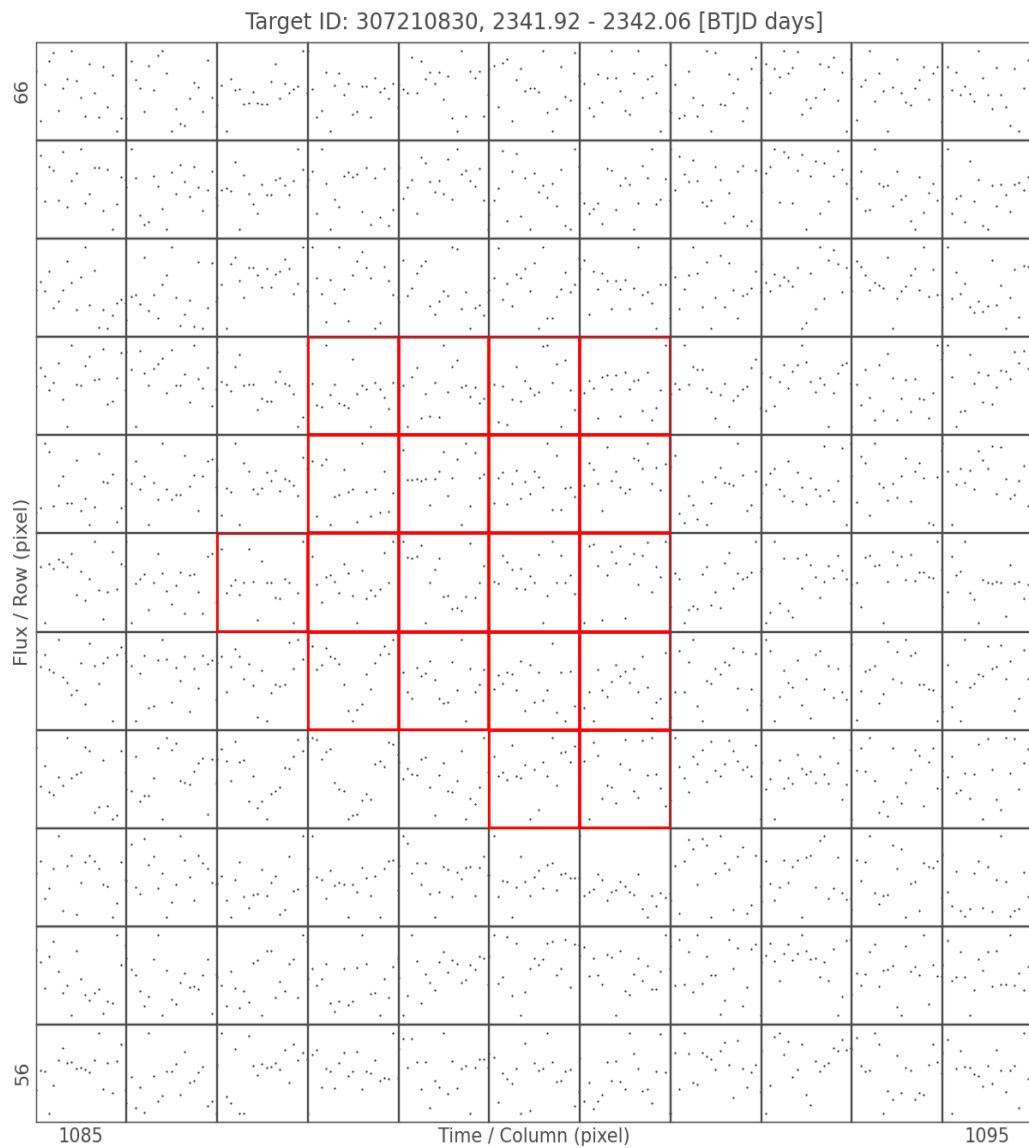
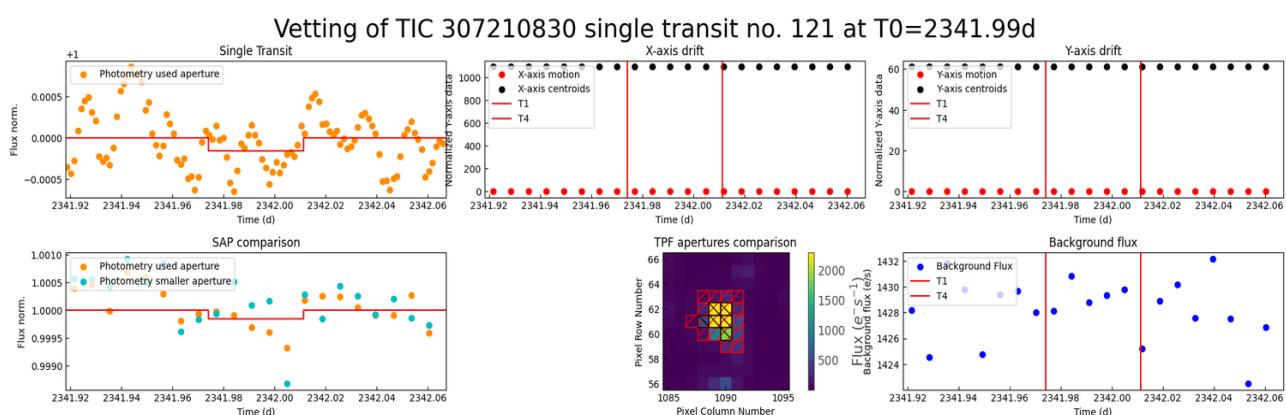


Figure 134: The single transit no. 121 vetting plots

WATSON Transits Validation Report: TIC 307210830

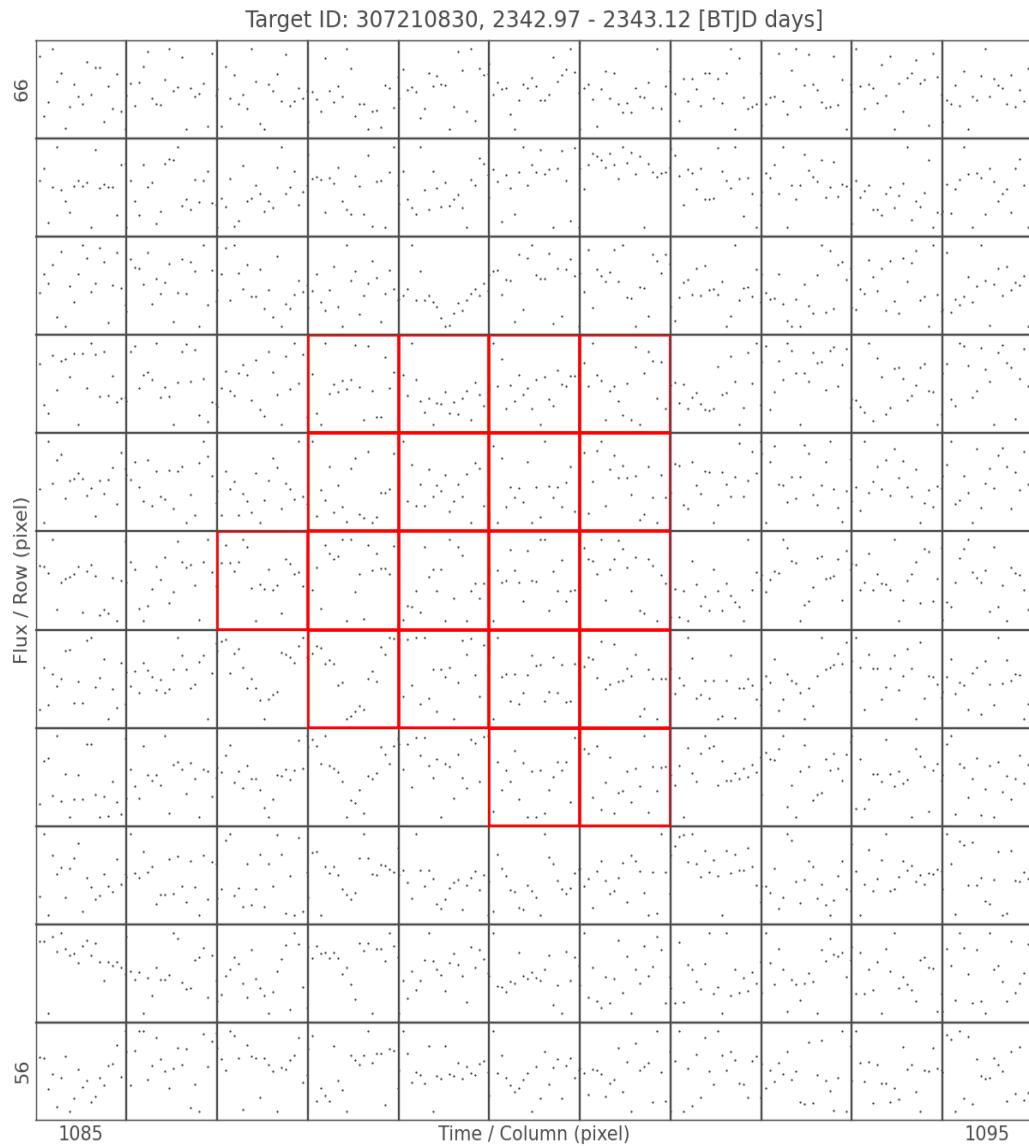
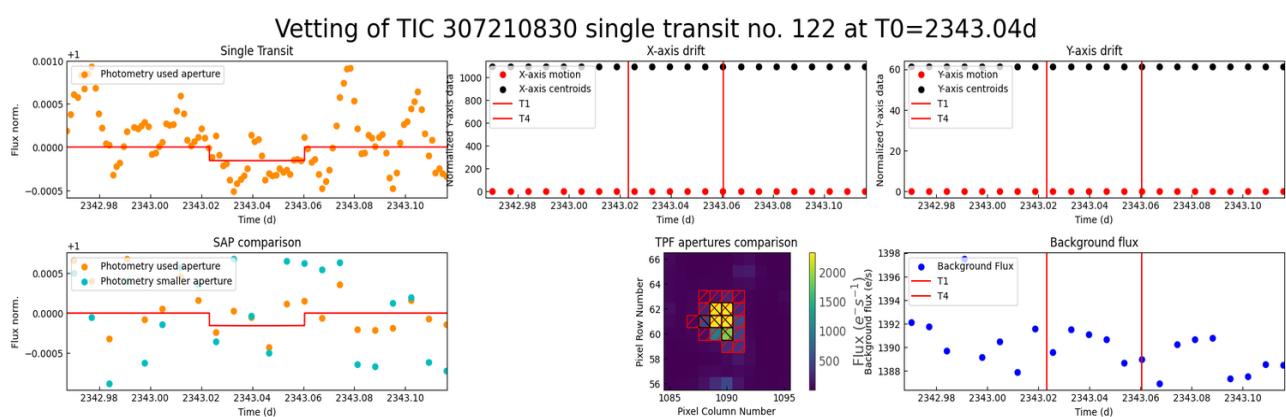
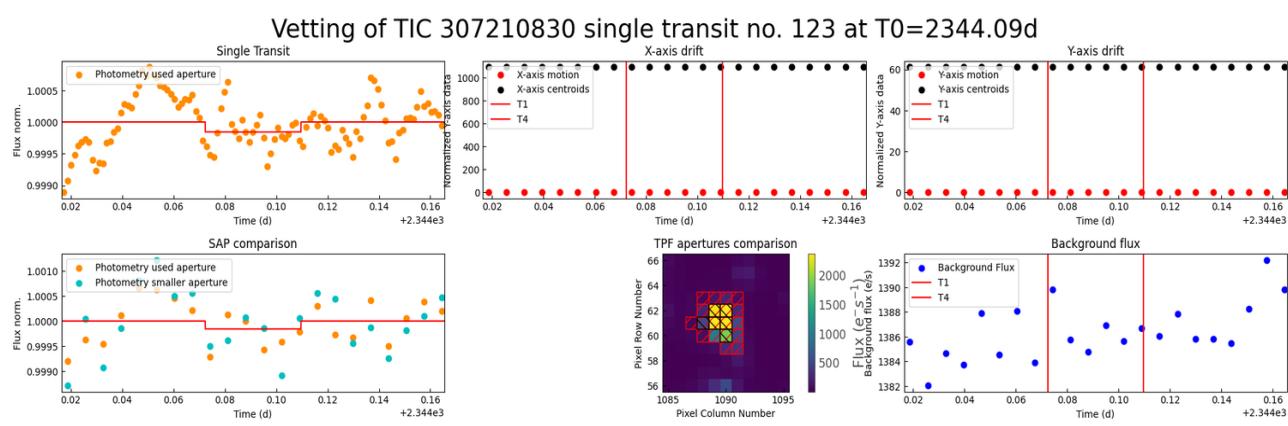


Figure 135: The single transit no. 122 vetting plots



Target ID: 307210830, 2344.02 - 2344.16 [BTJD days]

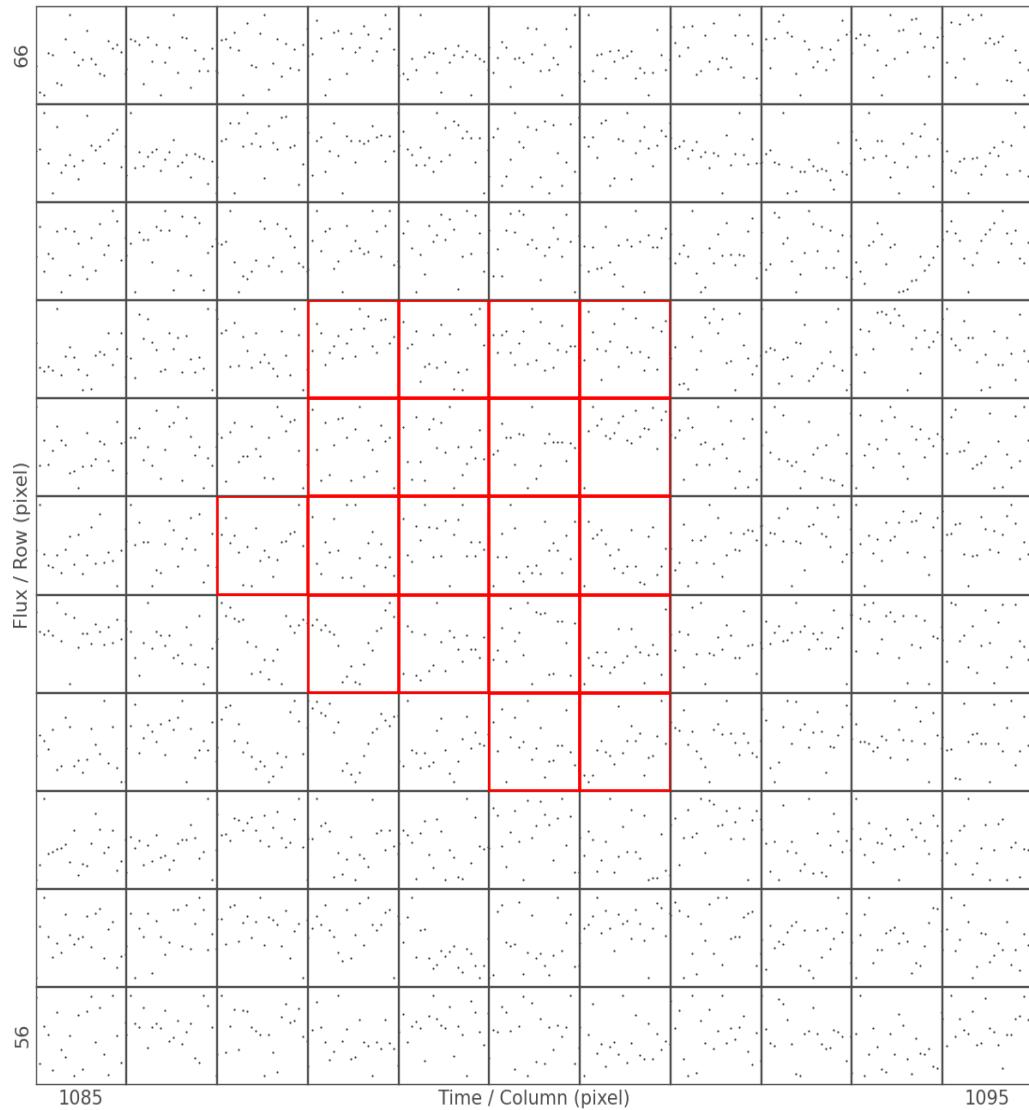


Figure 136: The single transit no. 123 vetting plots

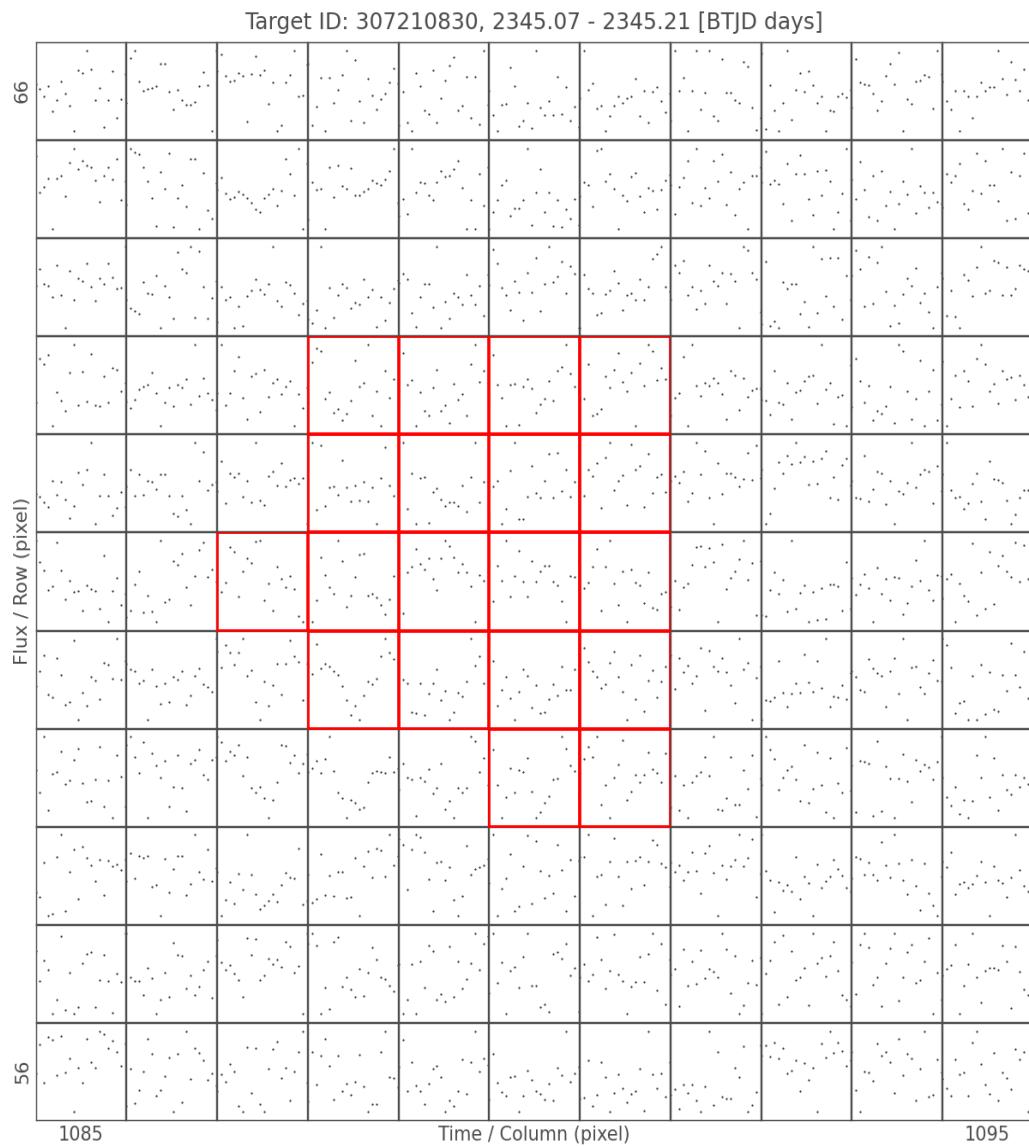
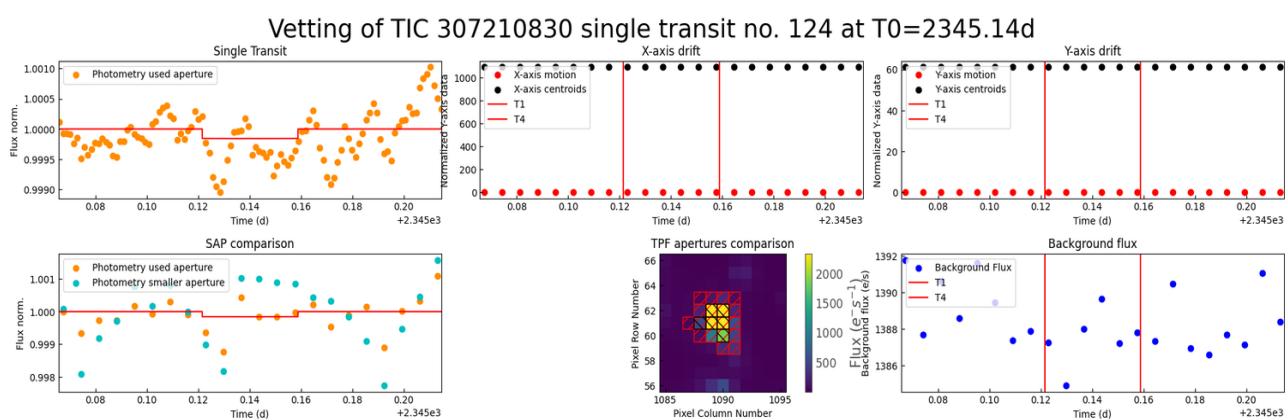


Figure 137: The single transit no. 124 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:49

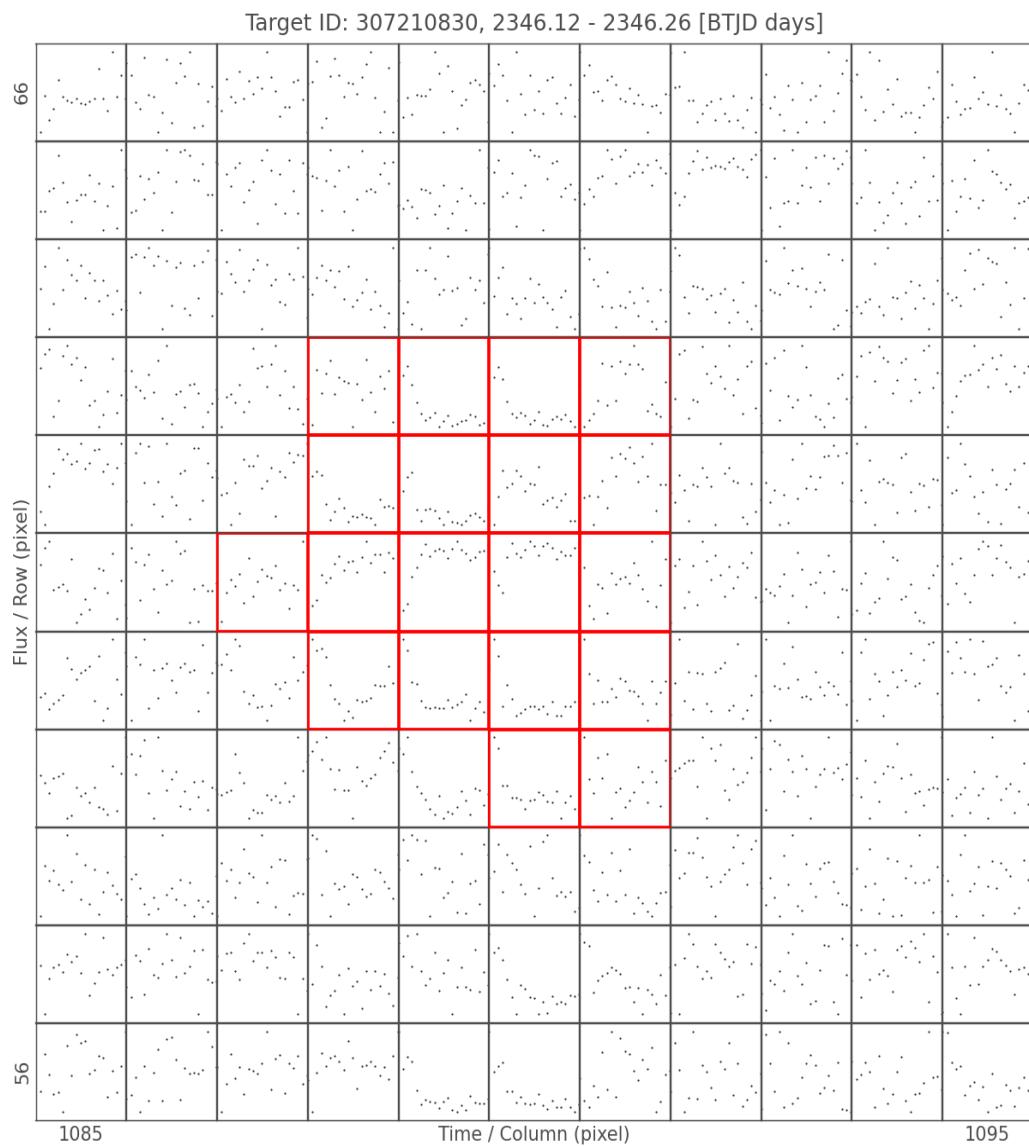
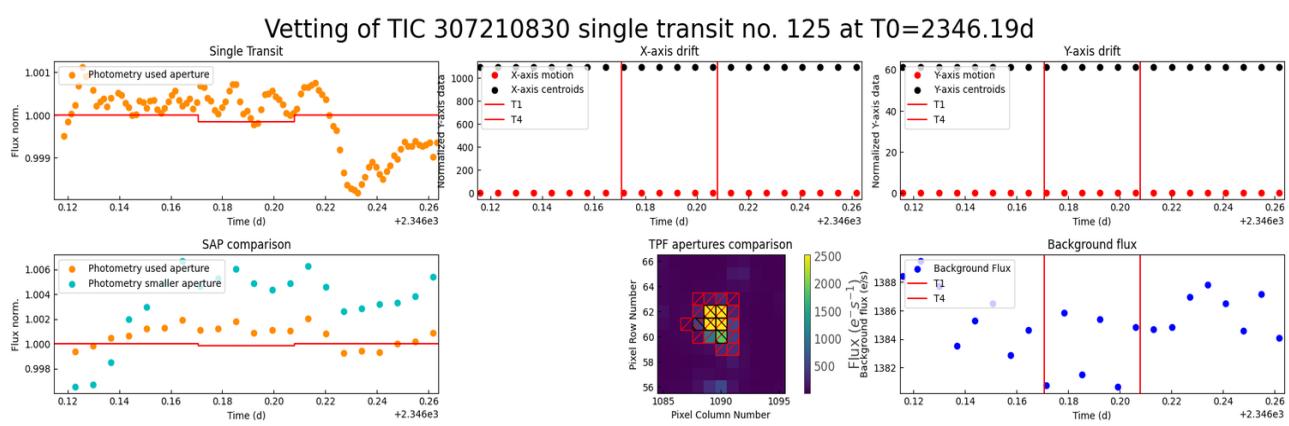


Figure 138: The single transit no. 125 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:50

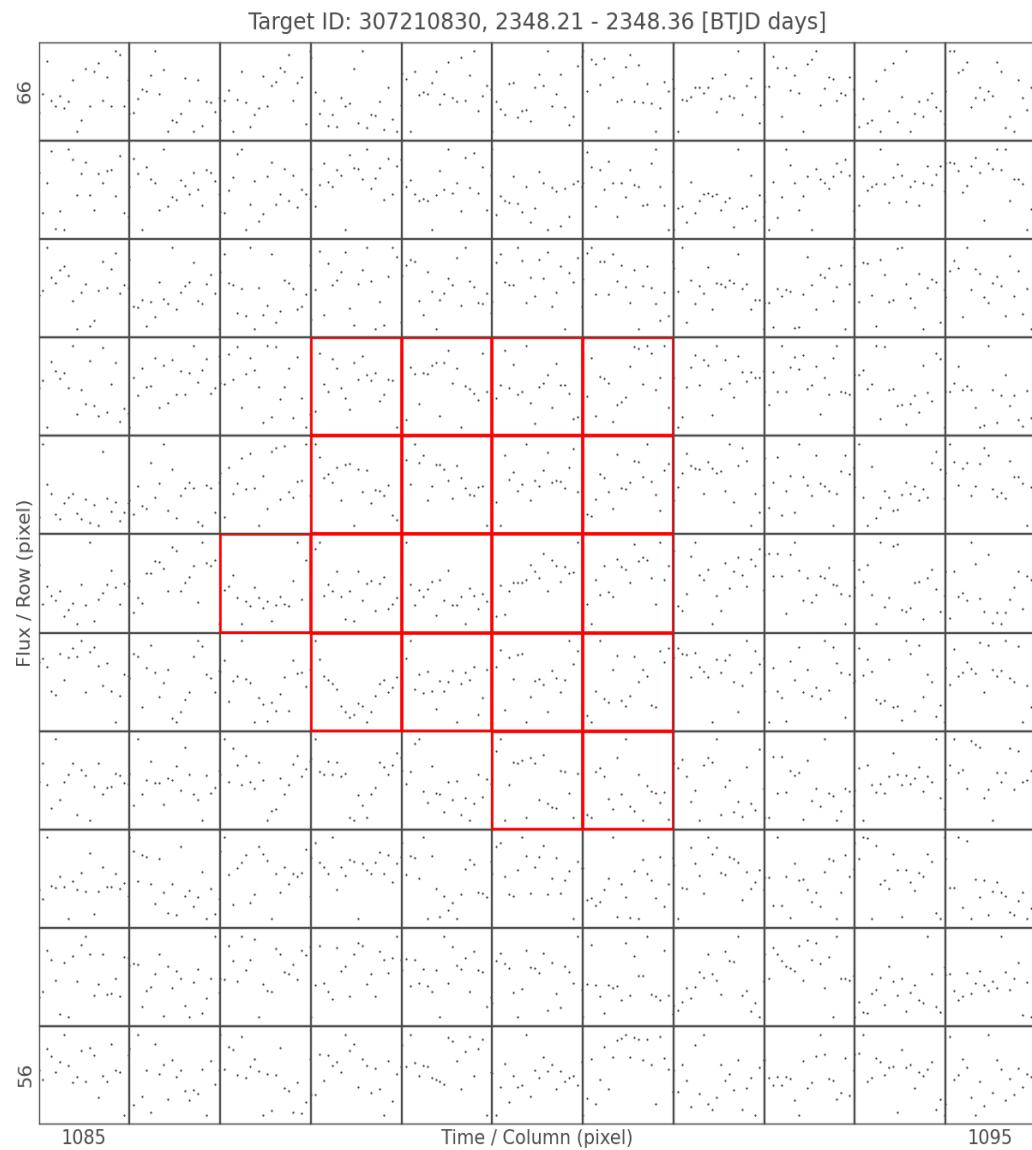
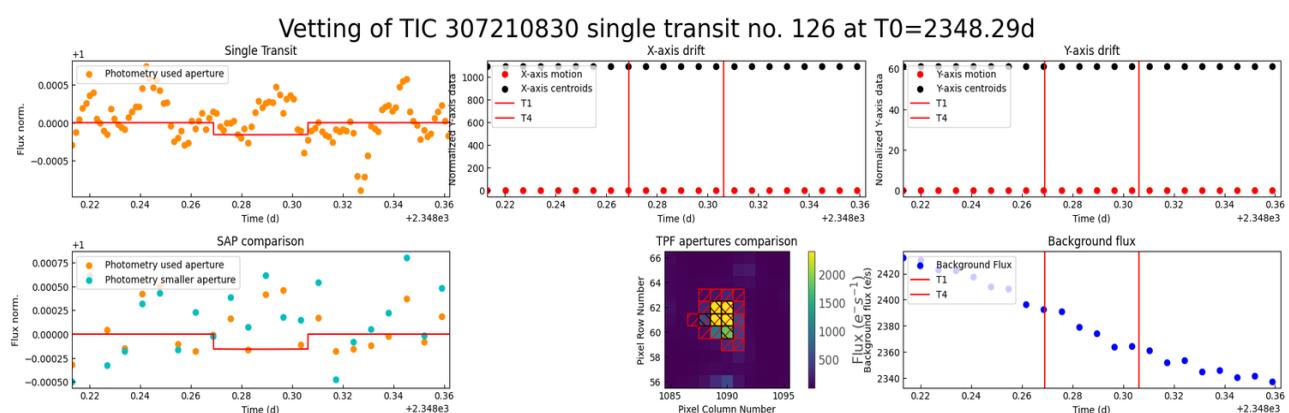
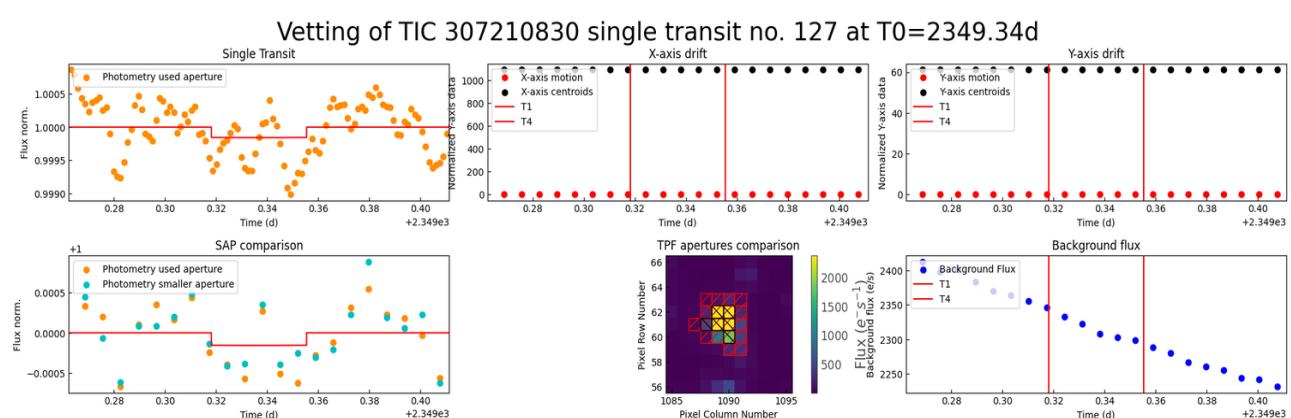


Figure 139: The single transit no. 126 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2349.27 - 2349.41 [BJD days]

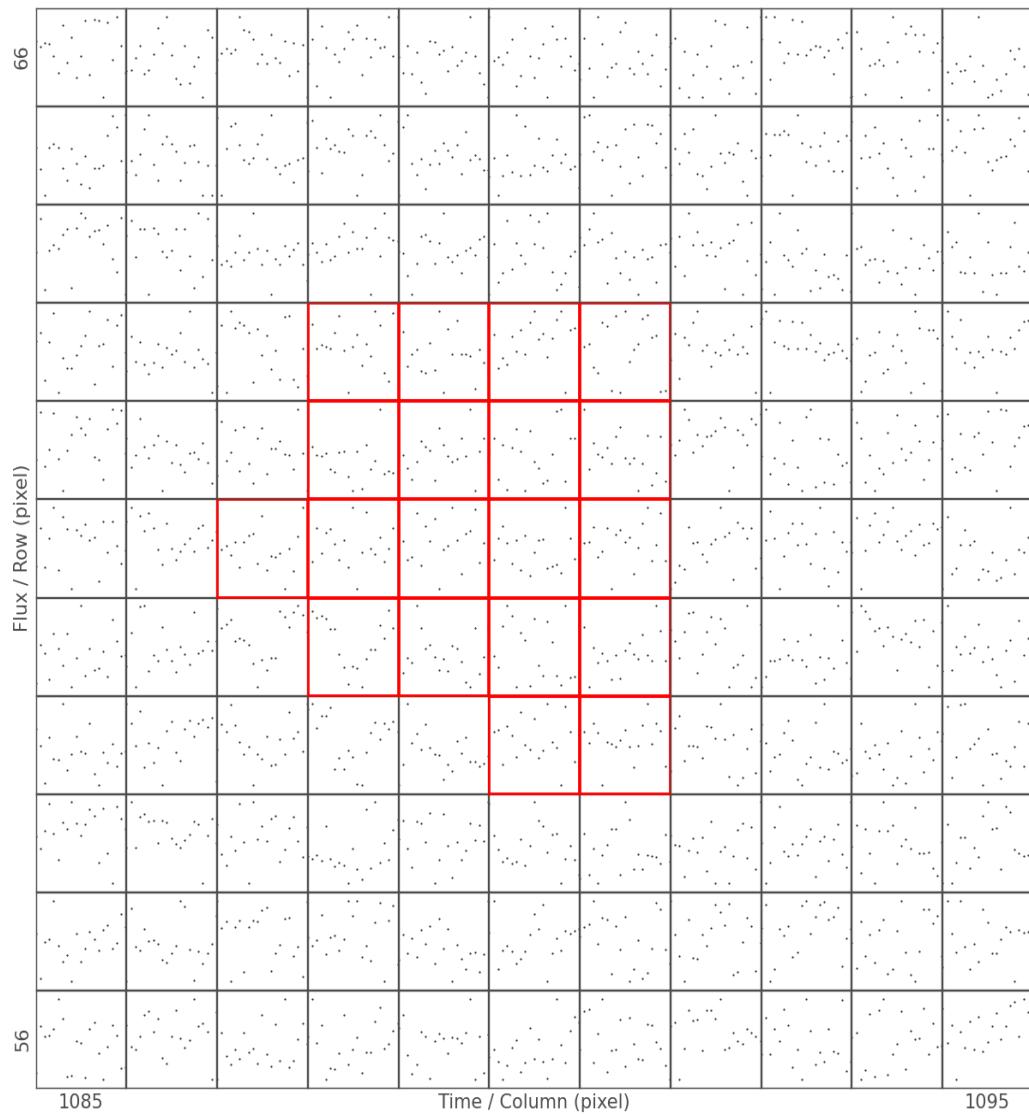


Figure 140: The single transit no. 127 vetting plots

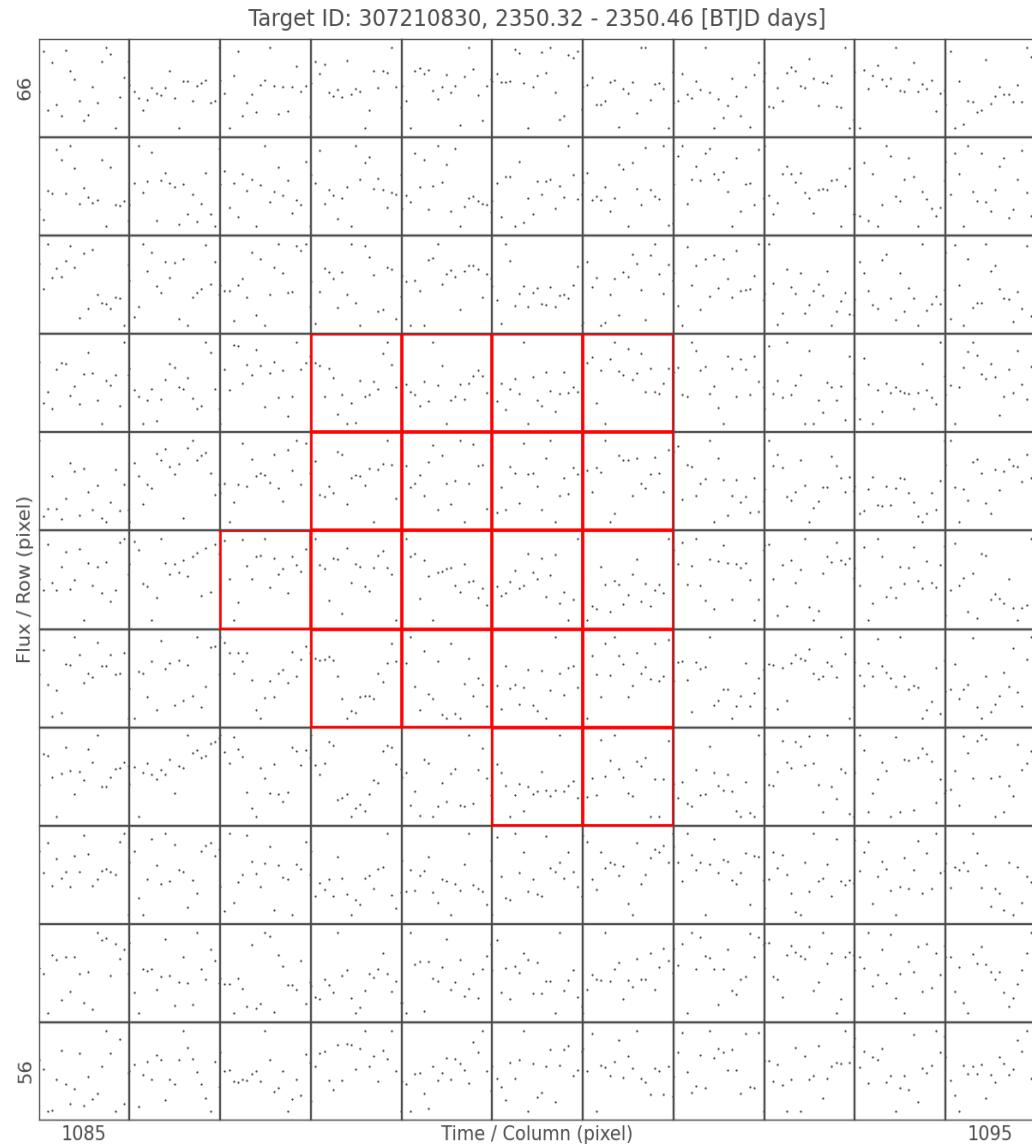
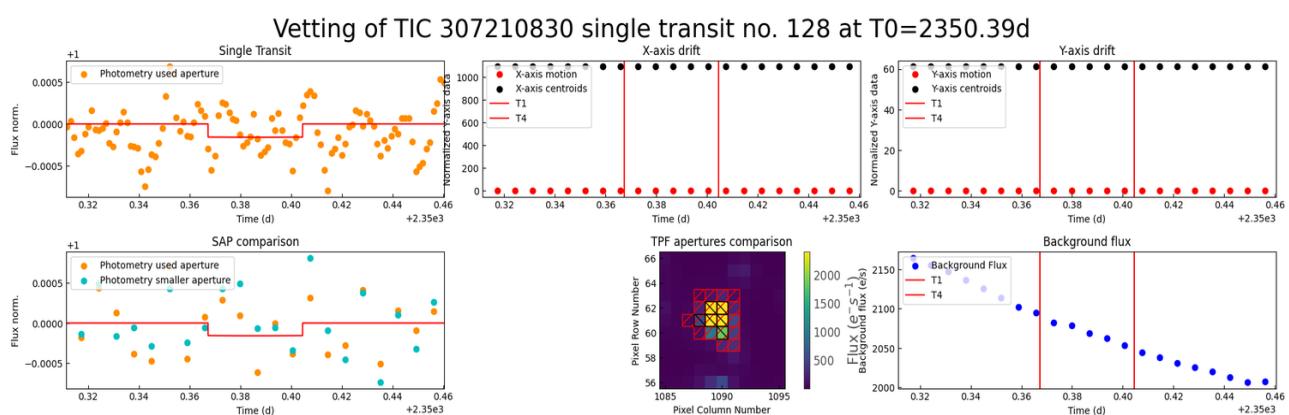


Figure 141: The single transit no. 128 vetting plots

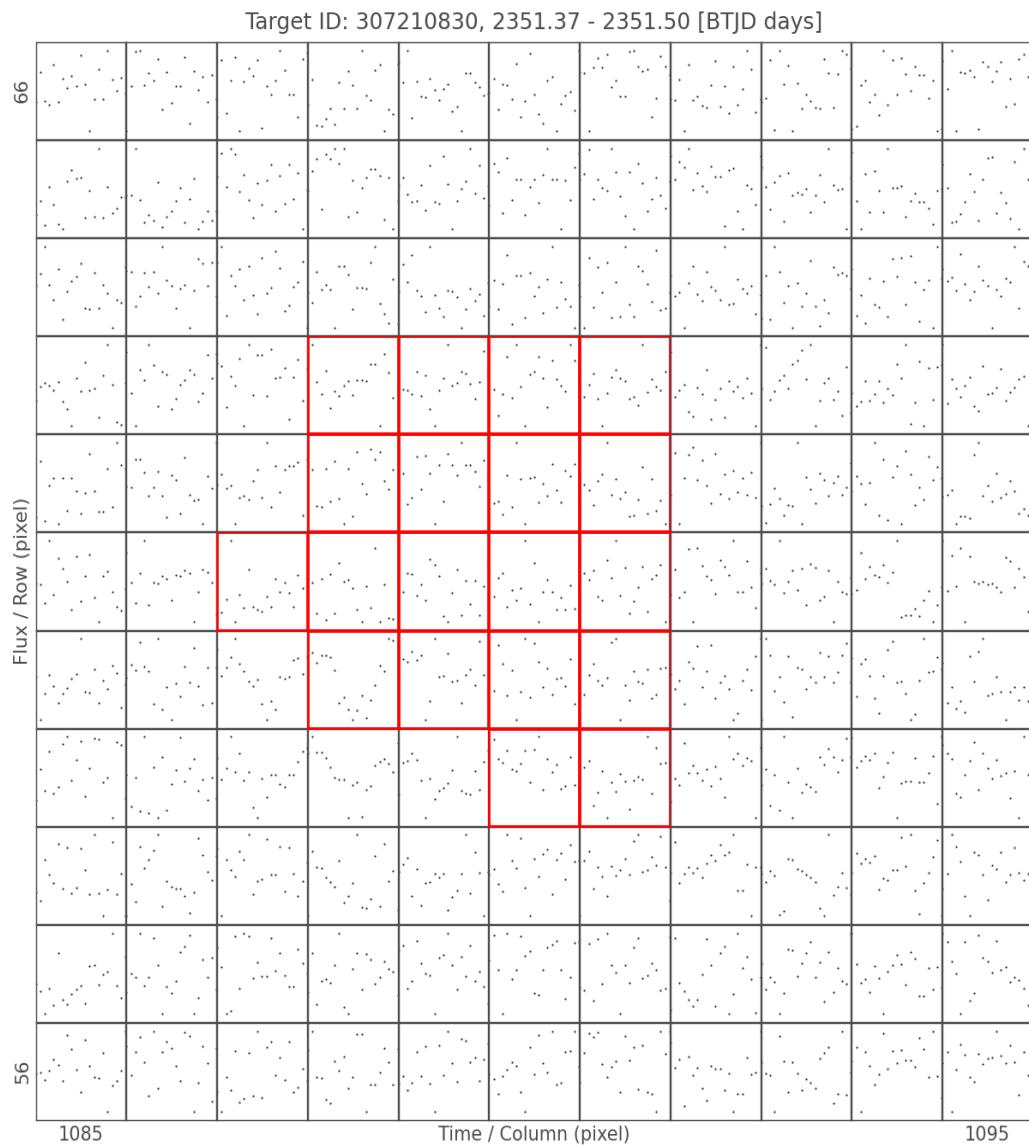
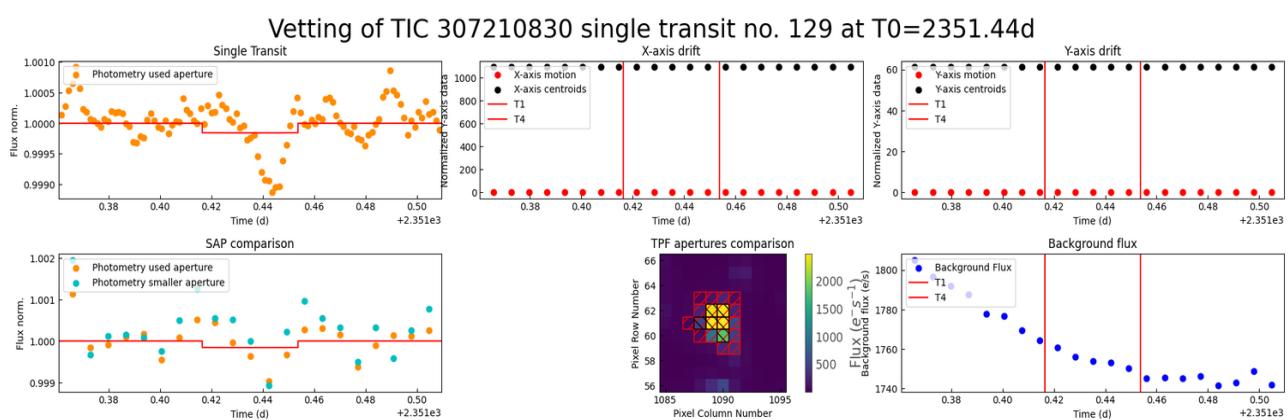


Figure 142: The single transit no. 129 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:50

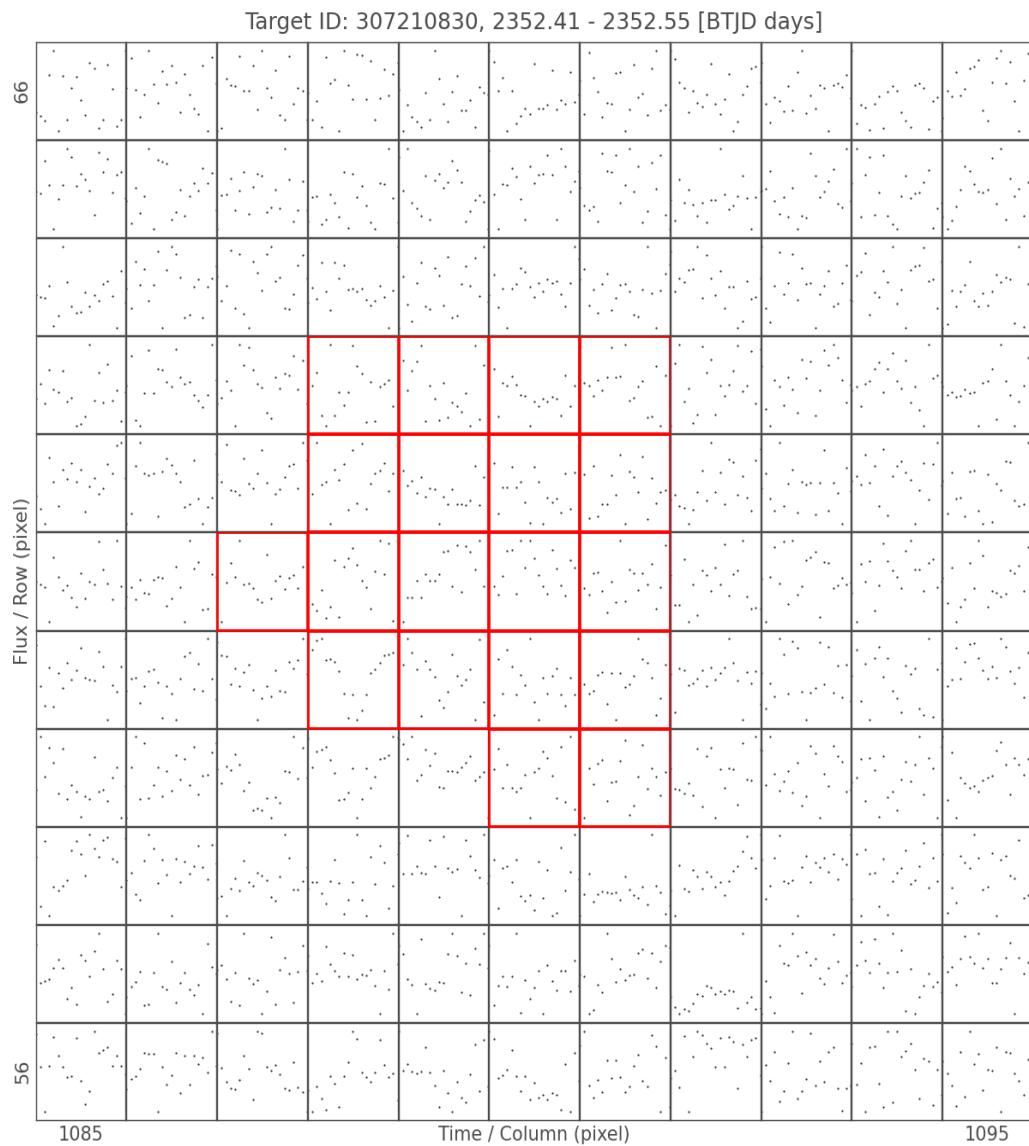
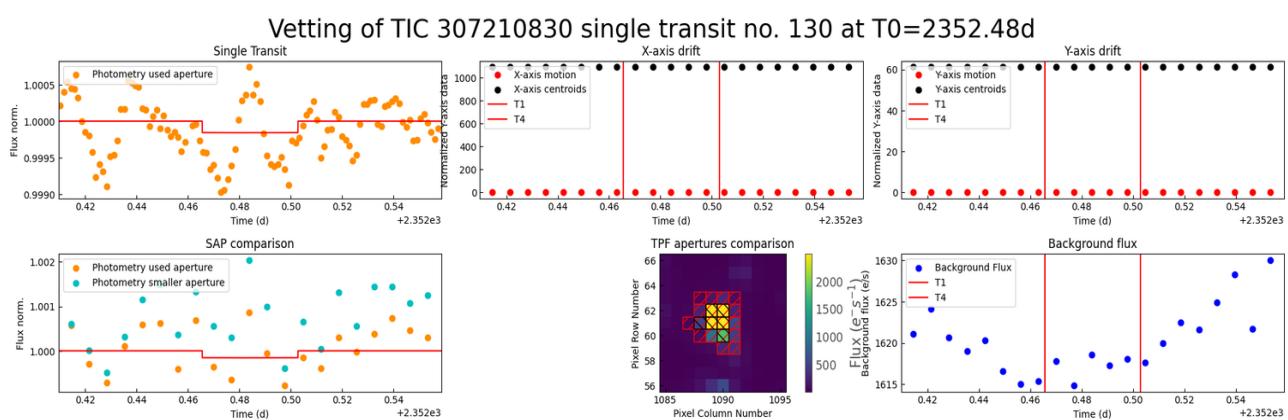


Figure 143: The single transit no. 130 vetting plots

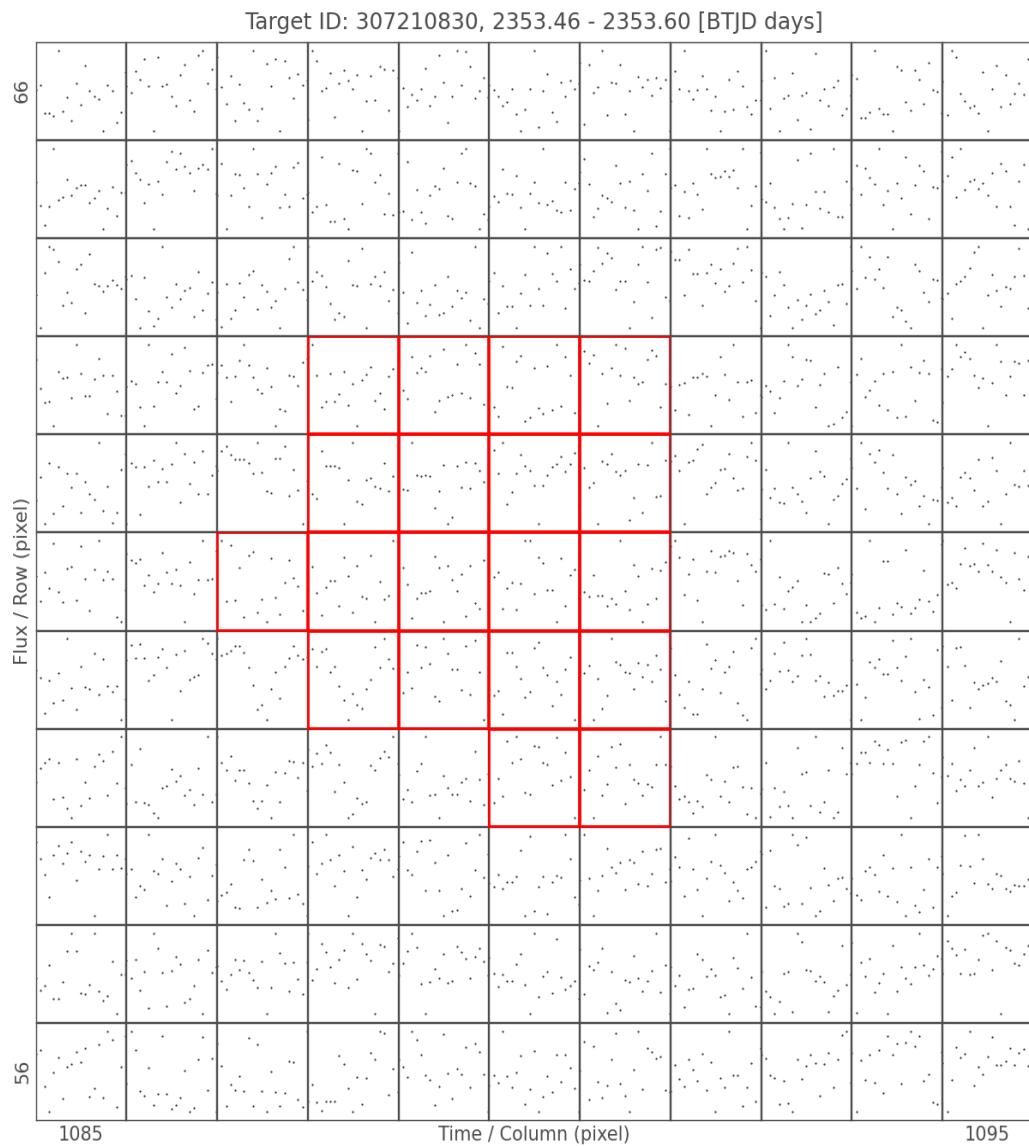
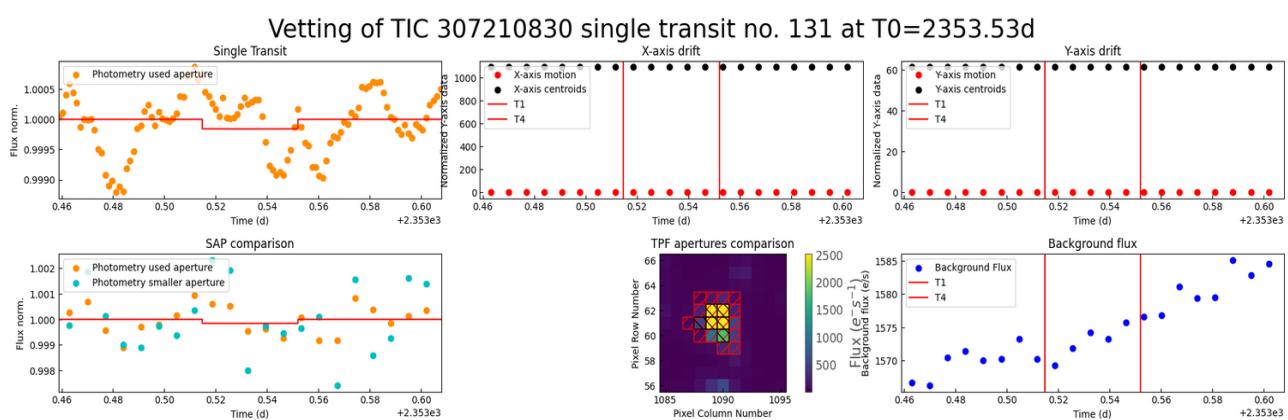


Figure 144: The single transit no. 131 vetting plots

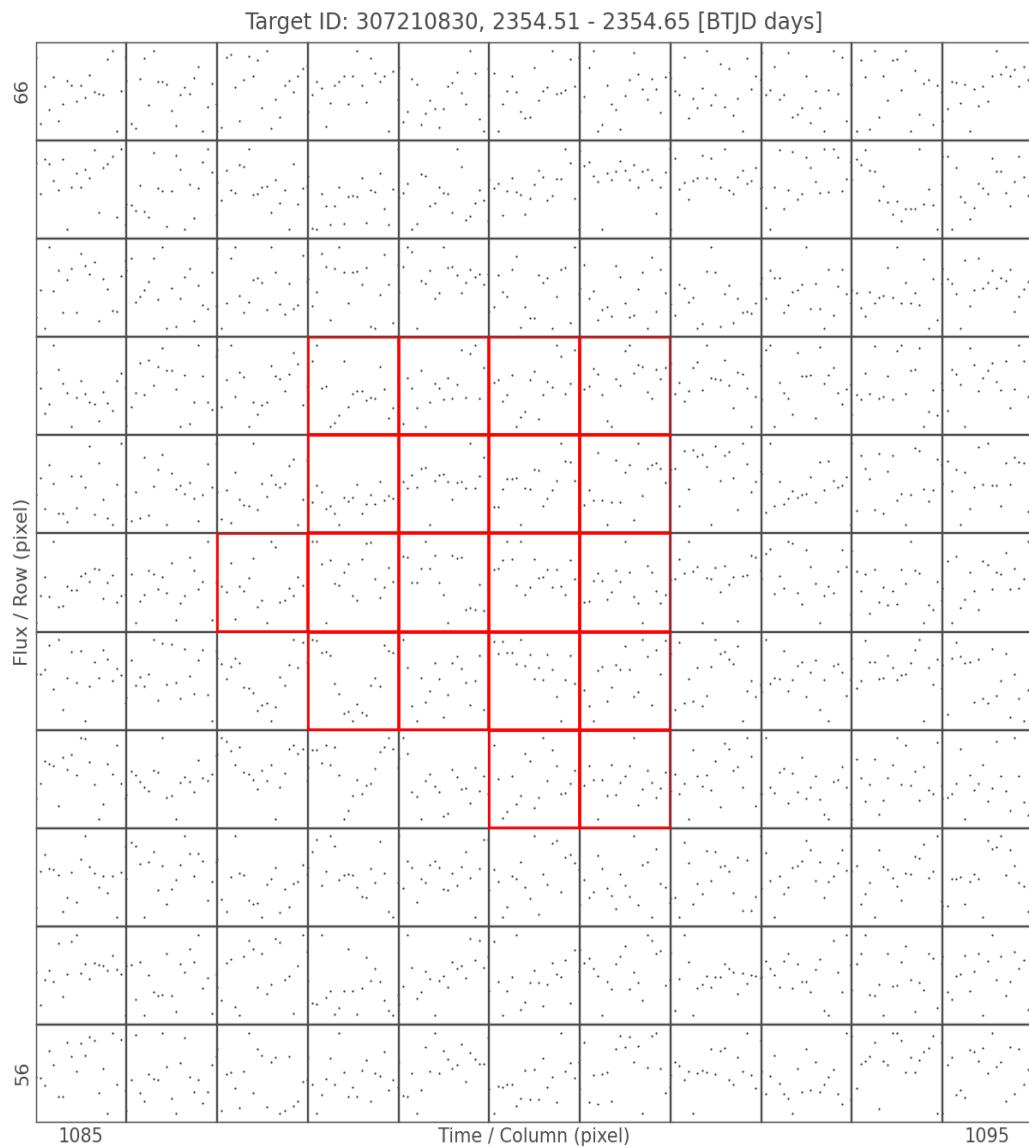
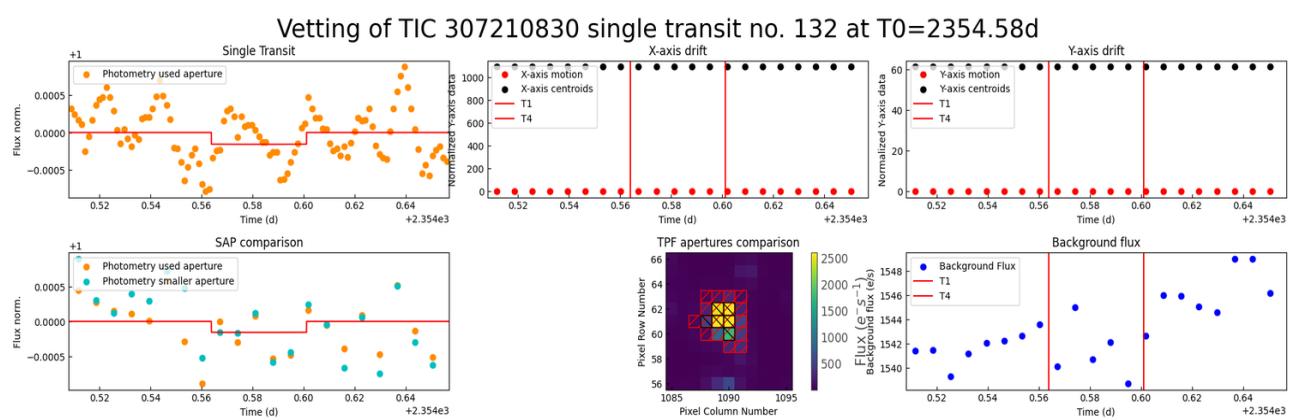


Figure 145: The single transit no. 132 vetting plots

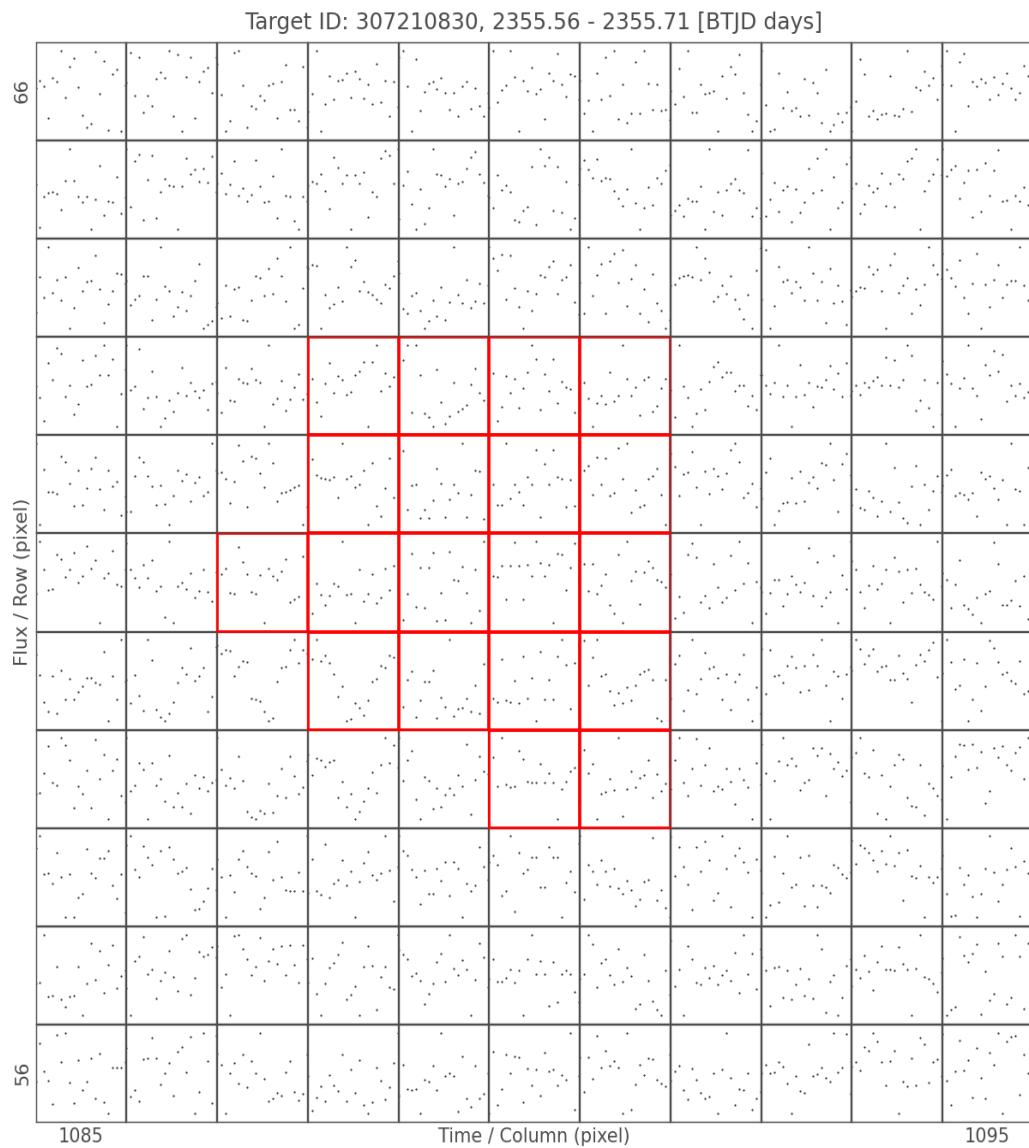
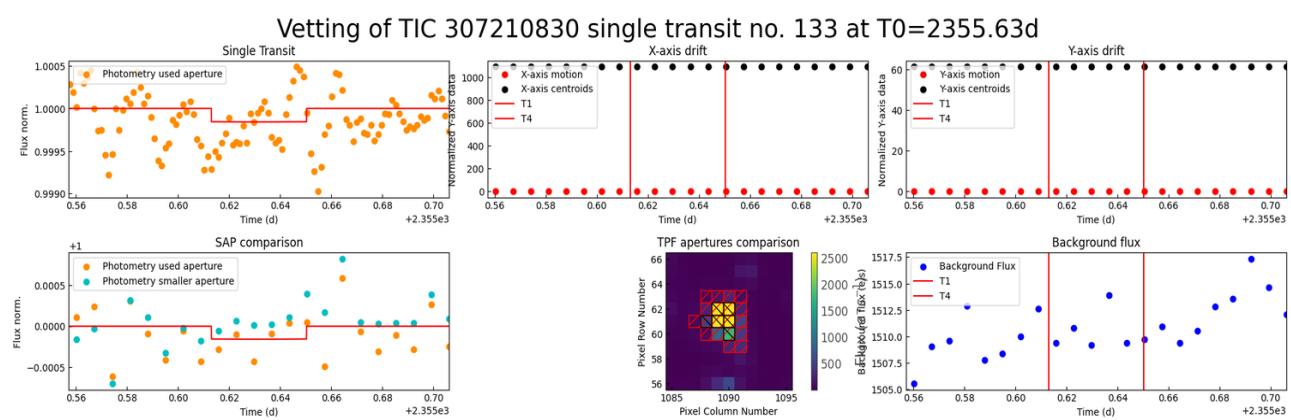


Figure 146: The single transit no. 133 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:51

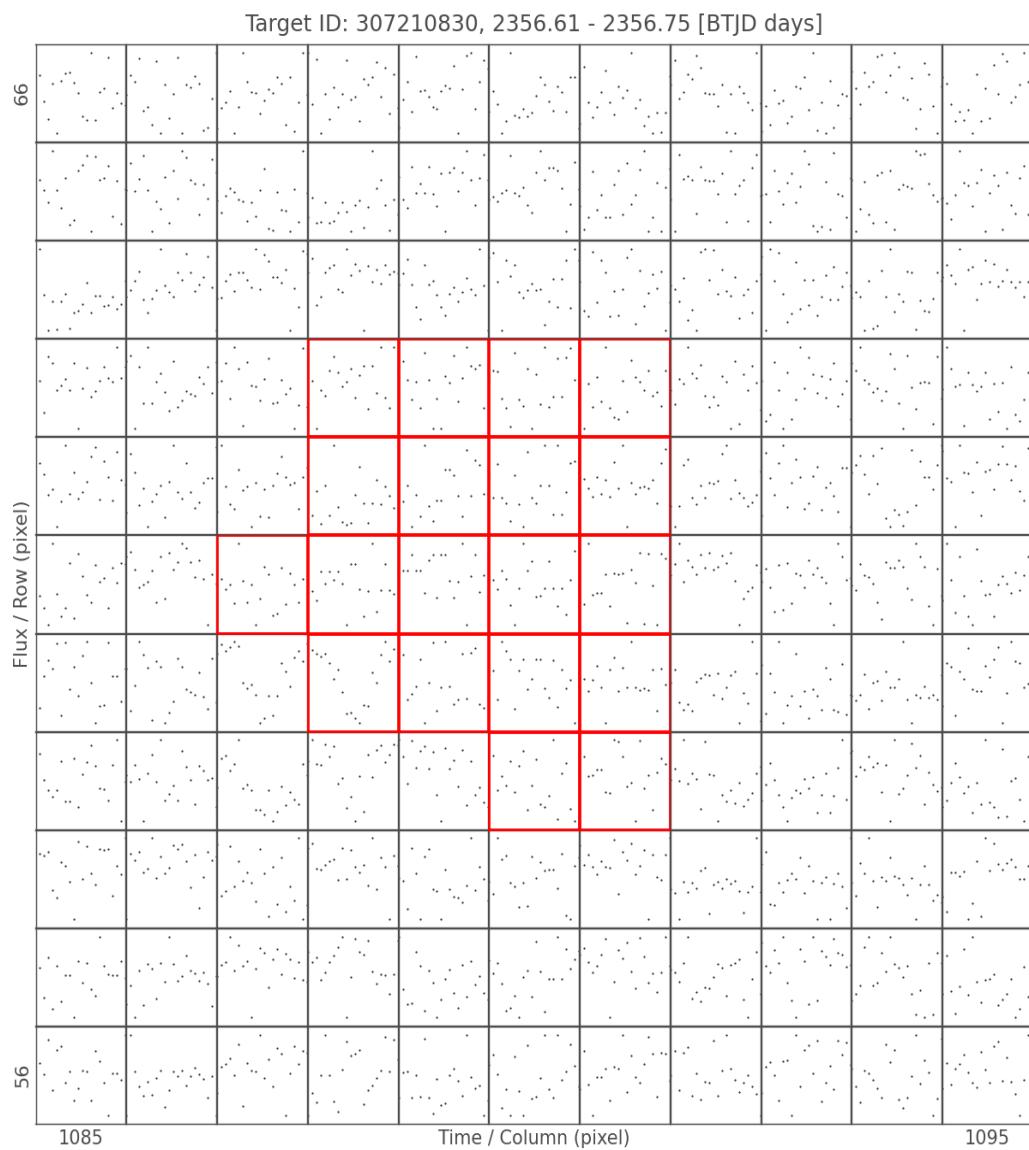
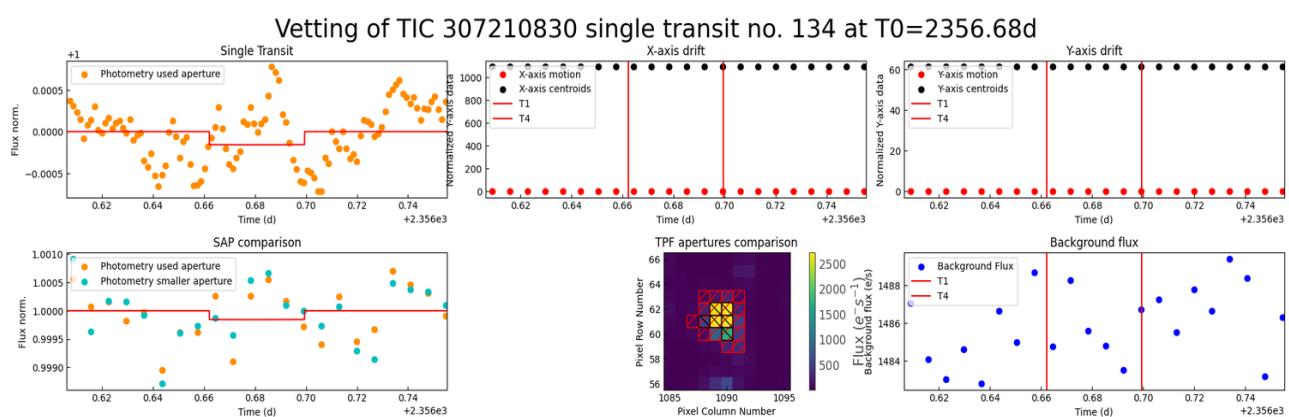


Figure 147: The single transit no. 134 vetting plots

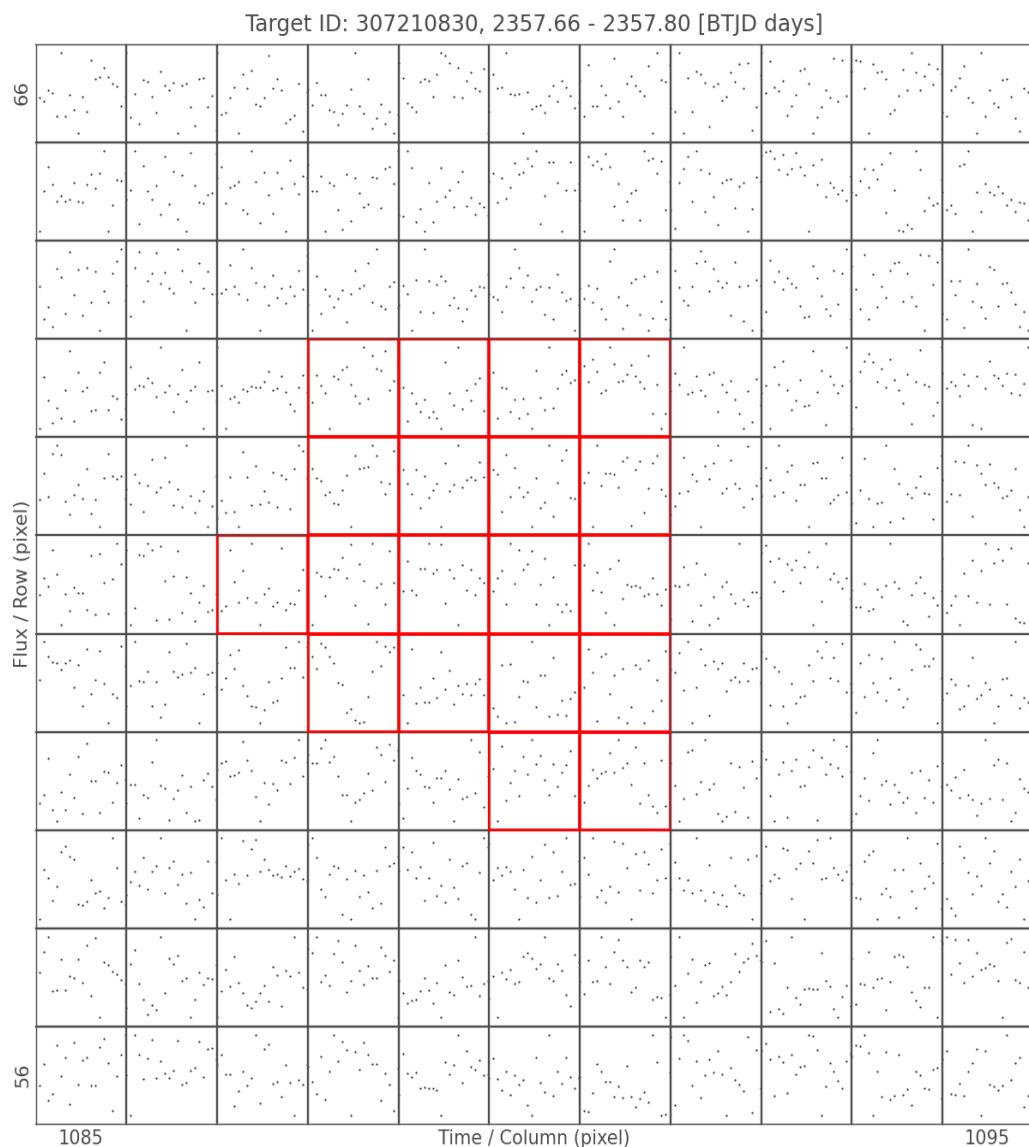
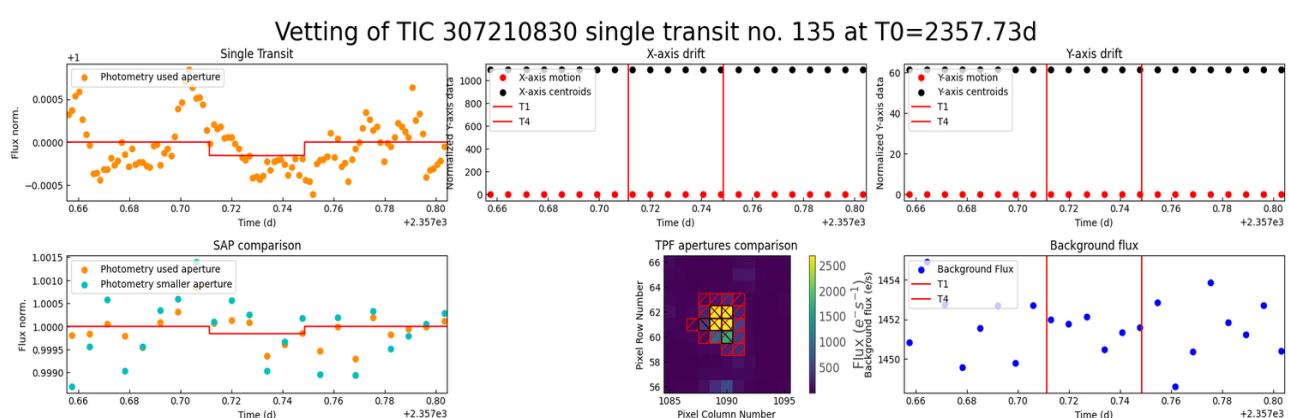


Figure 148: The single transit no. 135 vetting plots

WATSON Transits Validation Report: TIC 307210830

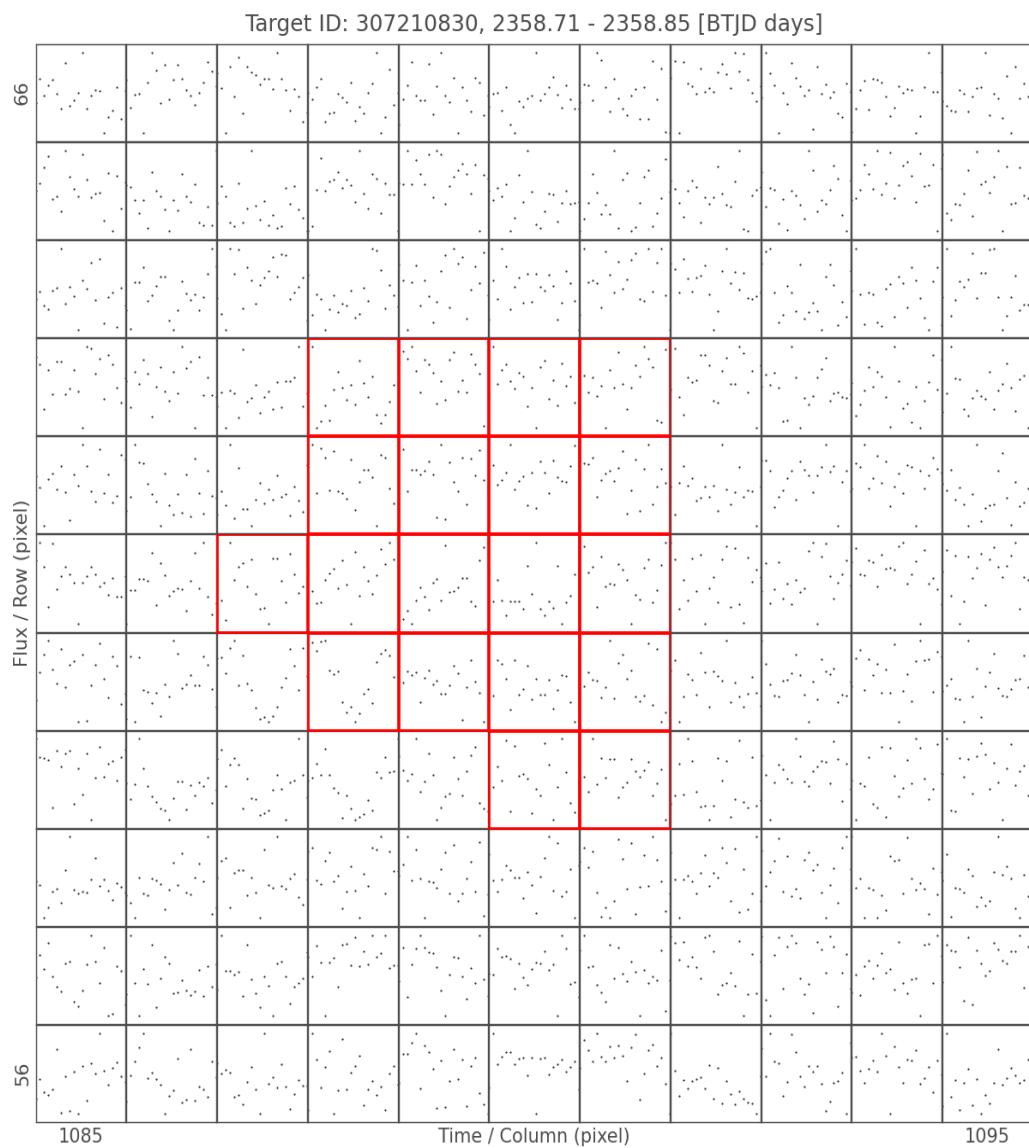
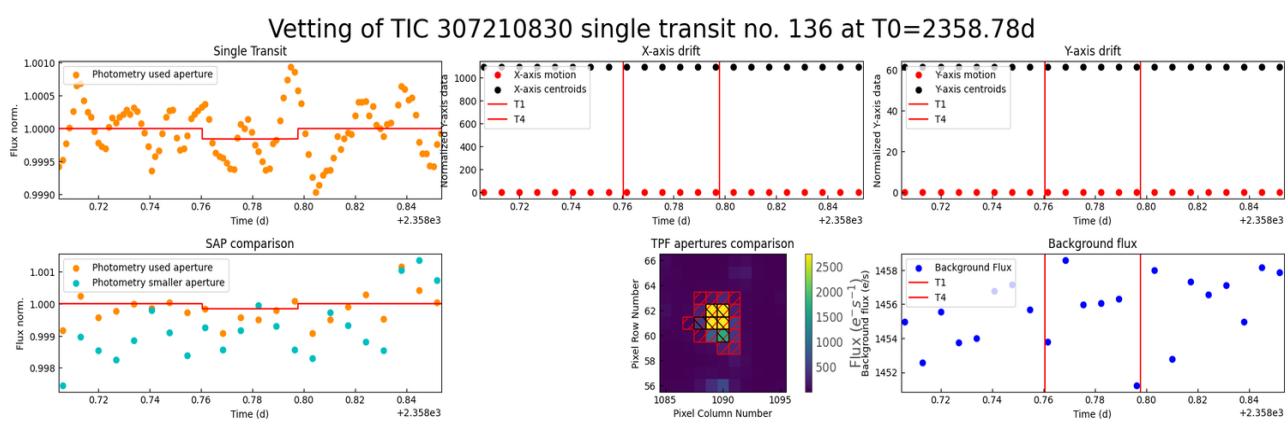


Figure 149: The single transit no. 136 vetting plots

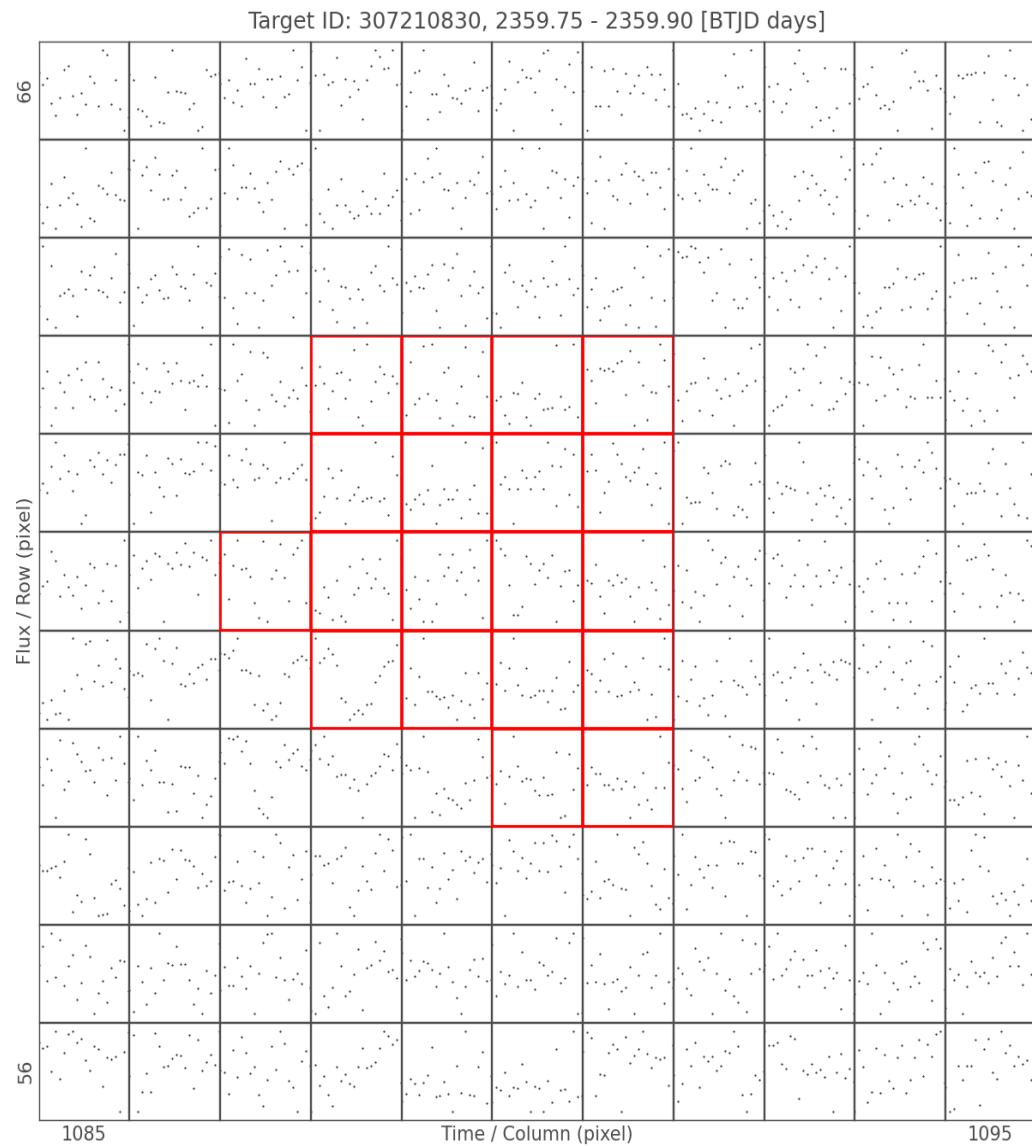
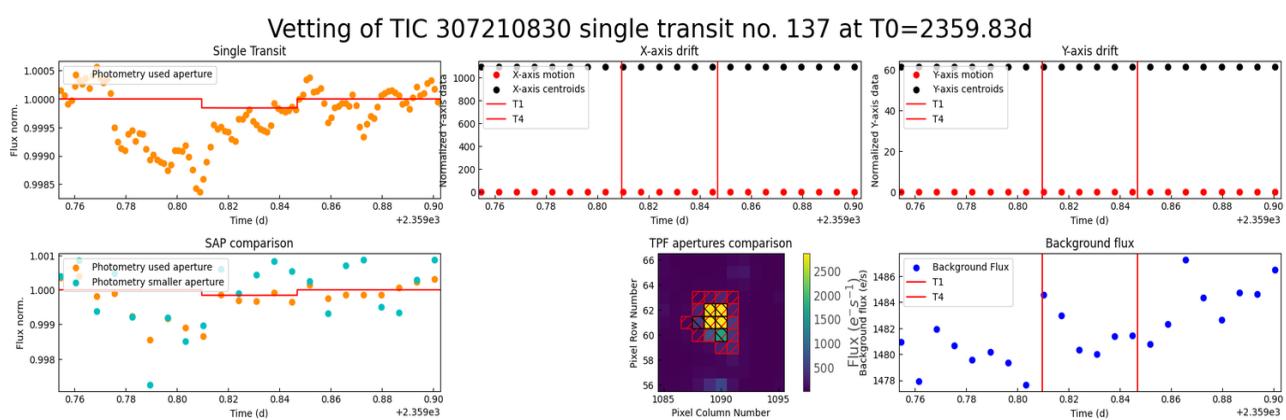


Figure 150: The single transit no. 137 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:52

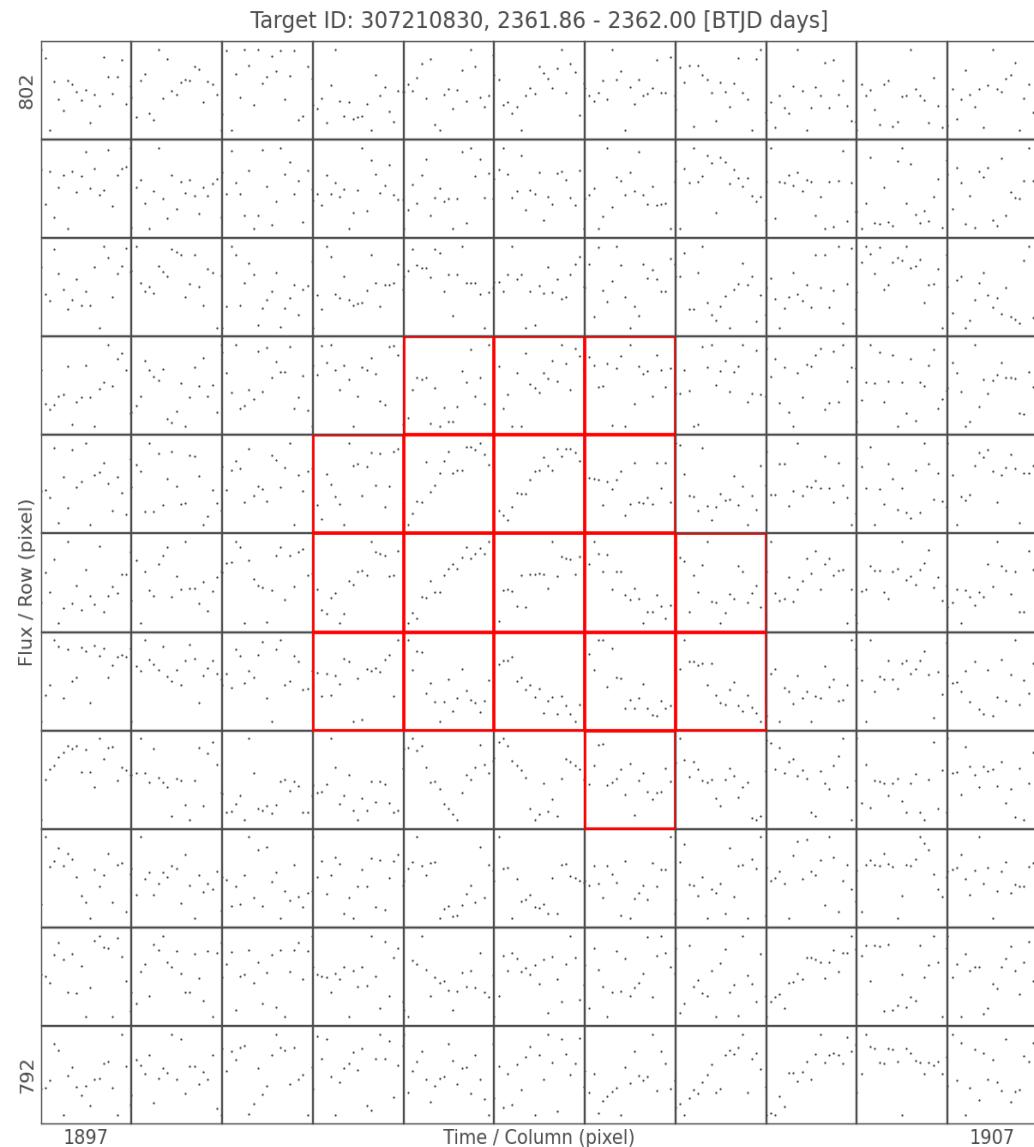
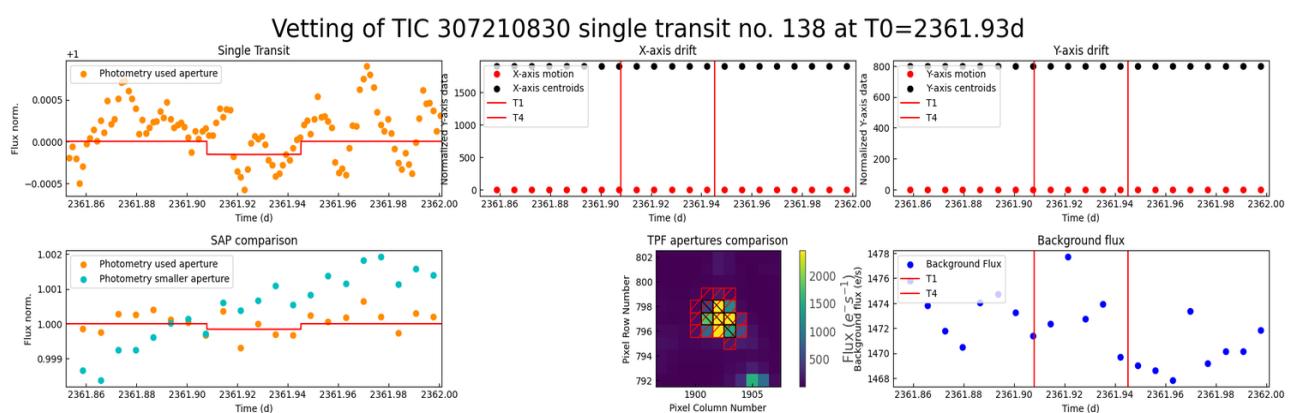


Figure 151: The single transit no. 138 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:52

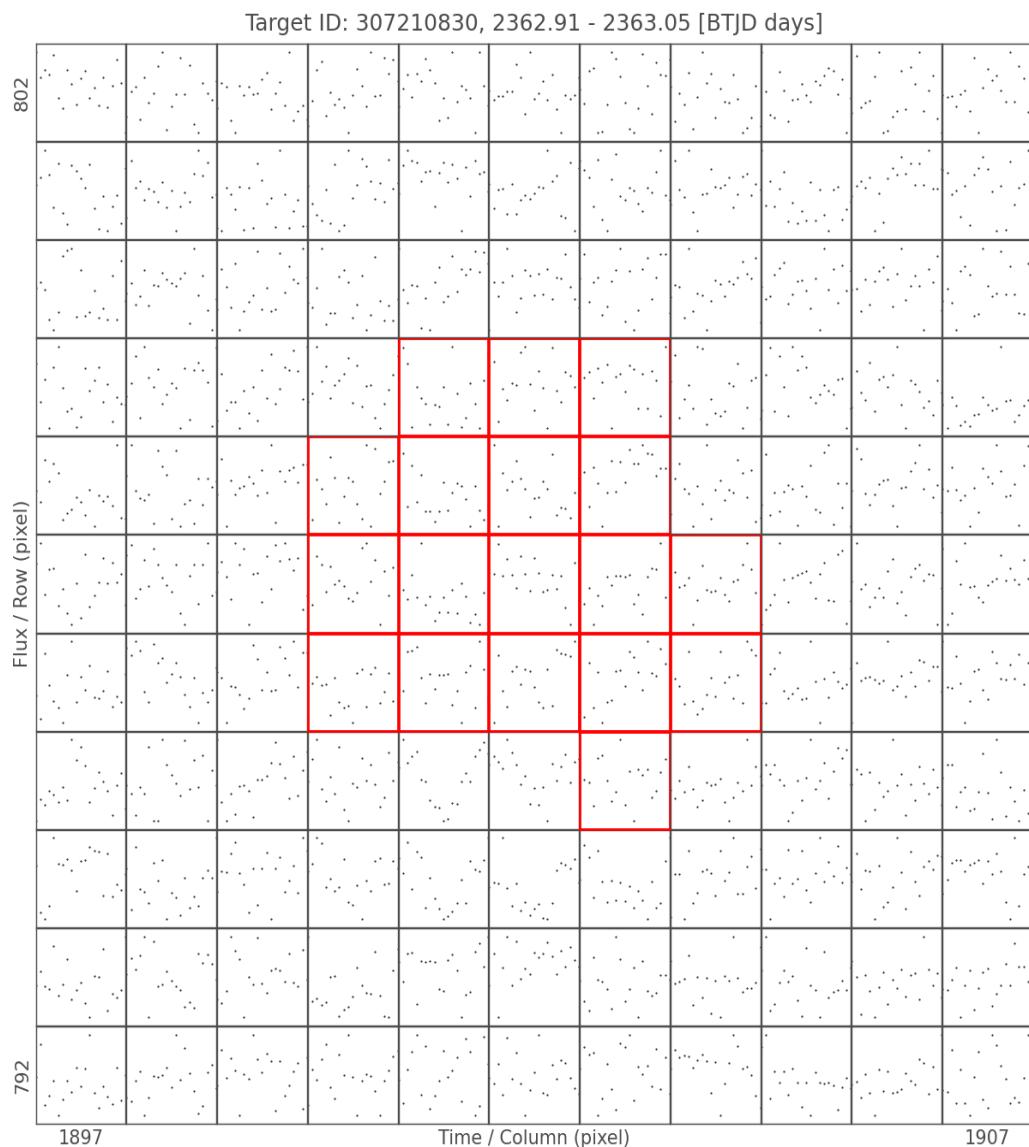
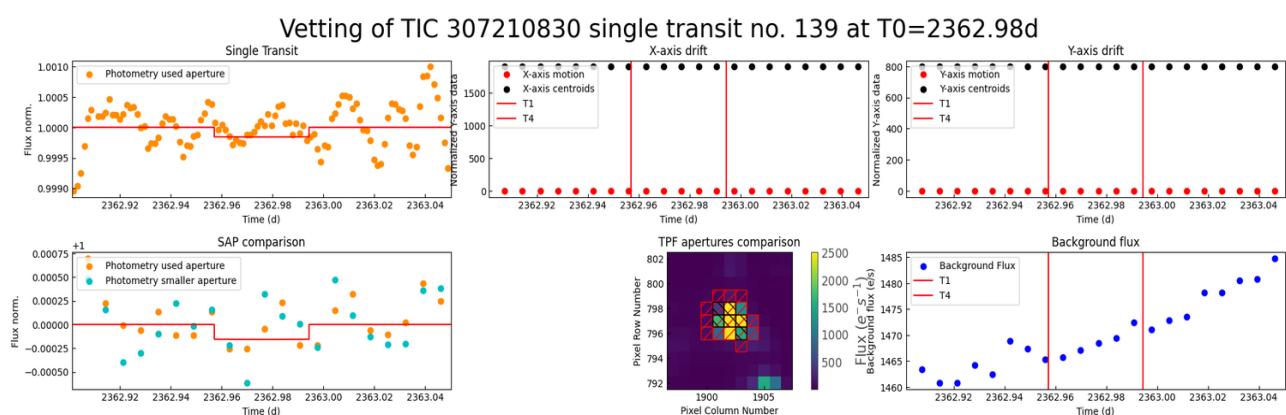


Figure 152: The single transit no. 139 vetting plots

WATSON Transits Validation Report: TIC 307210830

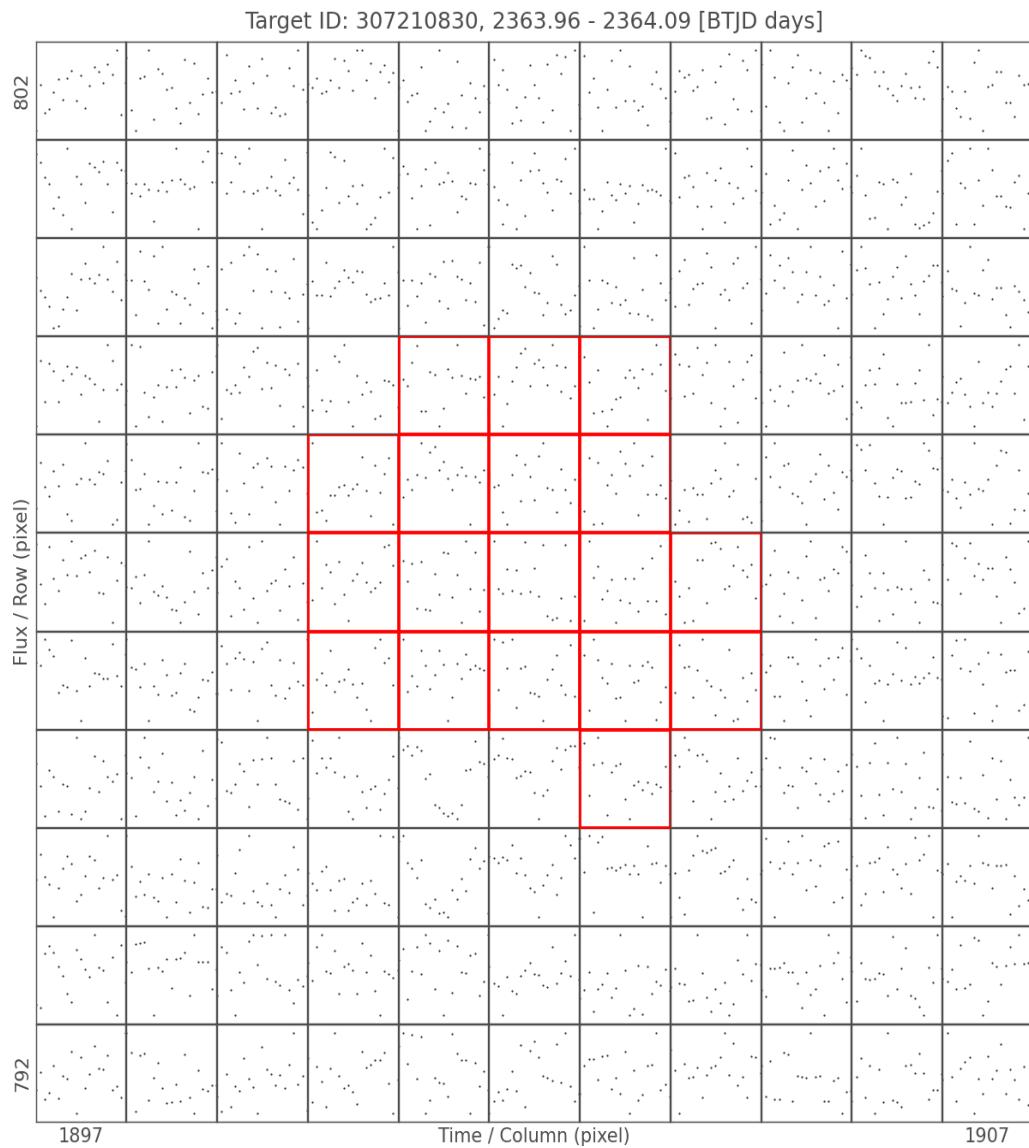
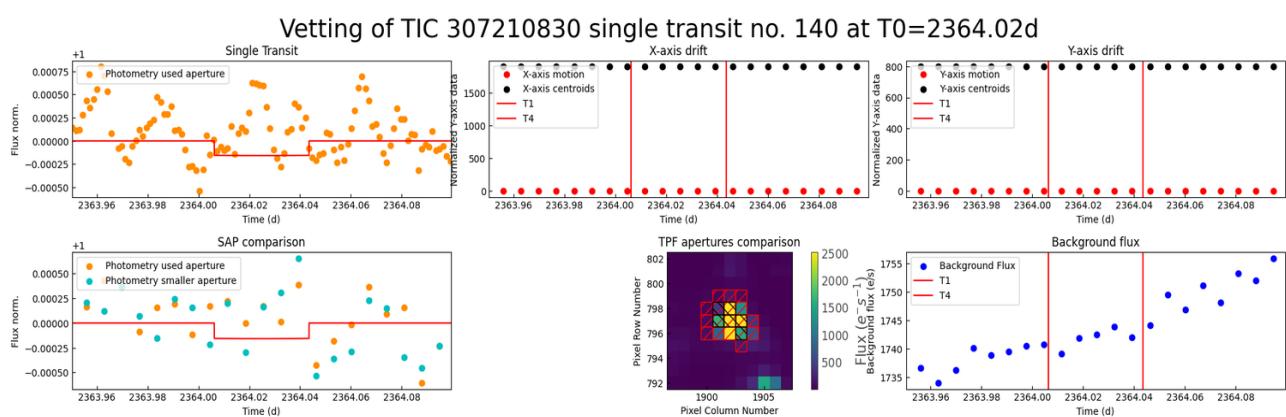


Figure 153: The single transit no. 140 vetting plots

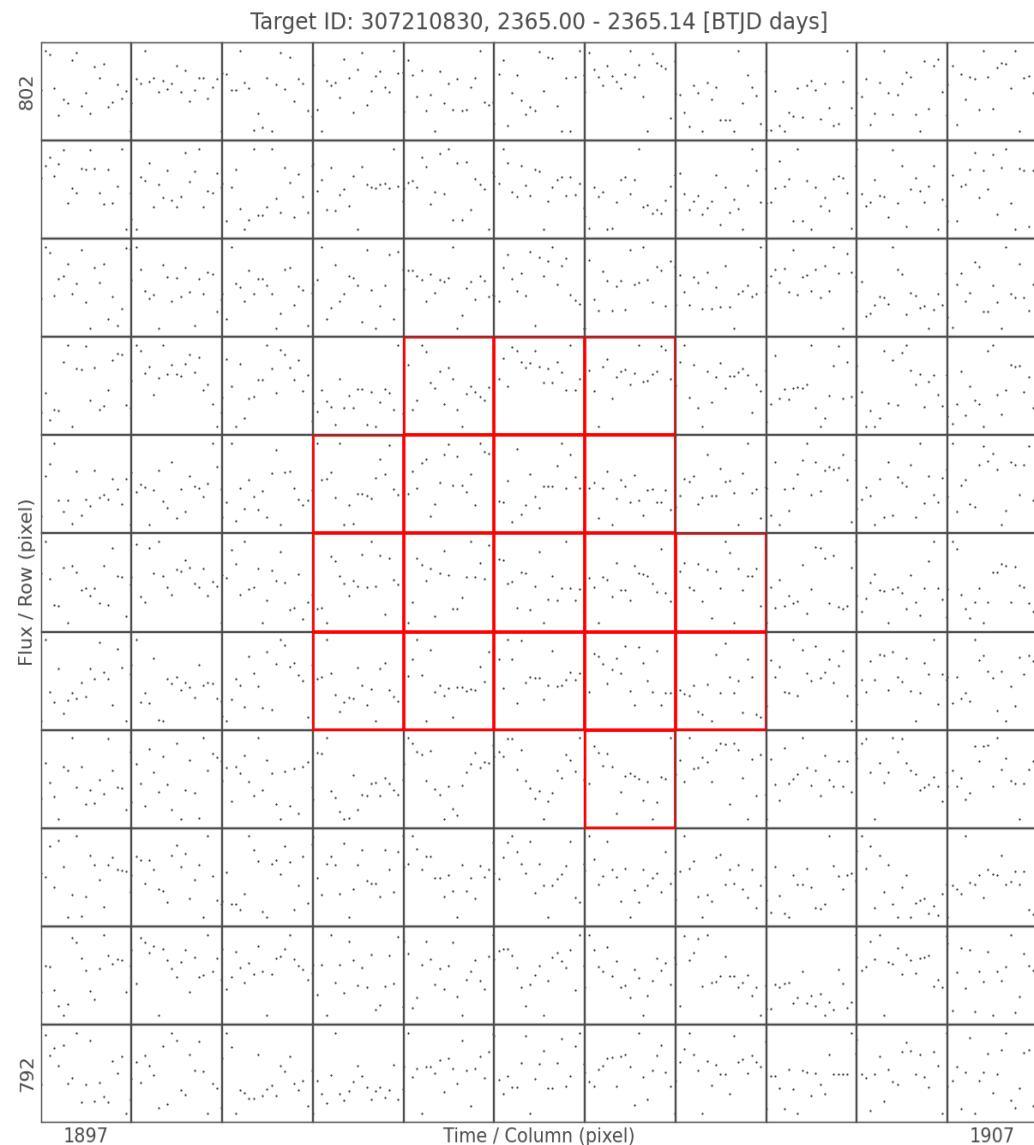
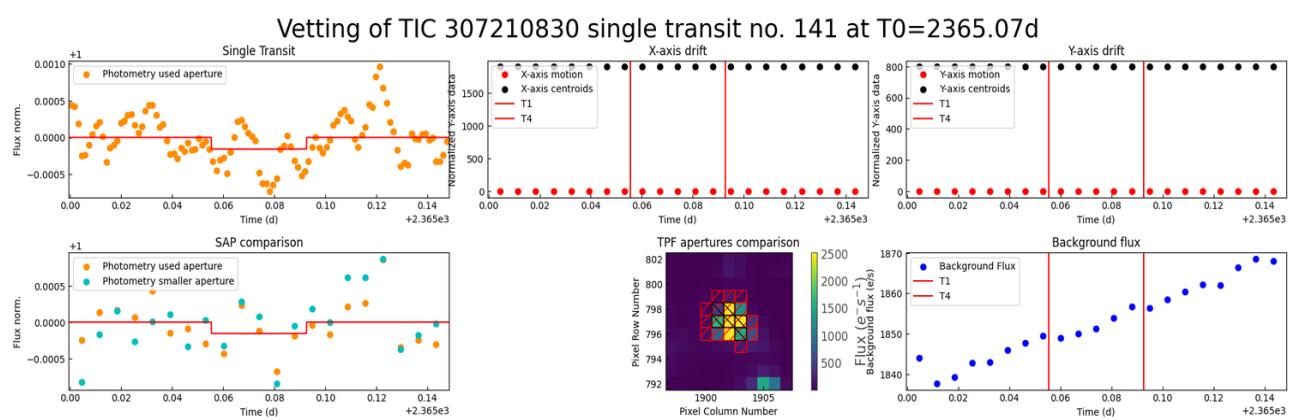
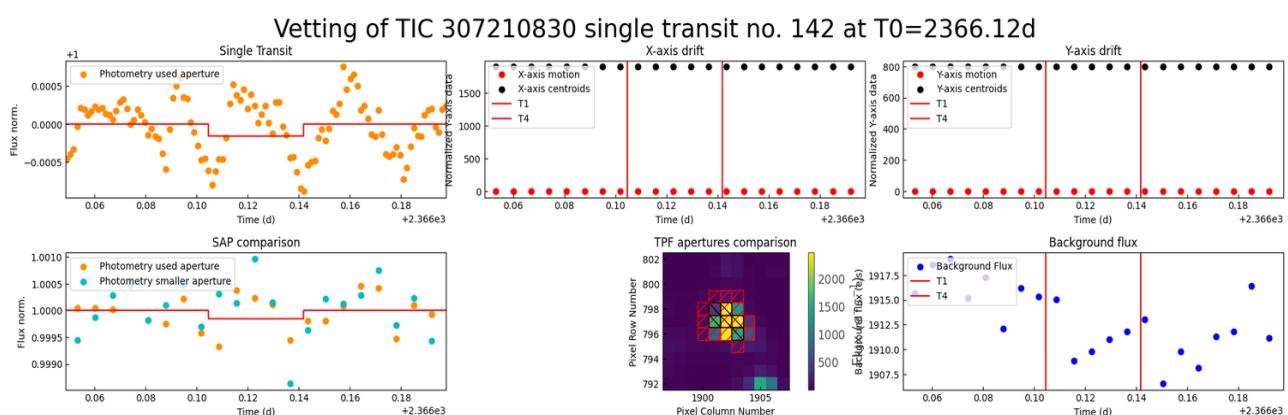


Figure 154: The single transit no. 141 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2366.05 - 2366.19 [BTJD days]

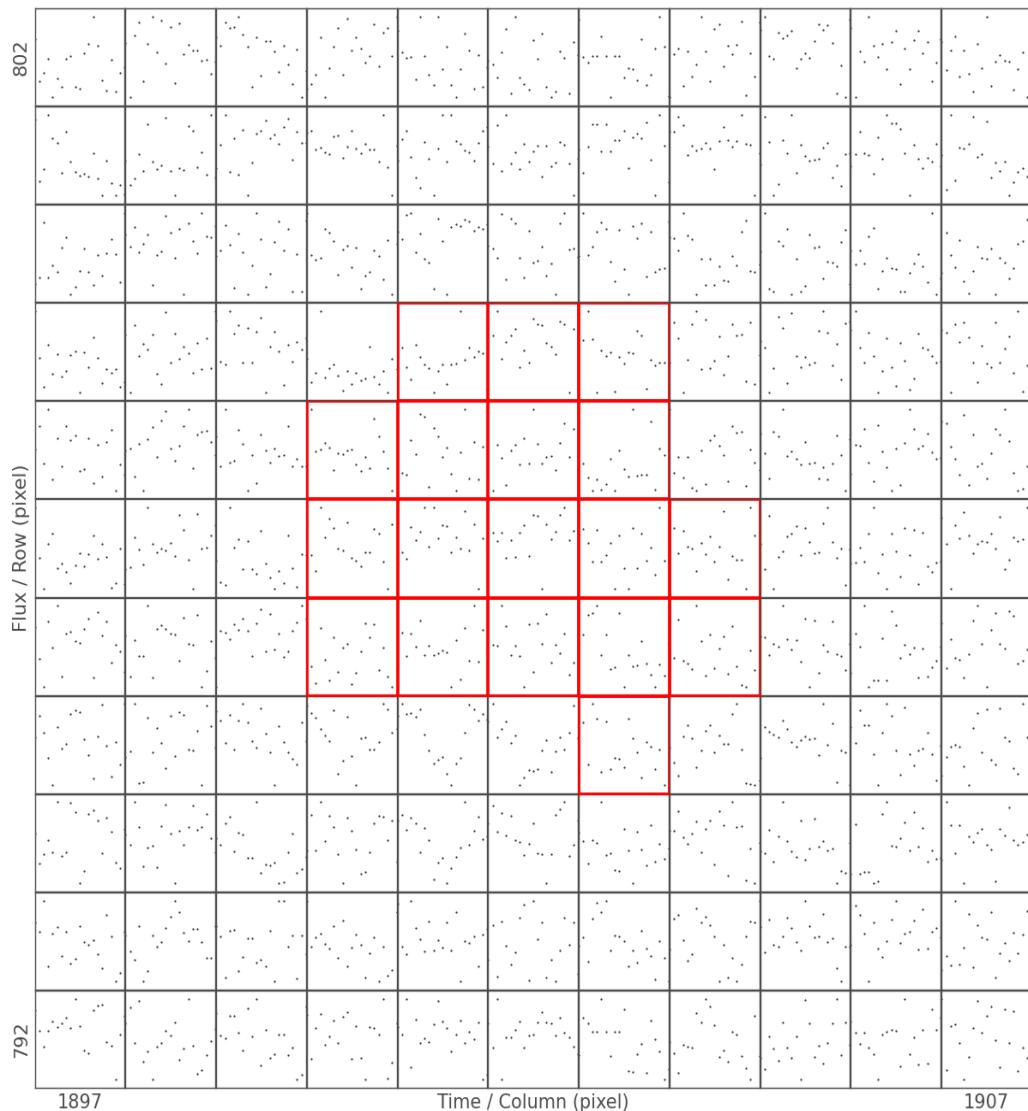
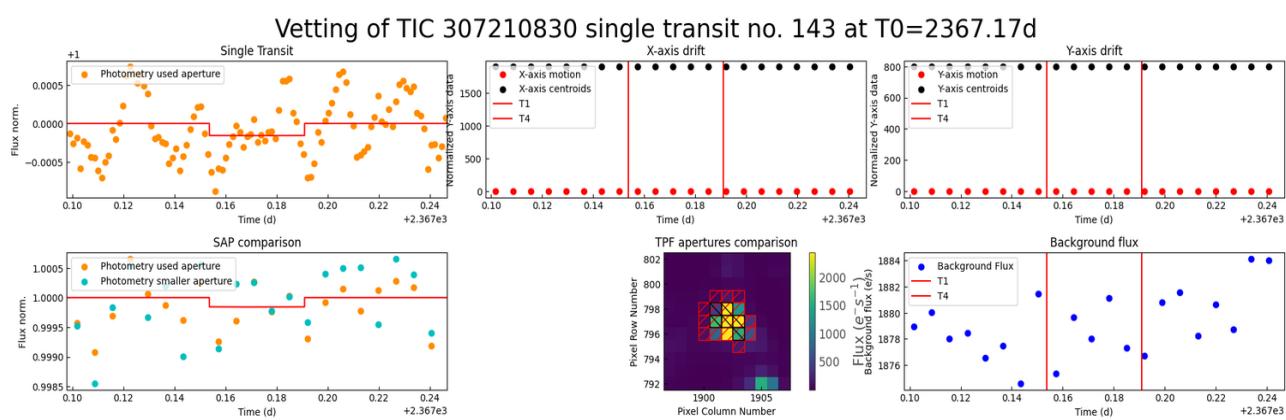


Figure 155: The single transit no. 142 vetting plots



Target ID: 307210830, 2367.10 - 2367.24 [BTJD days]

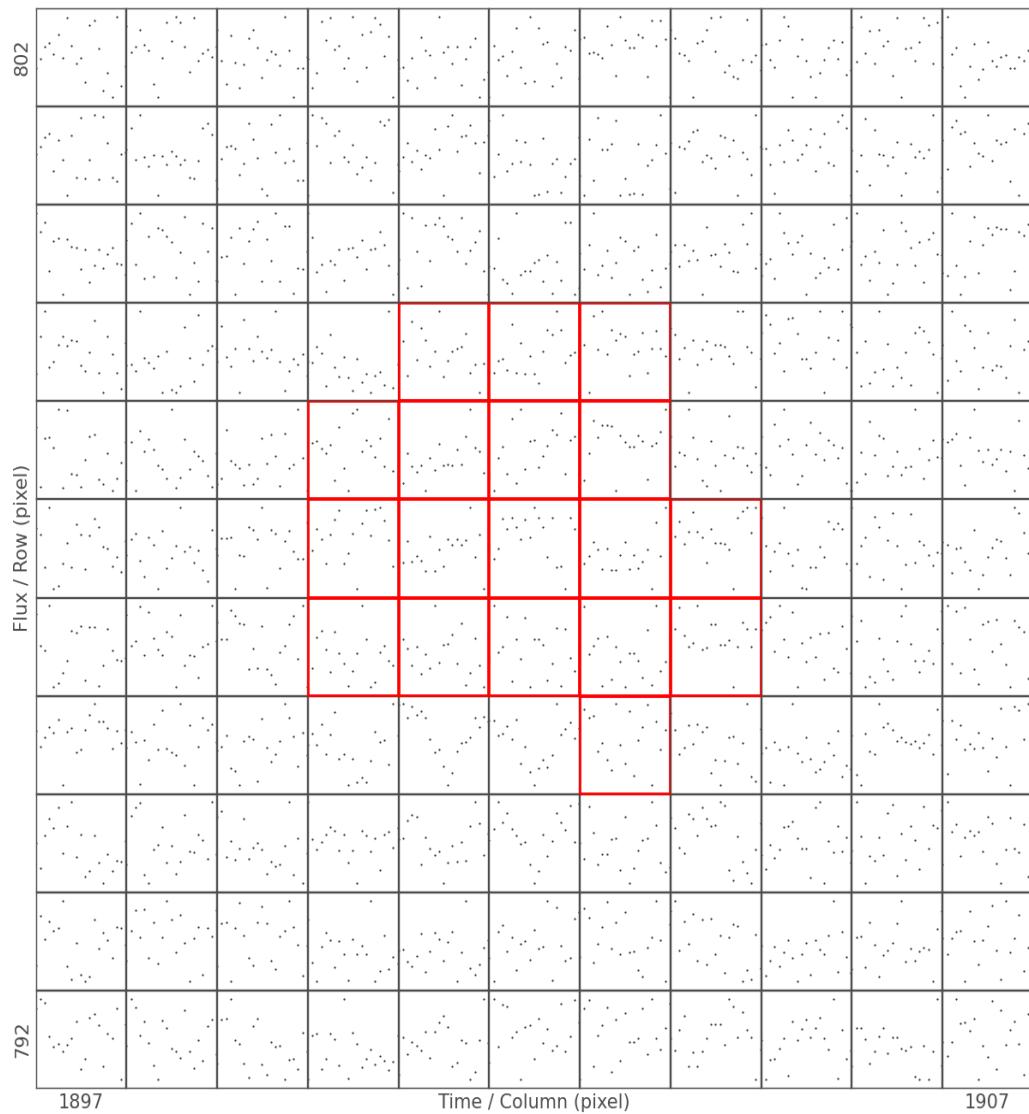
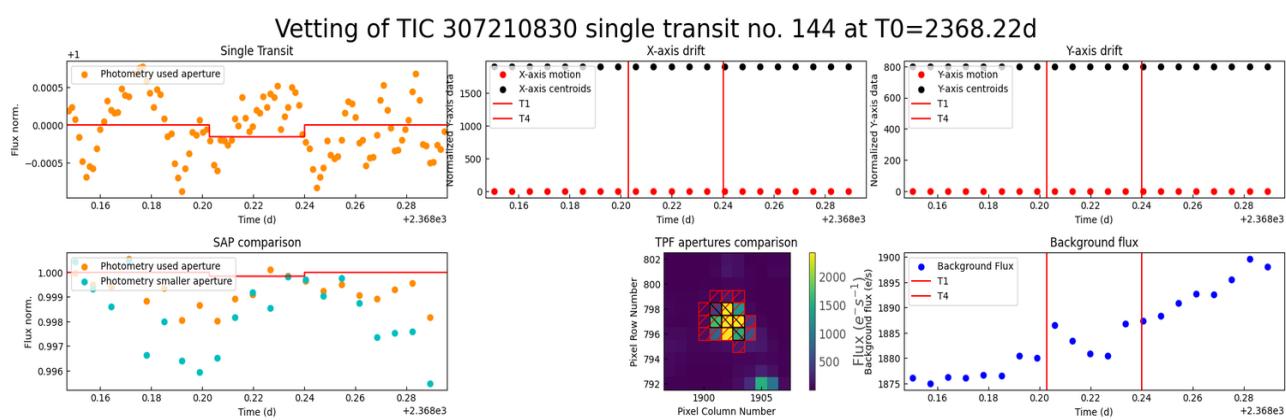


Figure 156: The single transit no. 143 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:53



Target ID: 307210830, 2368.15 - 2368.29 [BTJD days]

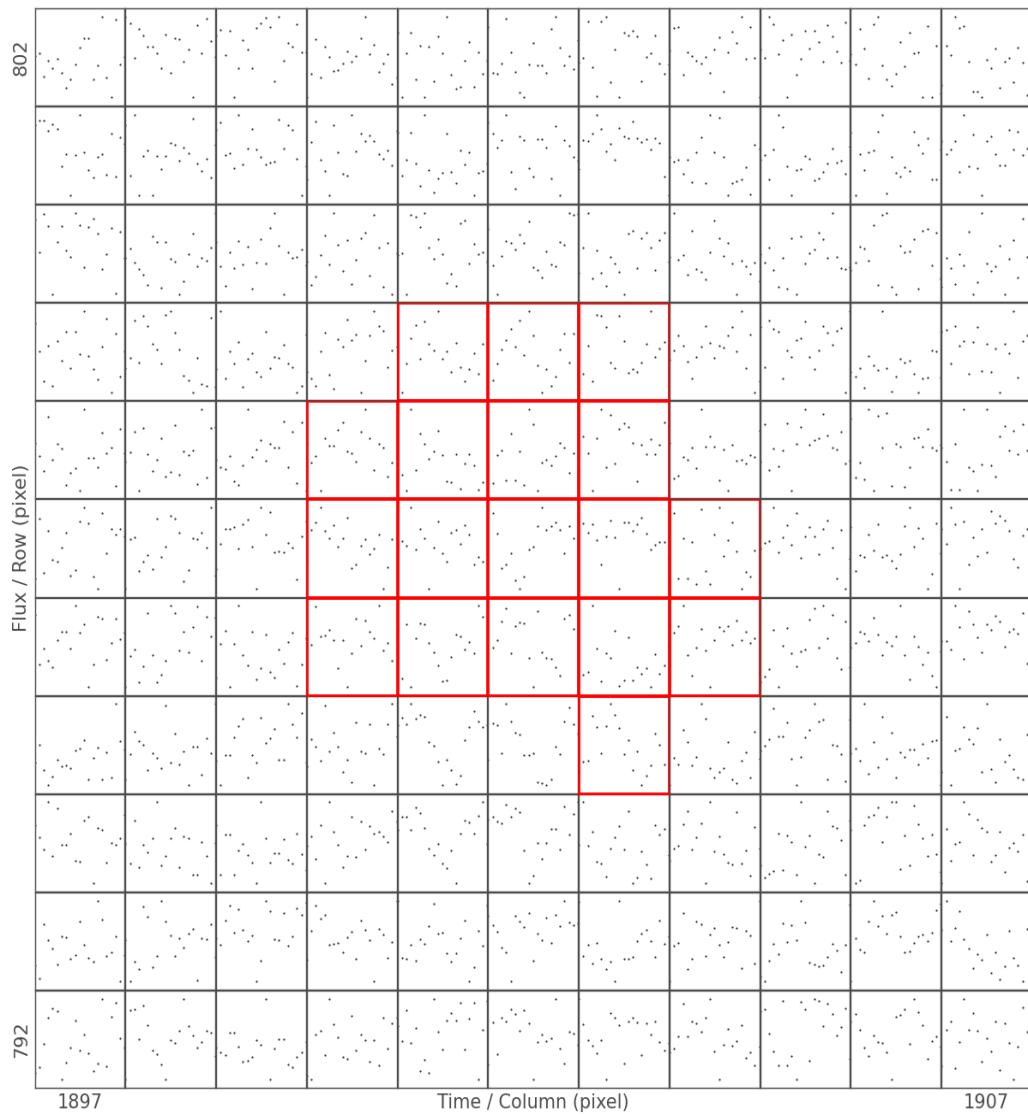
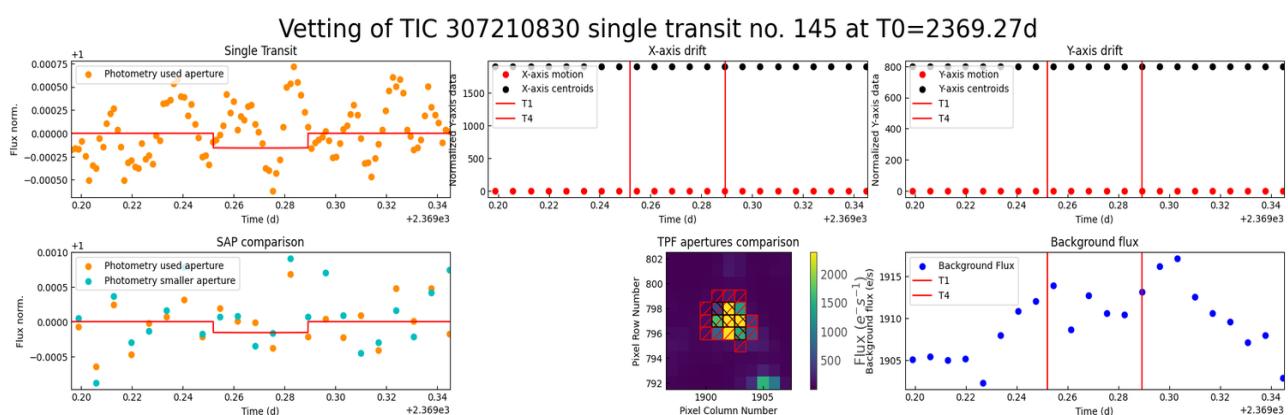


Figure 157: The single transit no. 144 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:54



Target ID: 307210830, 2369.20 - 2369.34 [BTJD days]

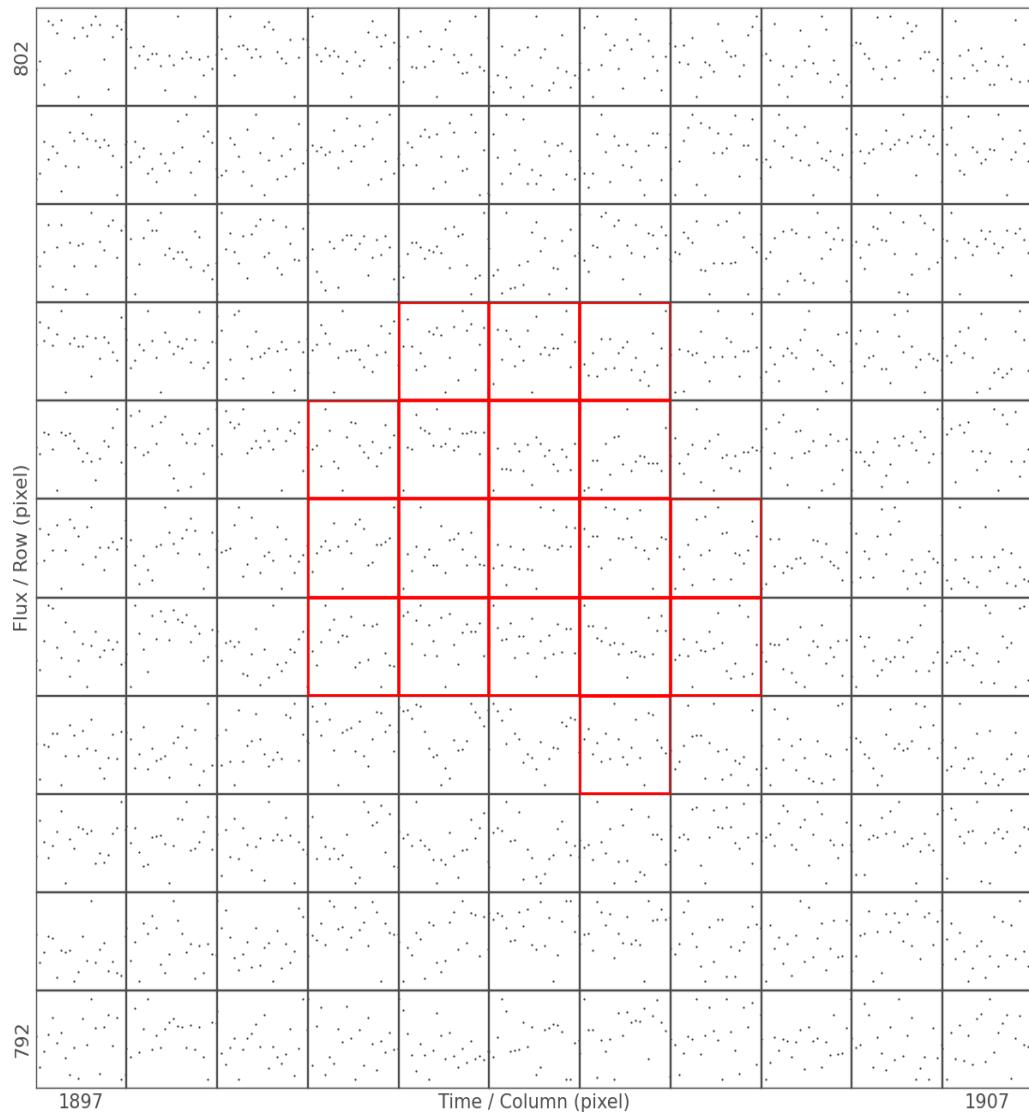


Figure 158: The single transit no. 145 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:54

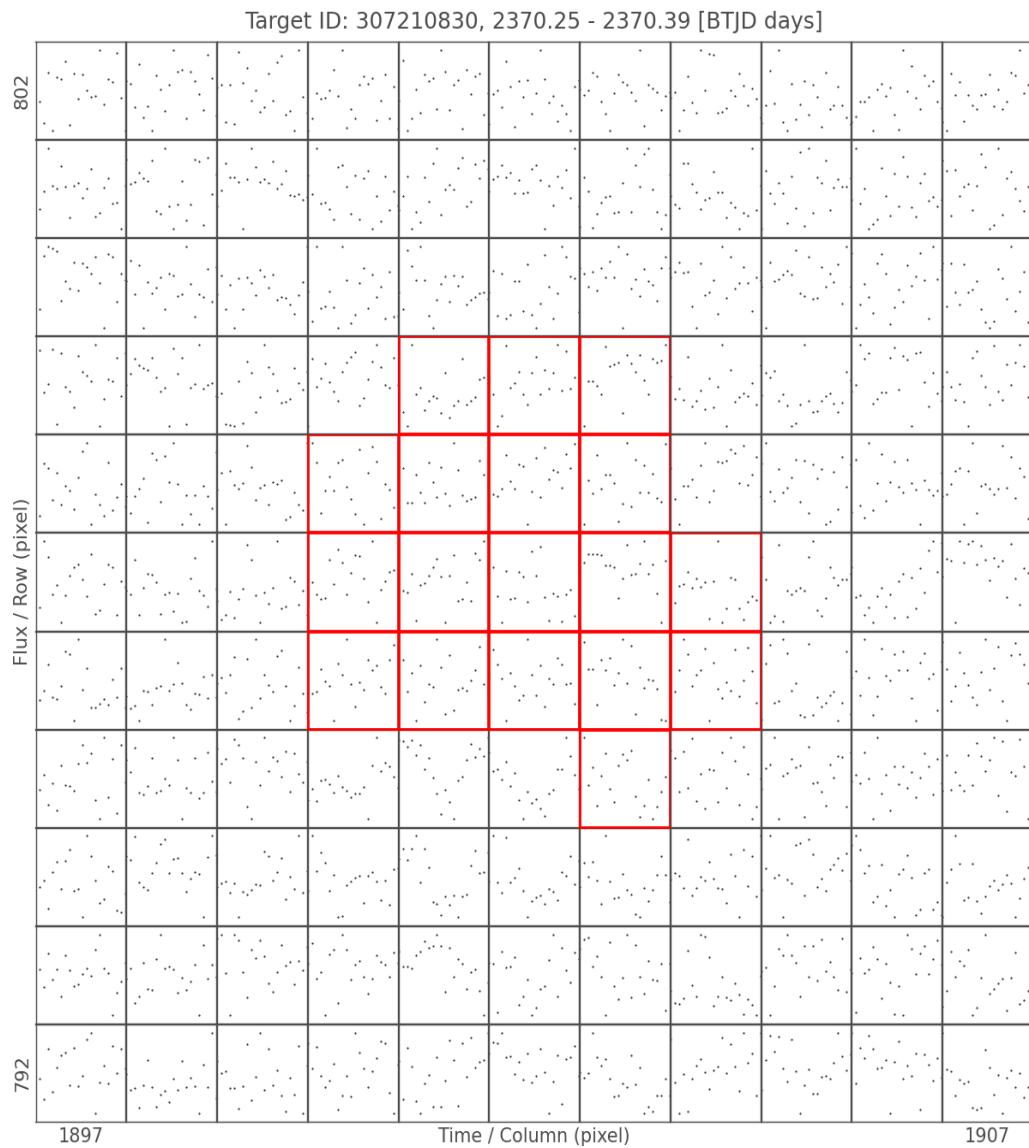
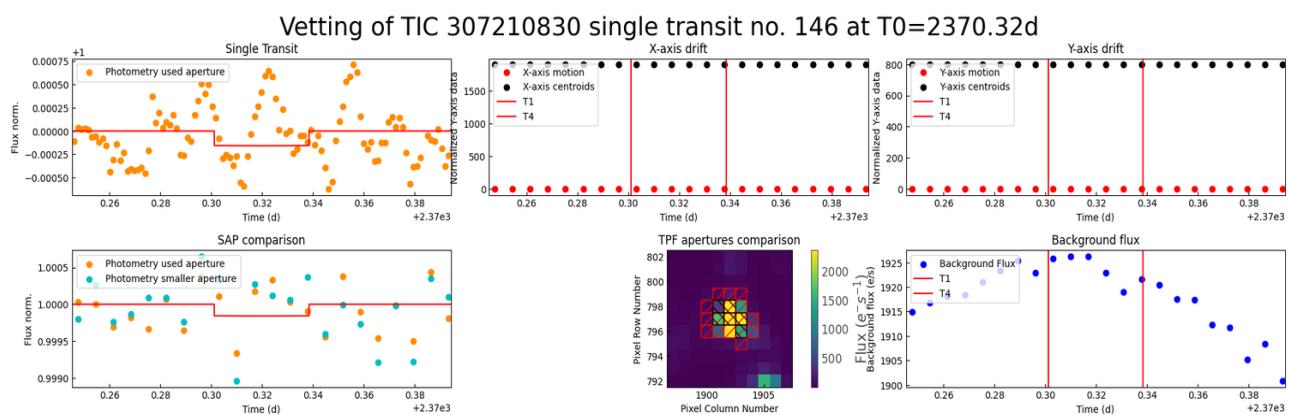
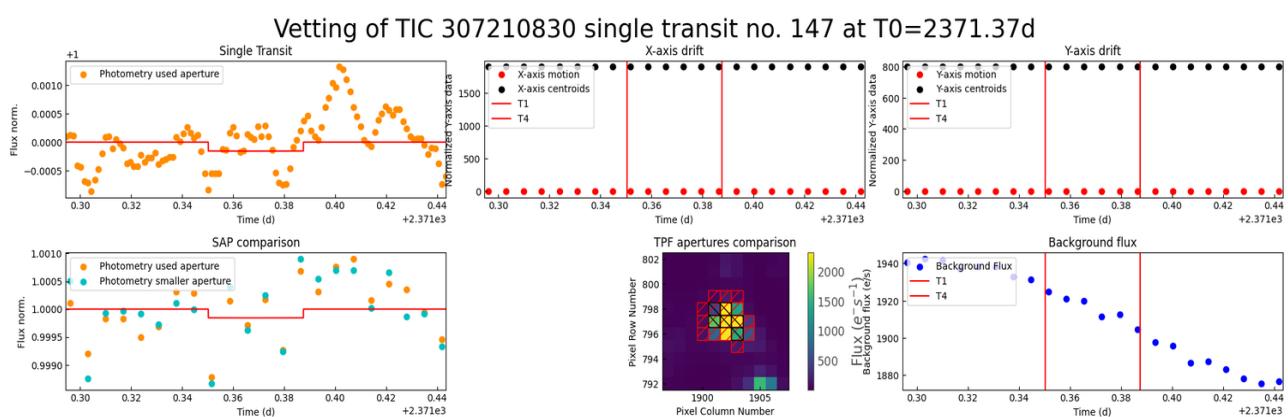


Figure 159: The single transit no. 146 vetting plots

WATSON Transits Validation Report: TIC 307210830



Target ID: 307210830, 2371.30 - 2371.44 [BTJD days]

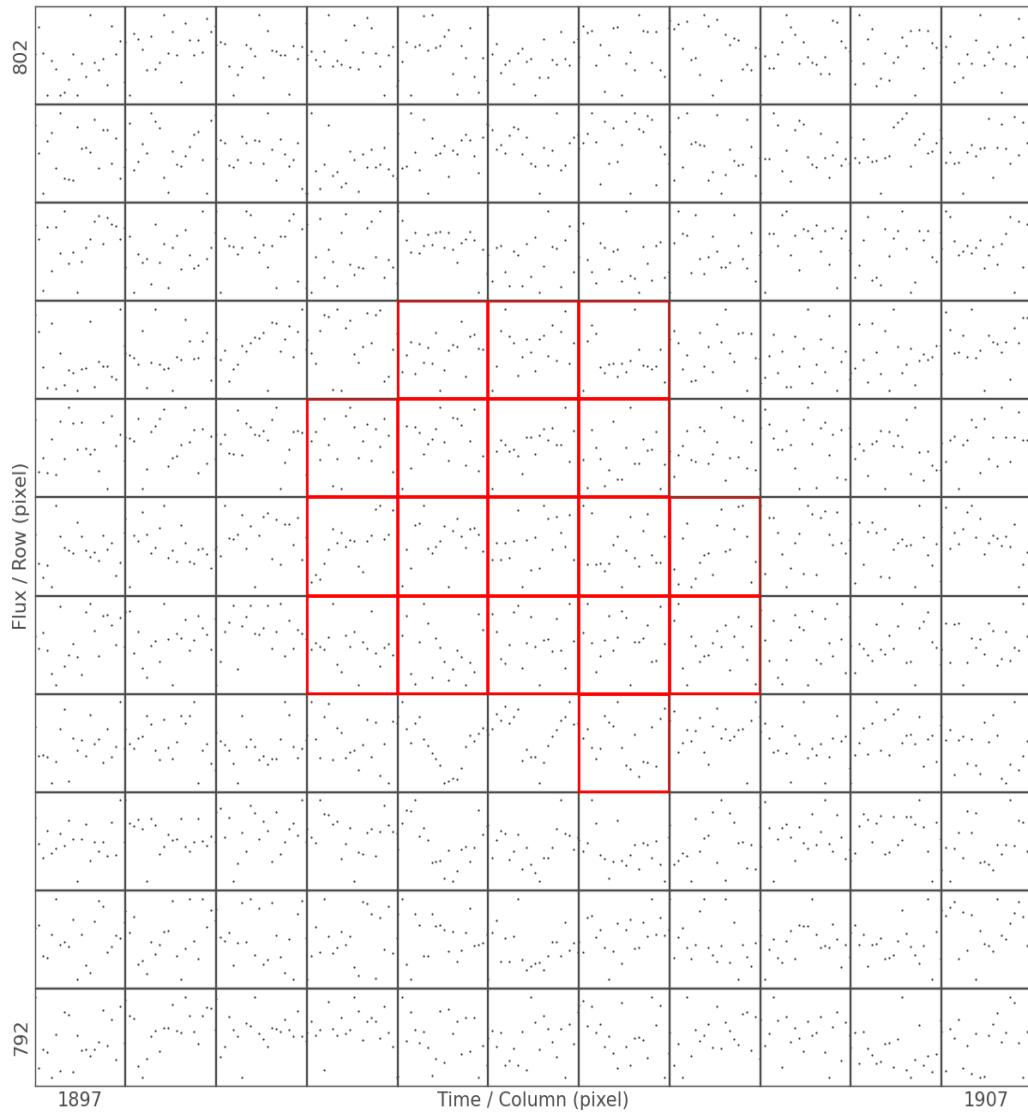


Figure 160: The single transit no. 147 vetting plots

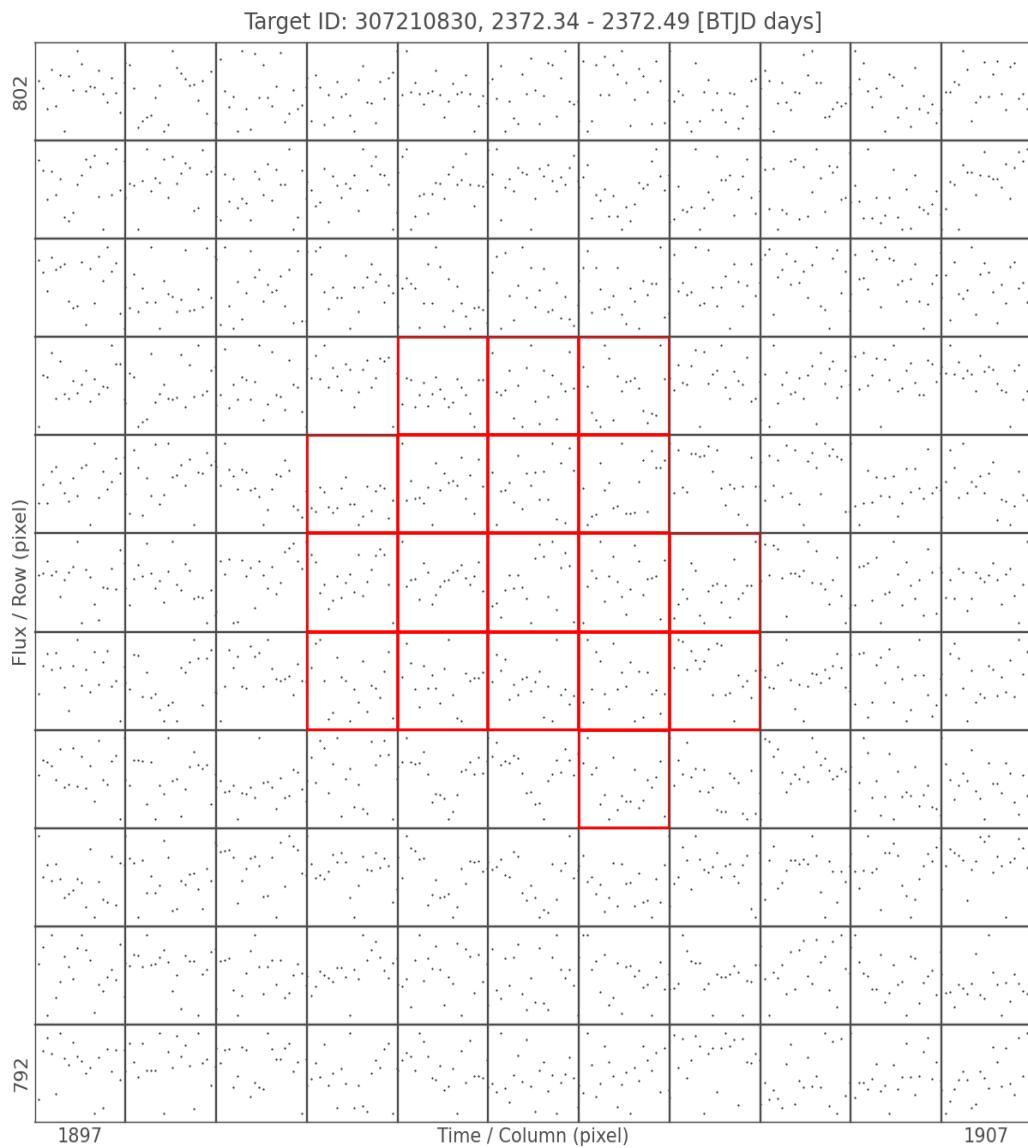
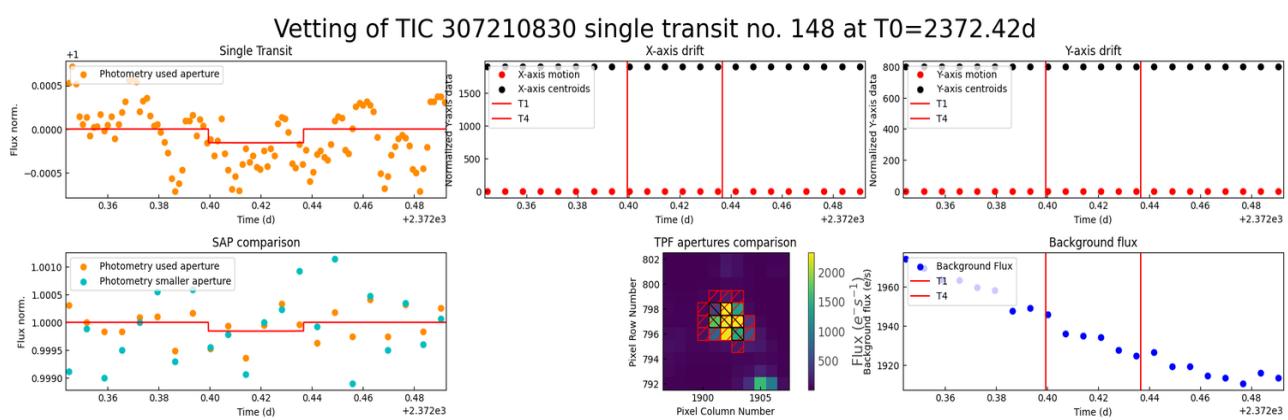


Figure 161: The single transit no. 148 vetting plots

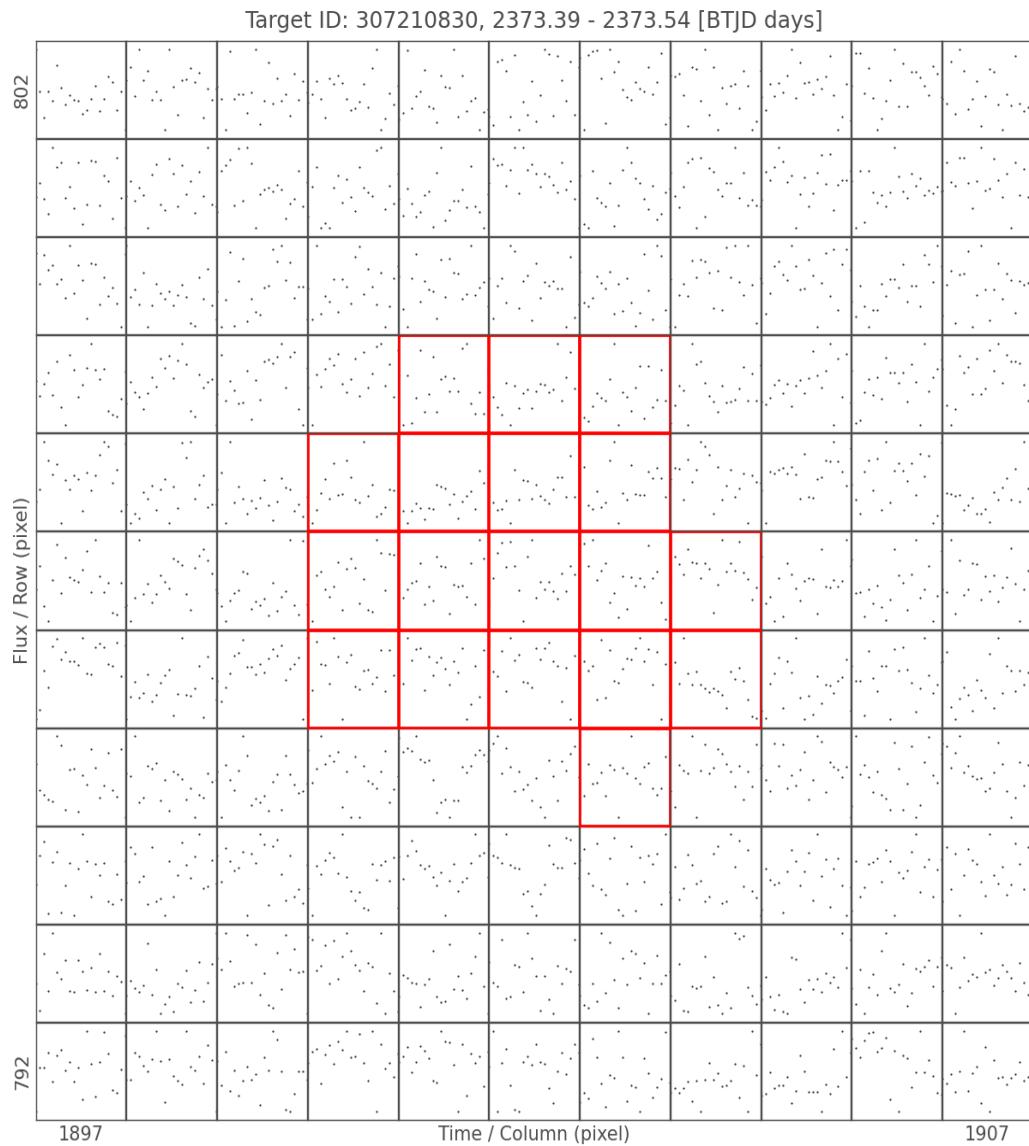
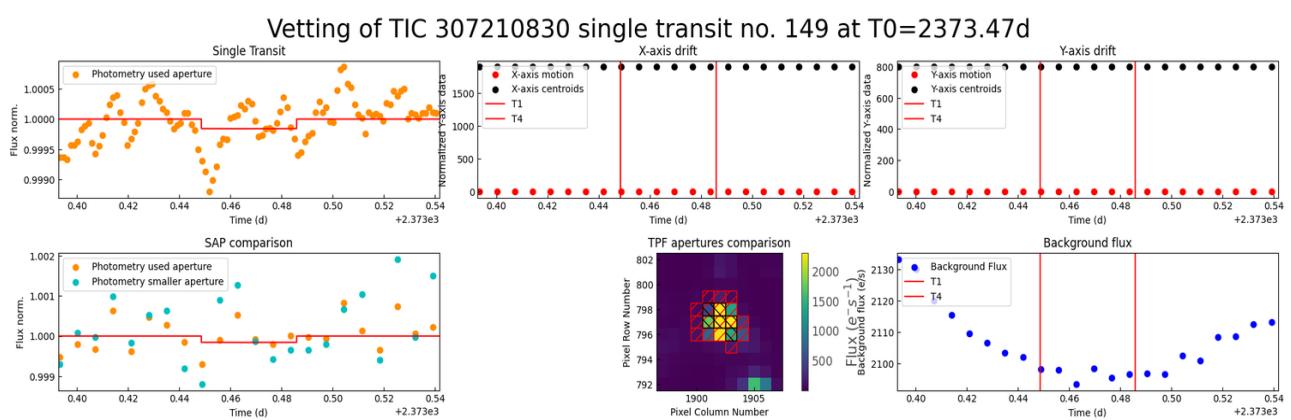


Figure 162: The single transit no. 149 vetting plots

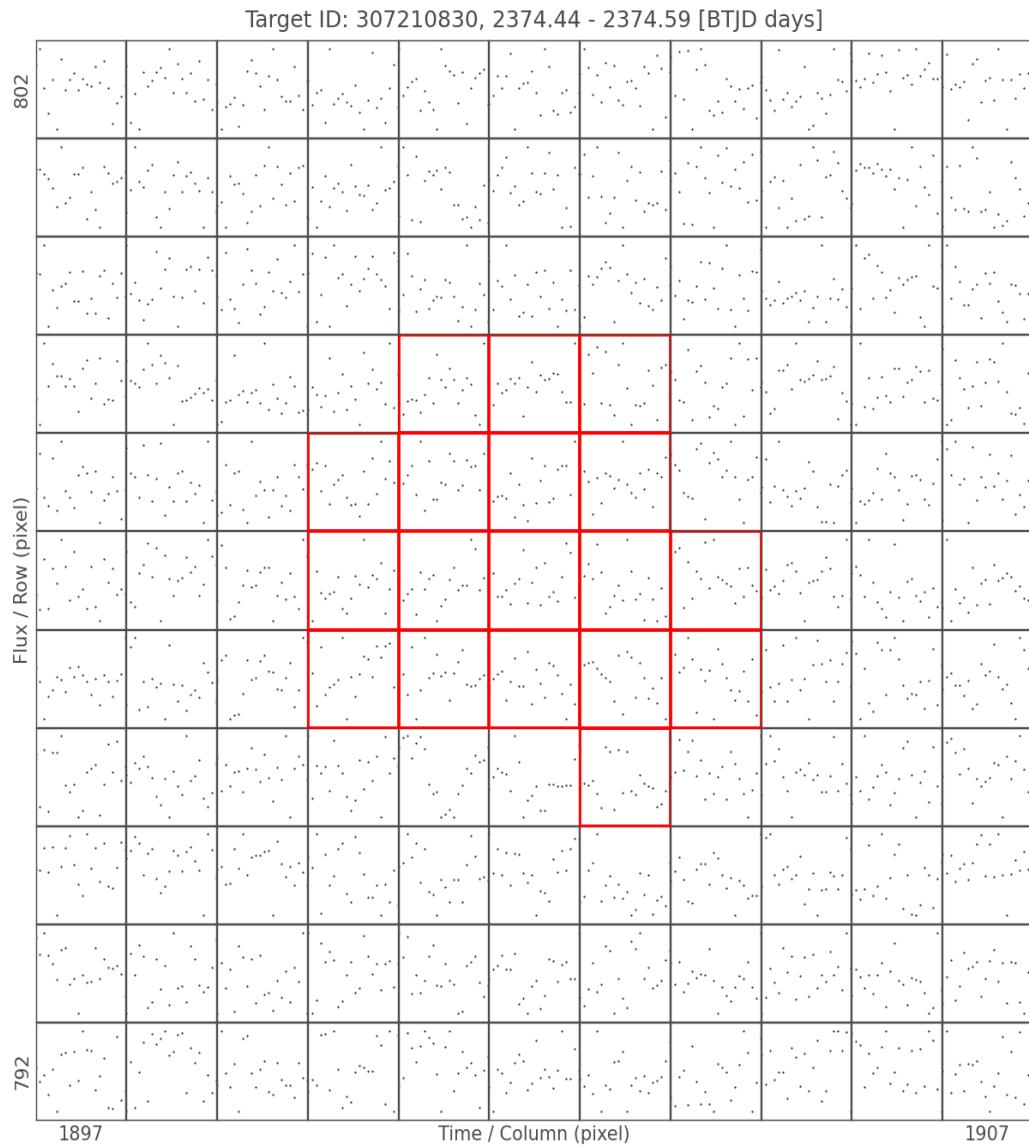
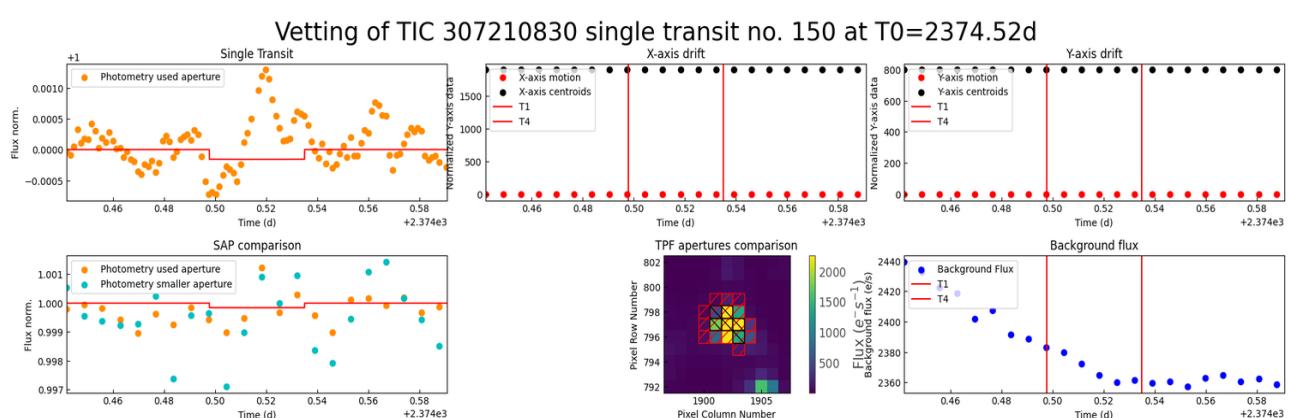
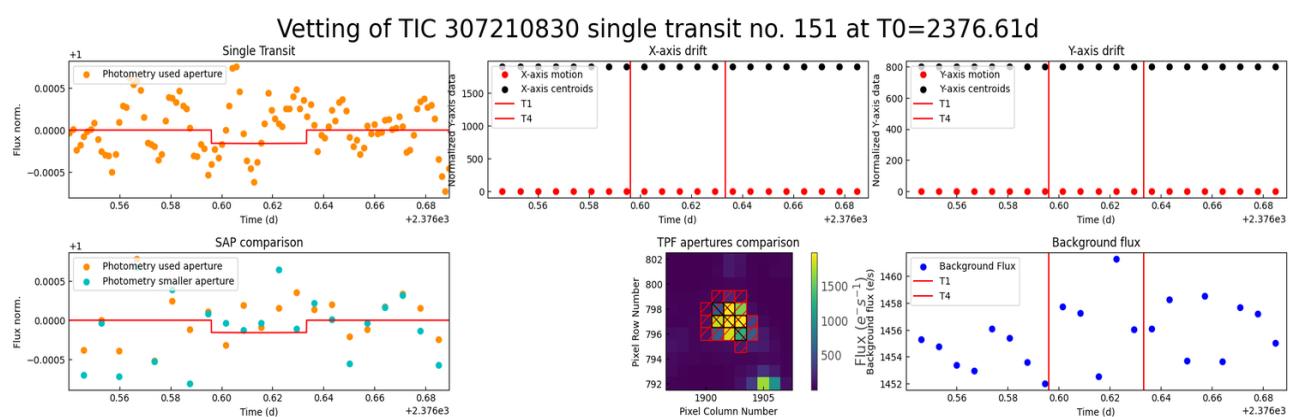


Figure 163: The single transit no. 150 vetting plots



Target ID: 307210830, 2376.55 - 2376.68 [BTJD days]

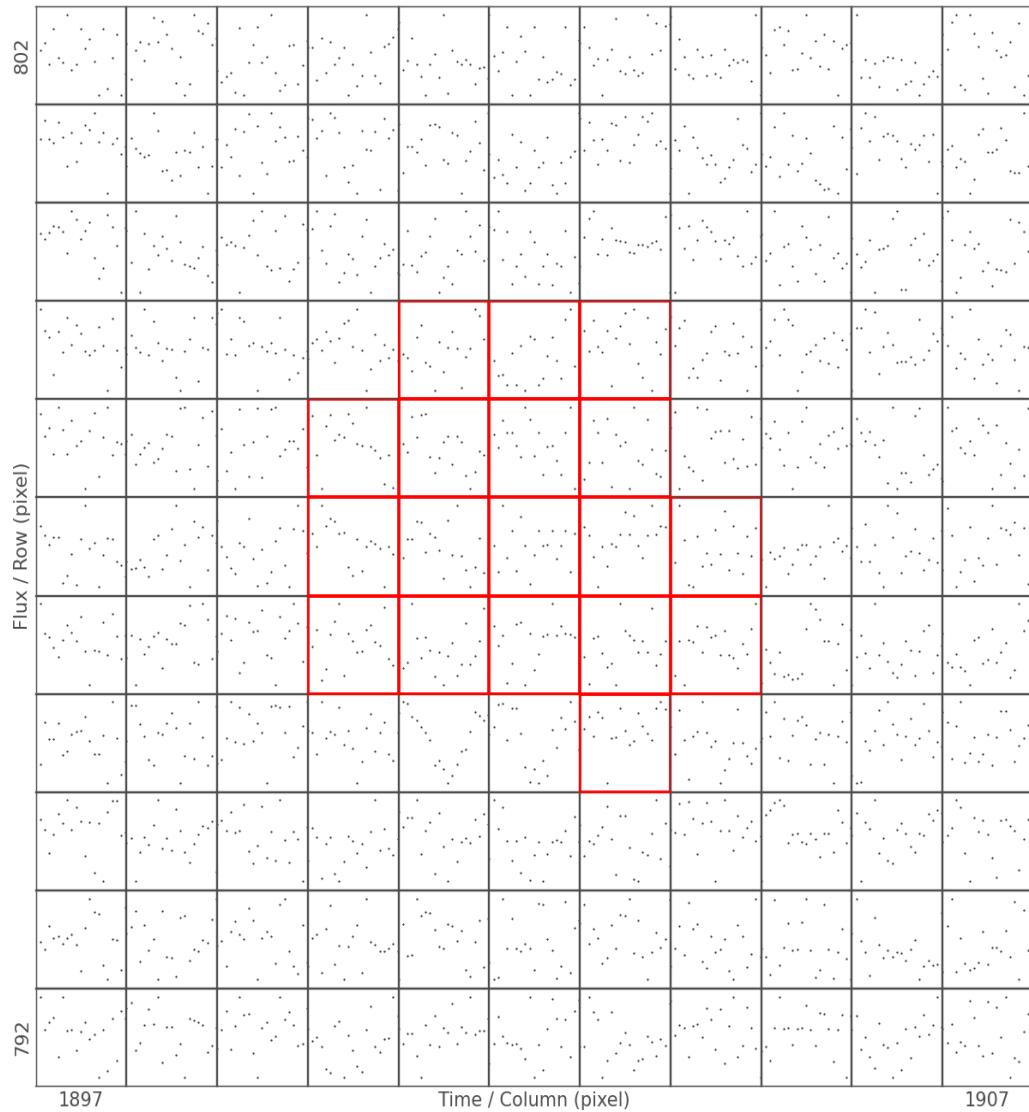


Figure 164: The single transit no. 151 vetting plots

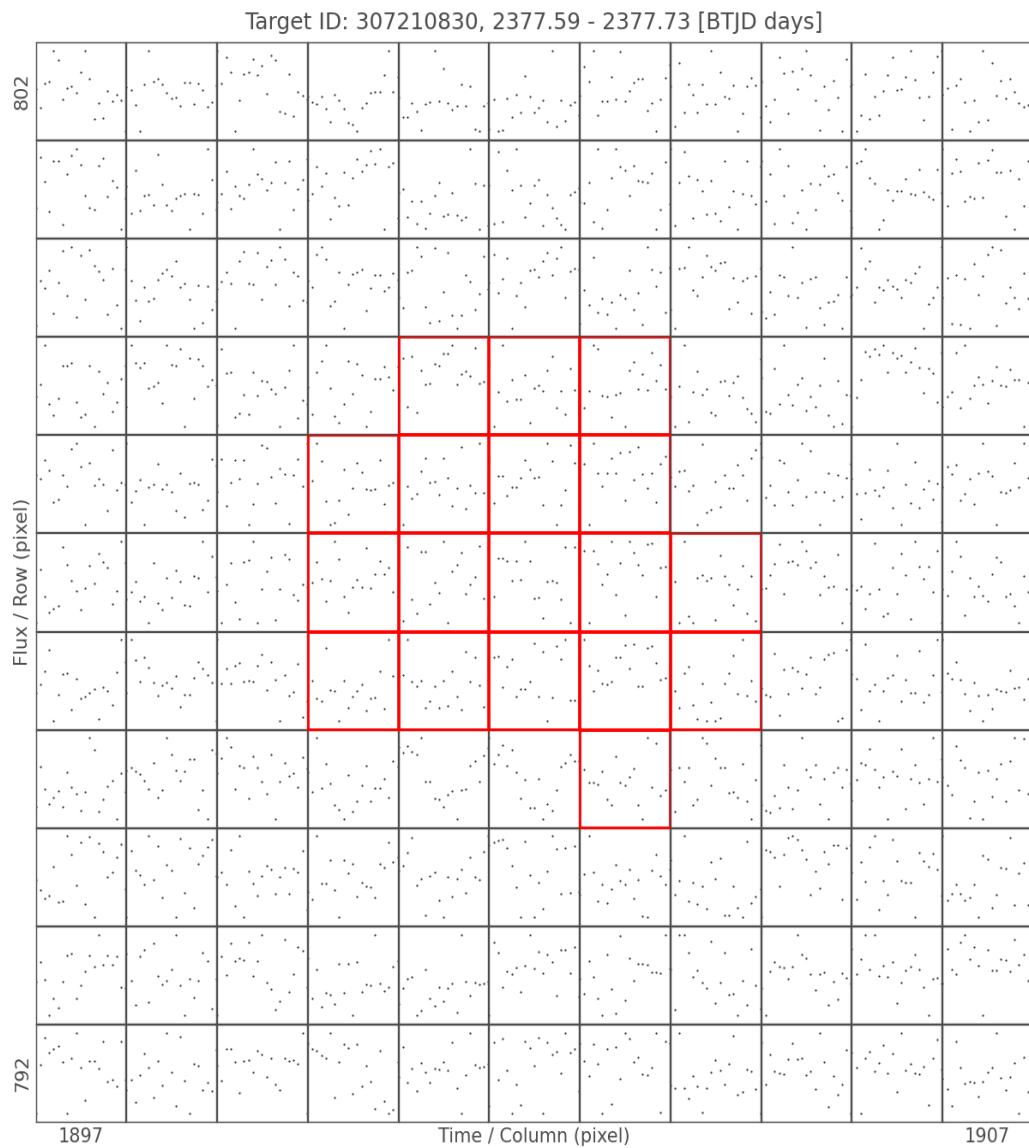
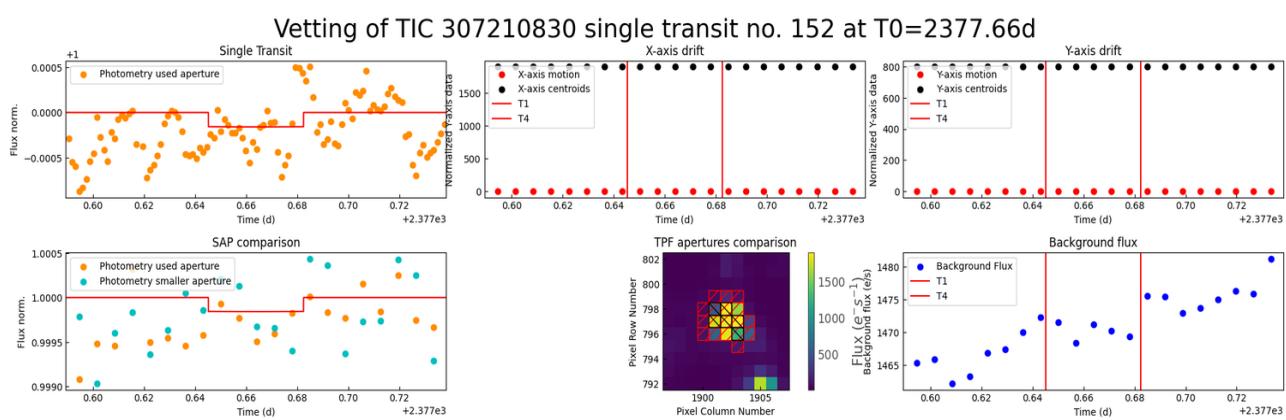


Figure 165: The single transit no. 152 vetting plots

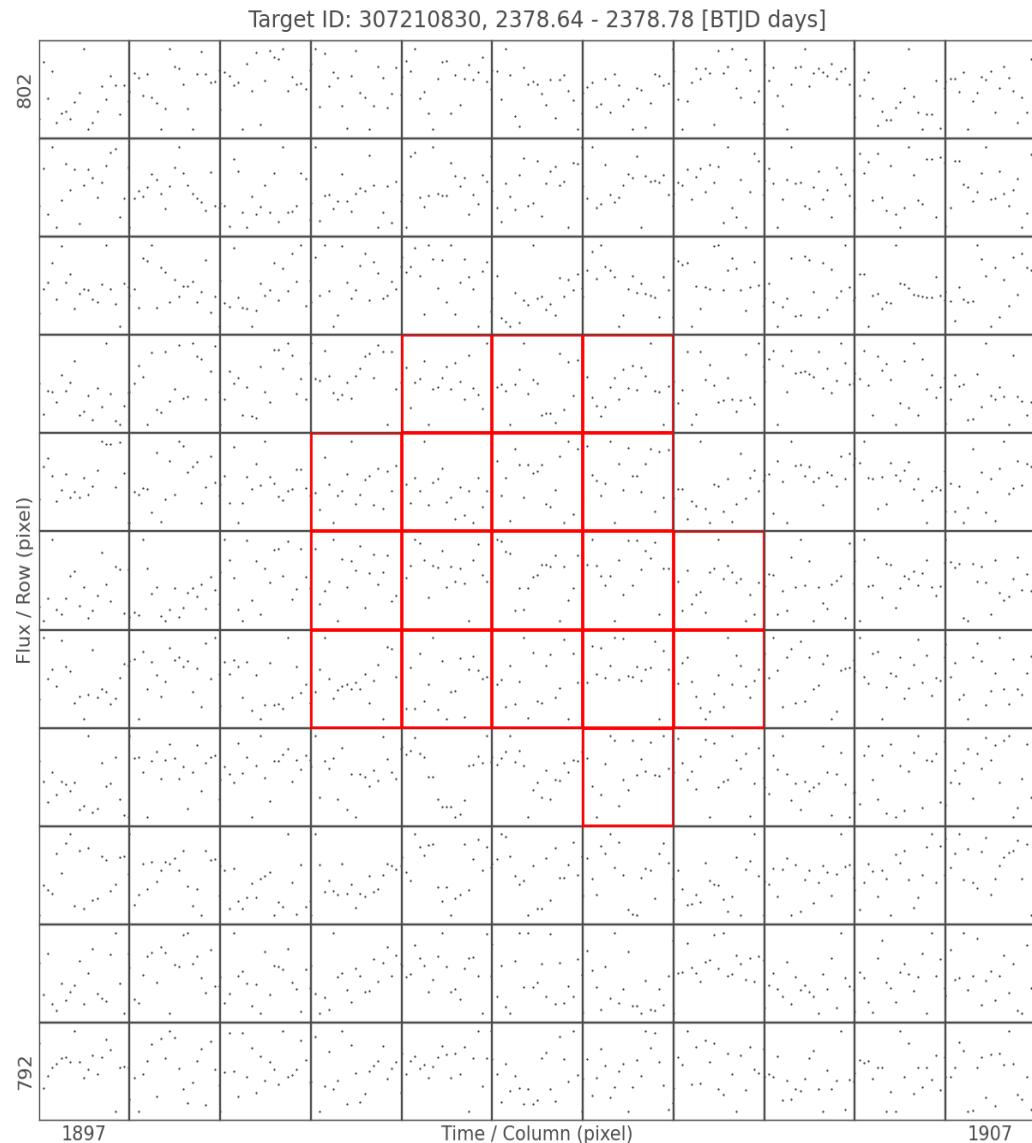
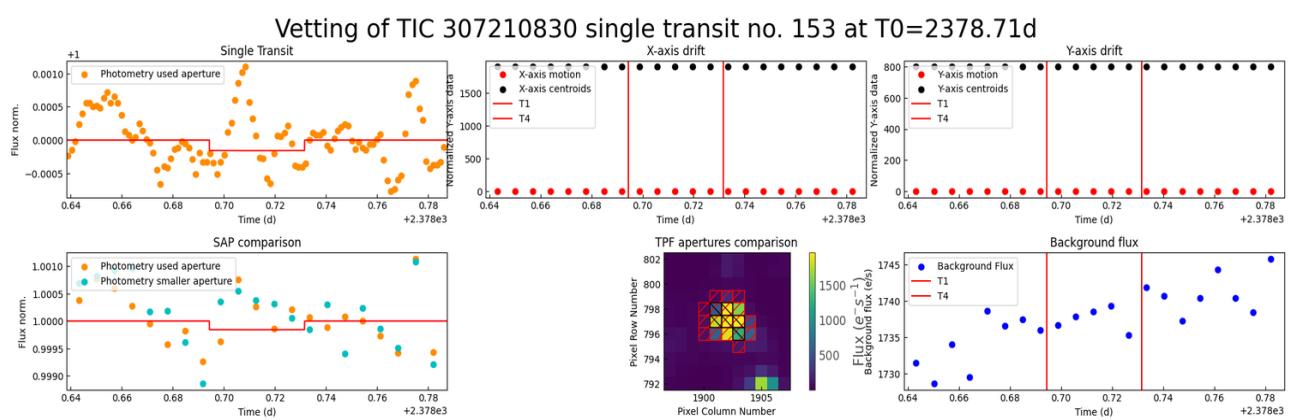


Figure 166: The single transit no. 153 vetting plots

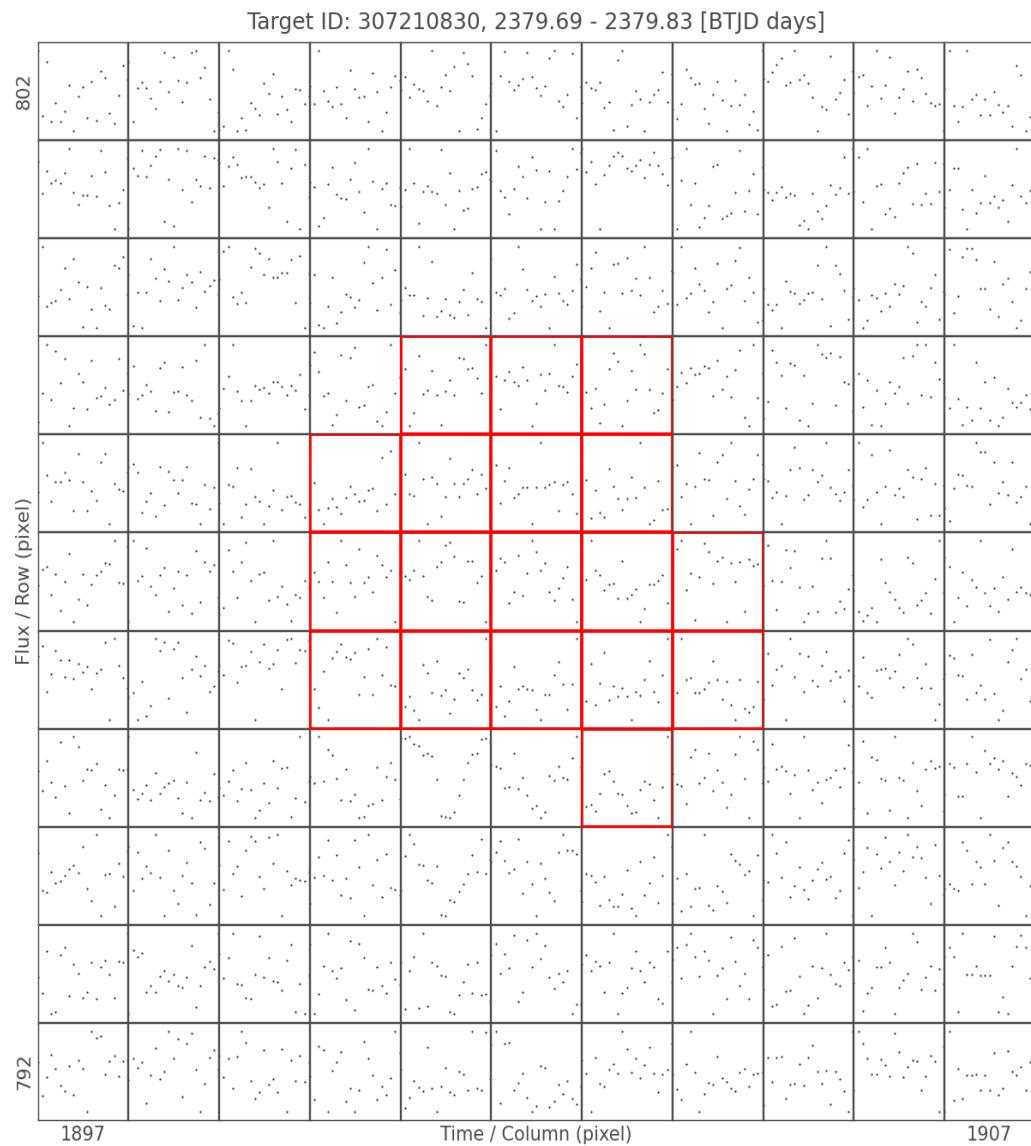
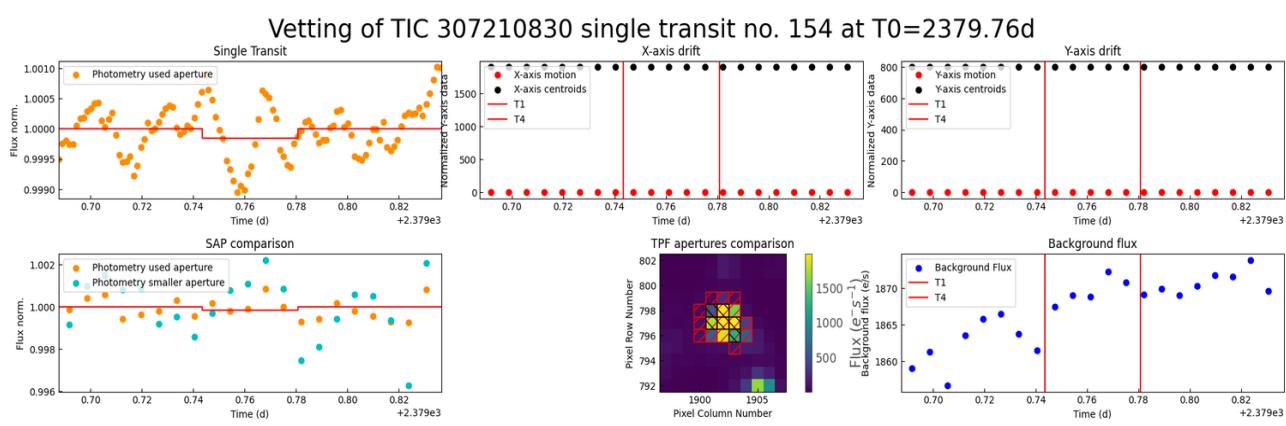


Figure 167: The single transit no. 154 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:56

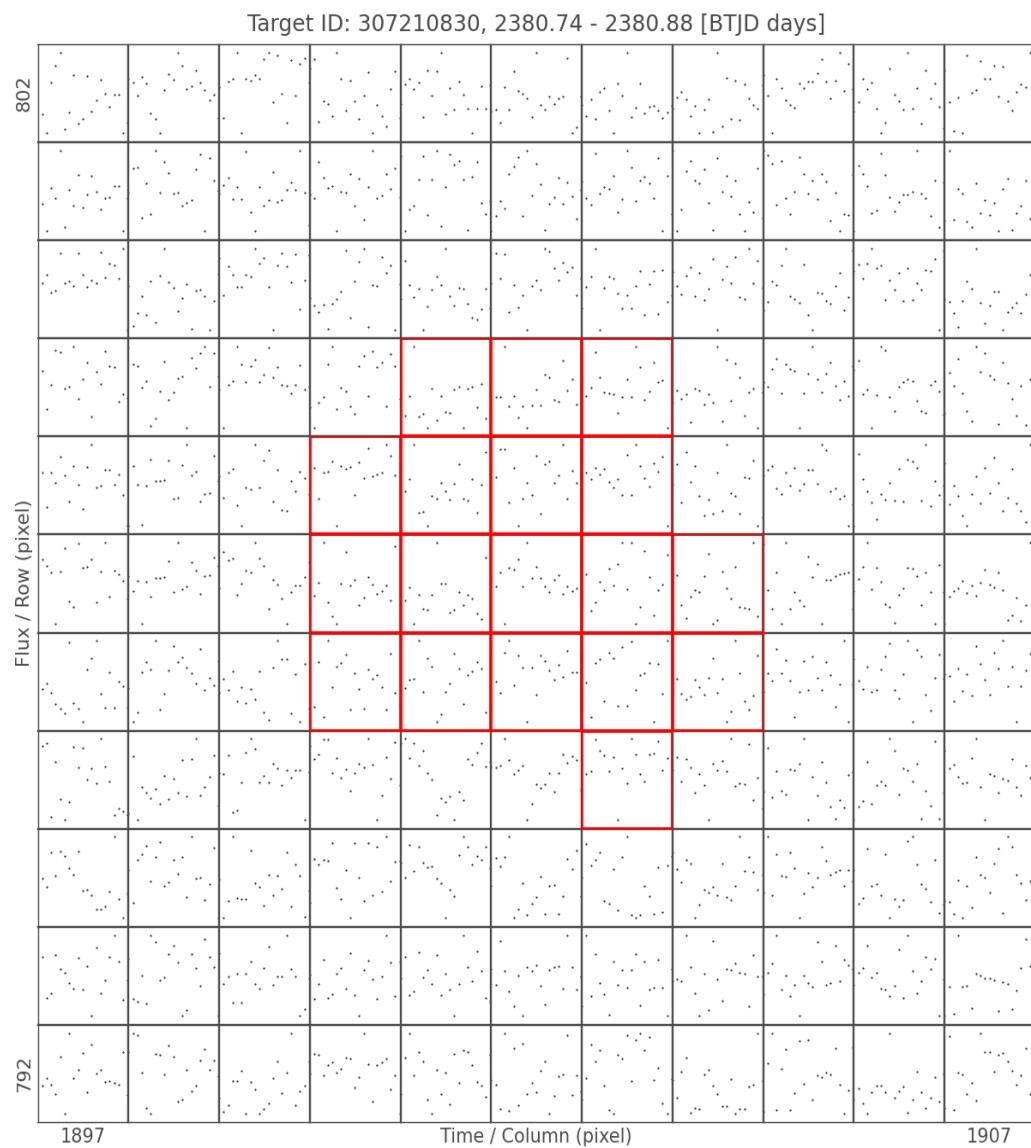
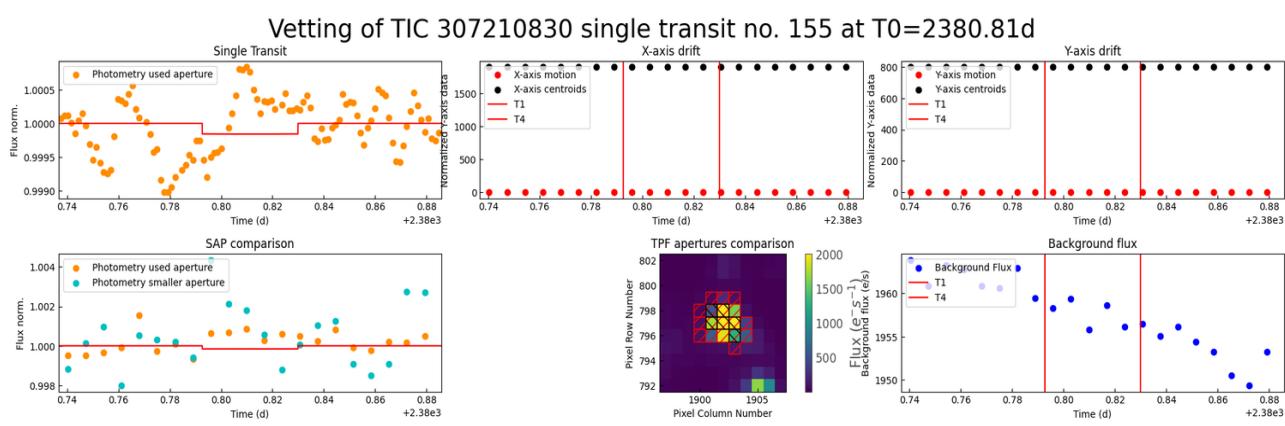


Figure 168: The single transit no. 155 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:56

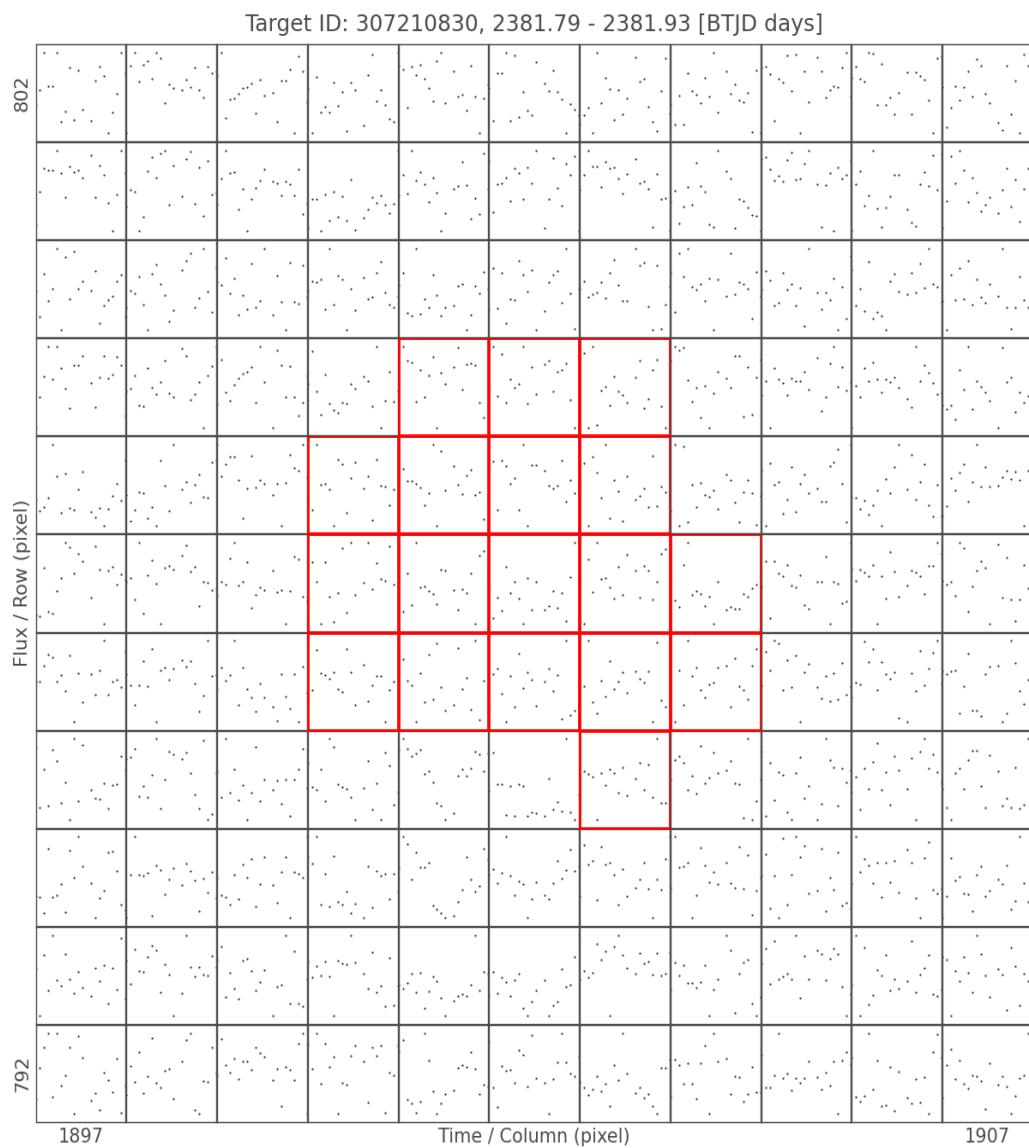
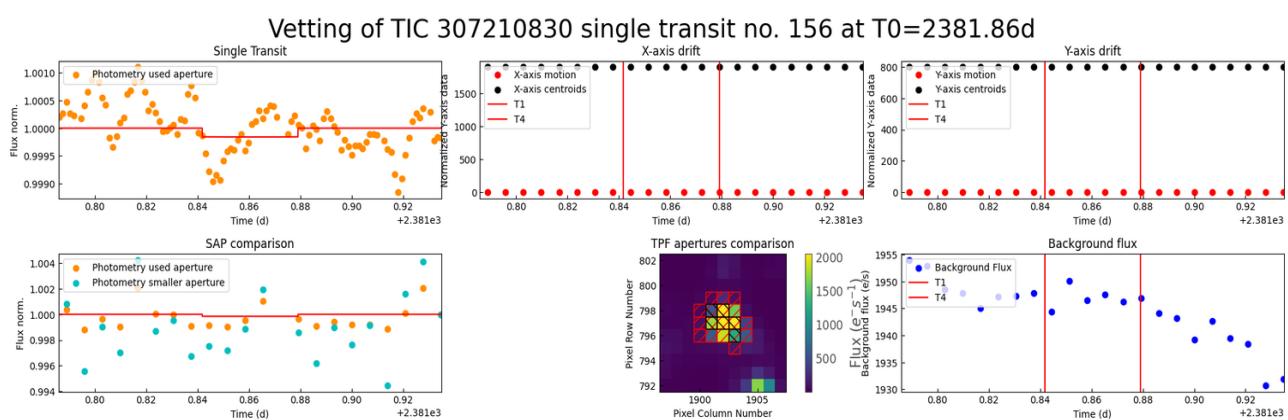


Figure 169: The single transit no. 156 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:56

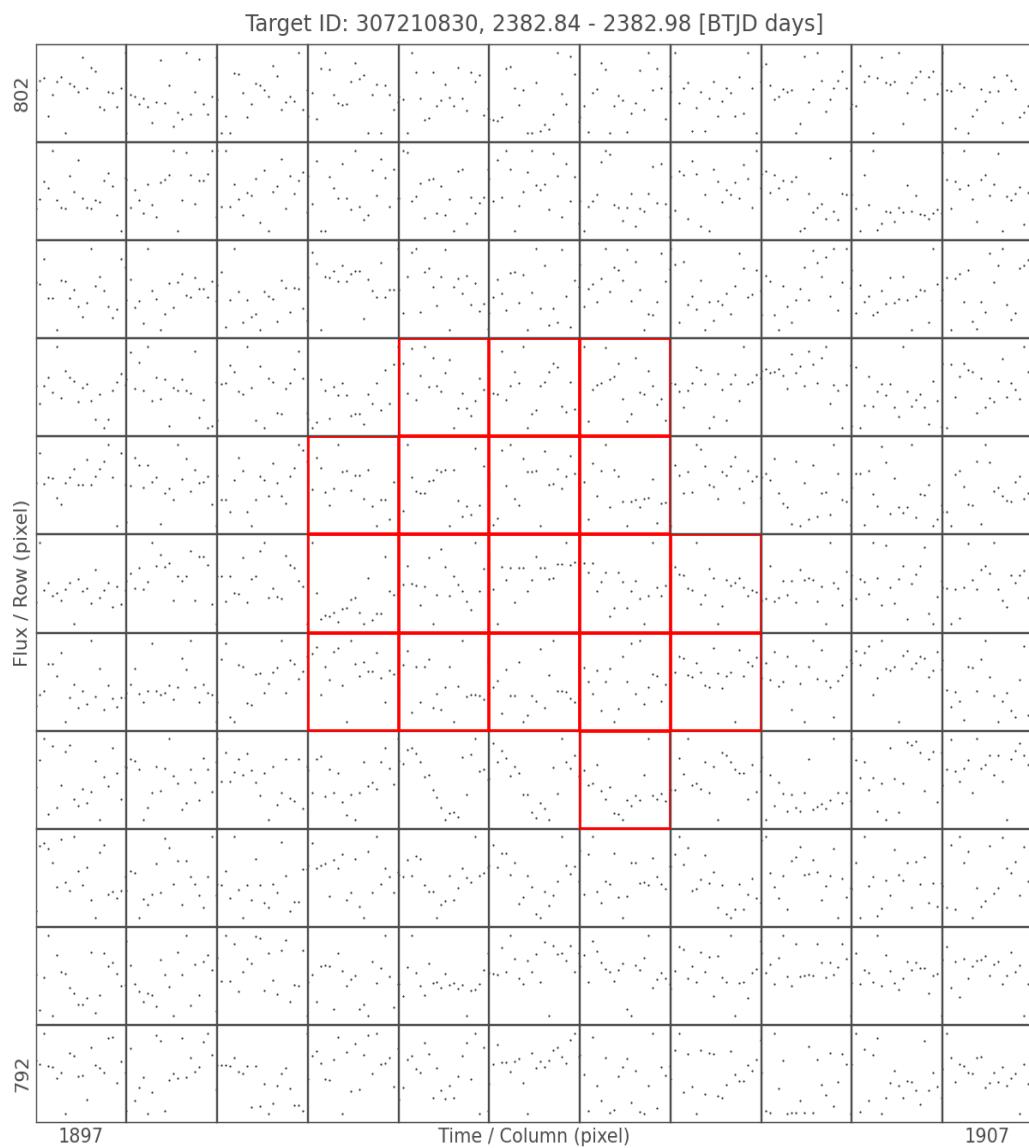
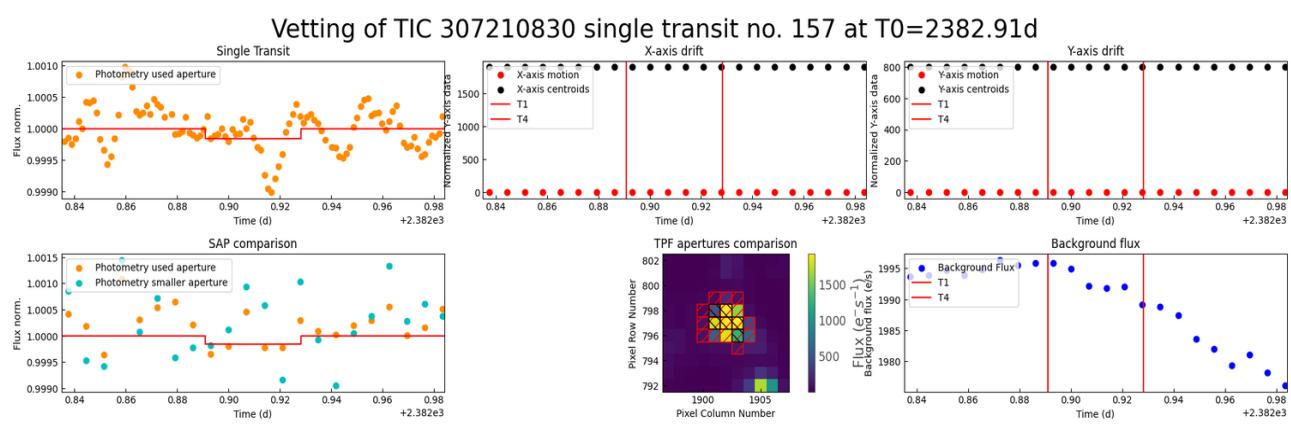


Figure 170: The single transit no. 157 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:56

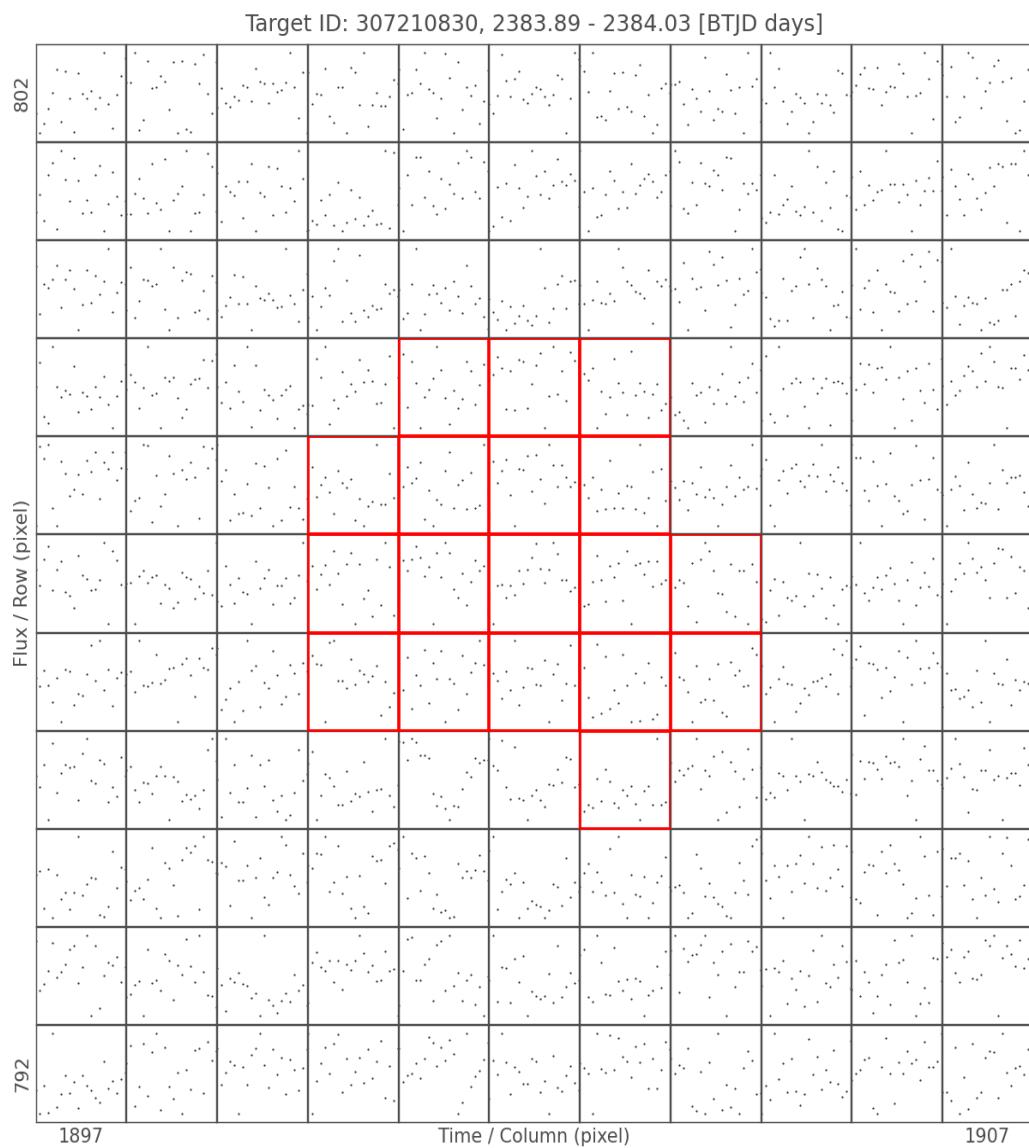
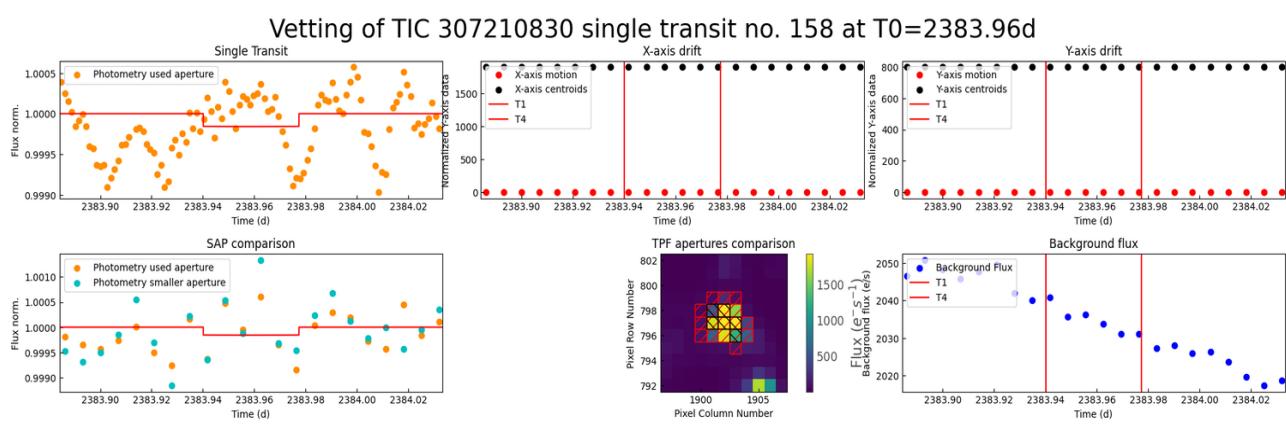


Figure 171: The single transit no. 158 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:57

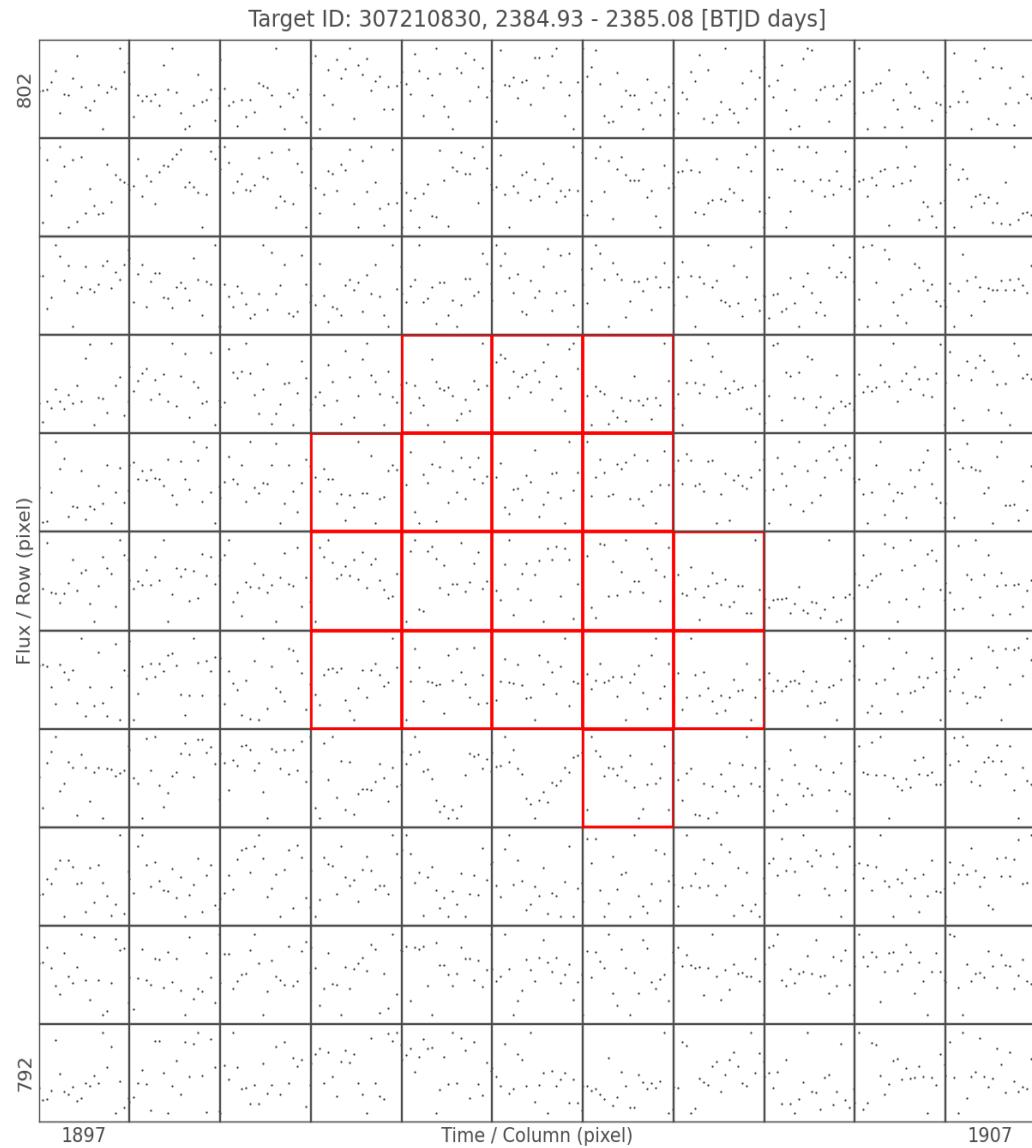
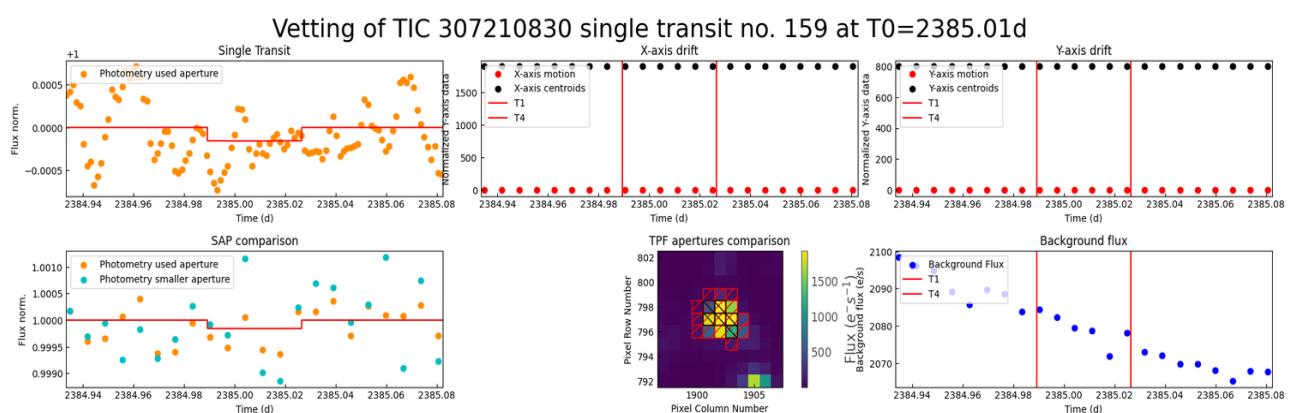


Figure 172: The single transit no. 159 vetting plots

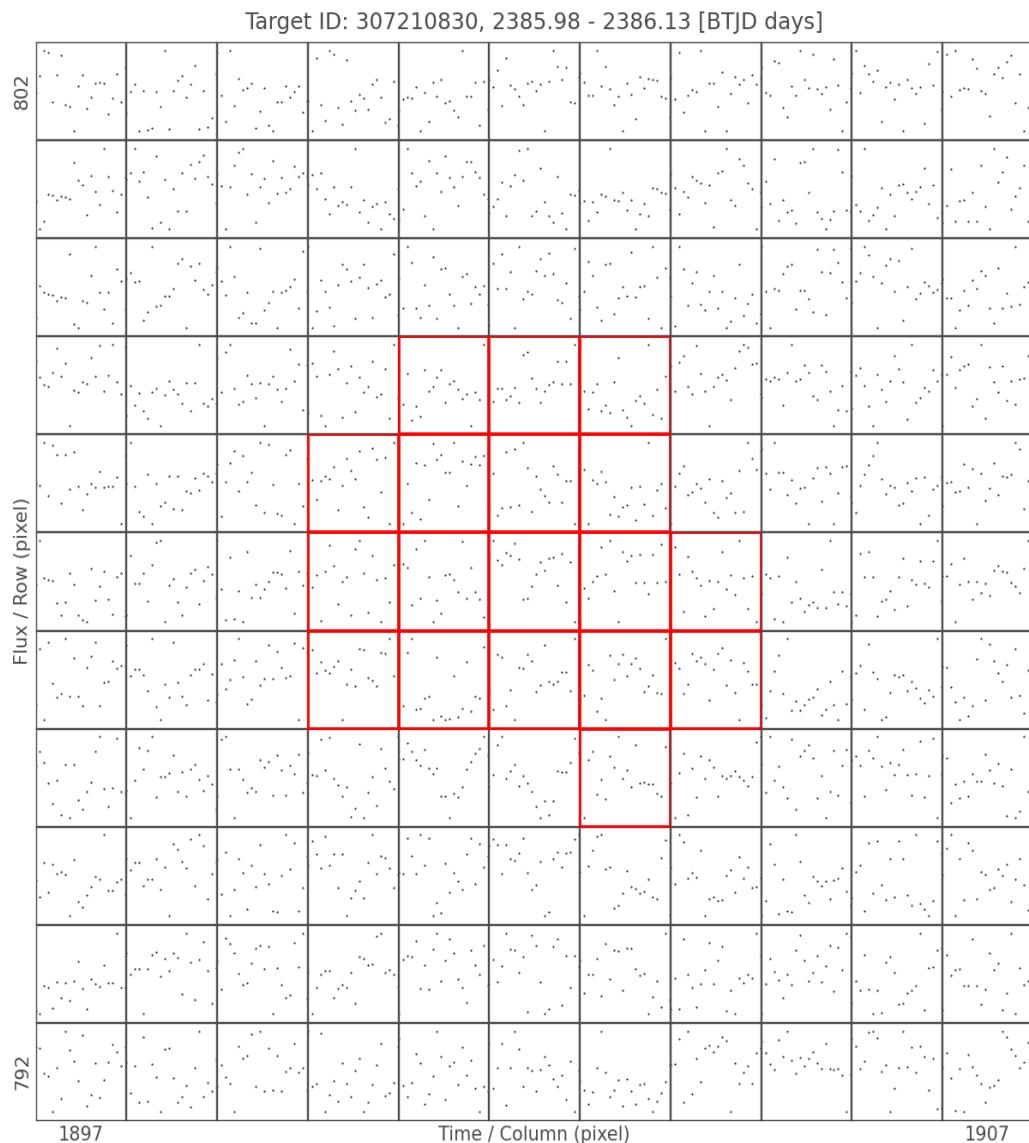
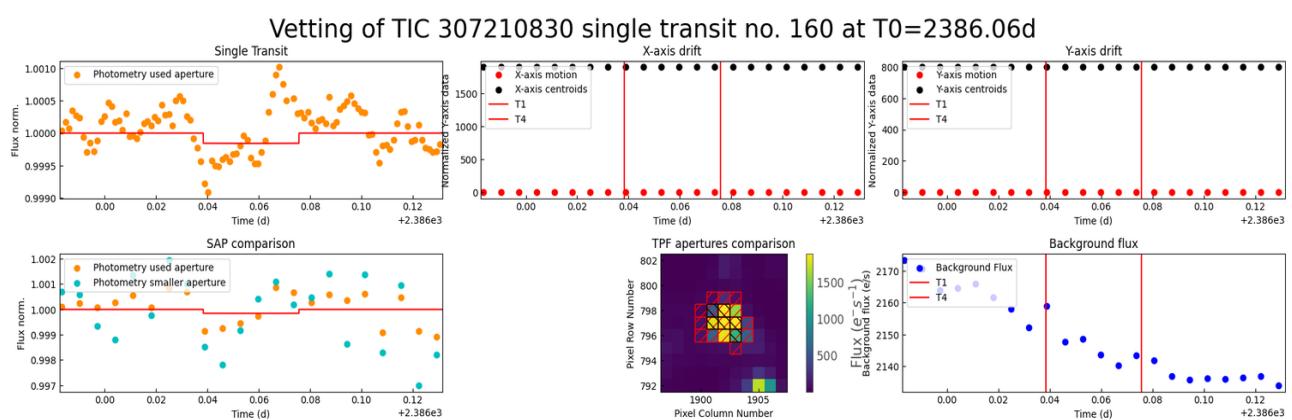


Figure 173: The single transit no. 160 vetting plots



WATSON Transits Validation Report: TIC 307210830

Thu, 18 May 2023, 20:43:57

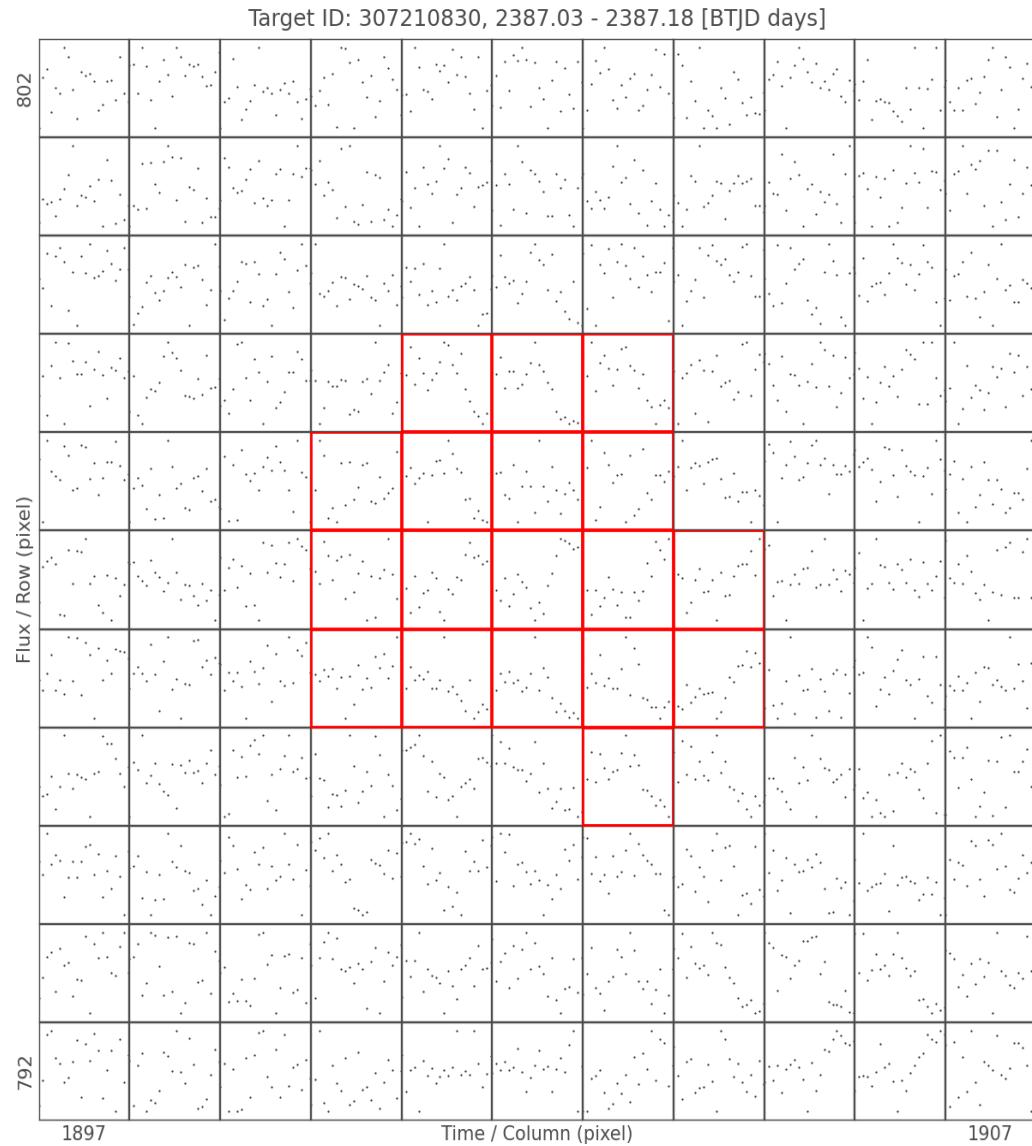
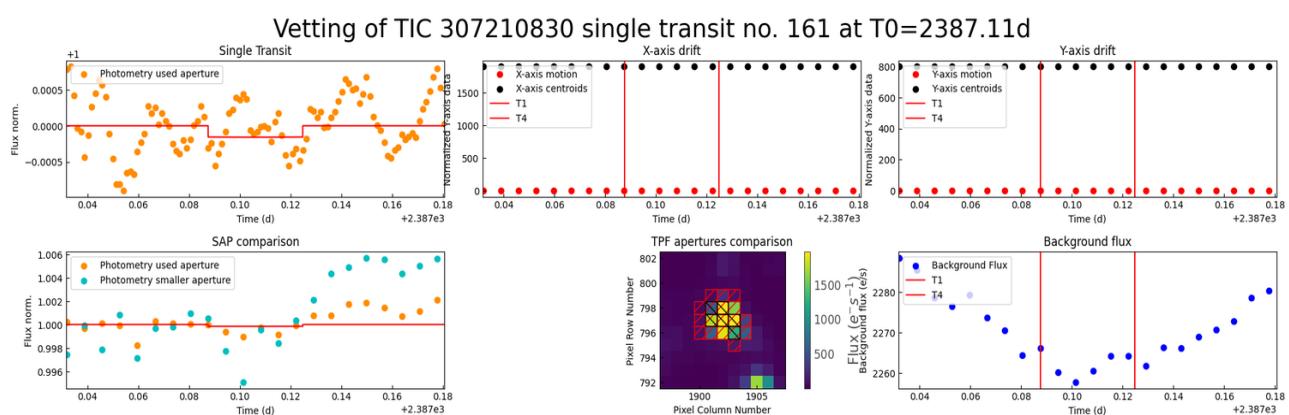


Figure 174: The single transit no. 161 vetting plots

WATSON Transits Validation Report: TIC 307210830

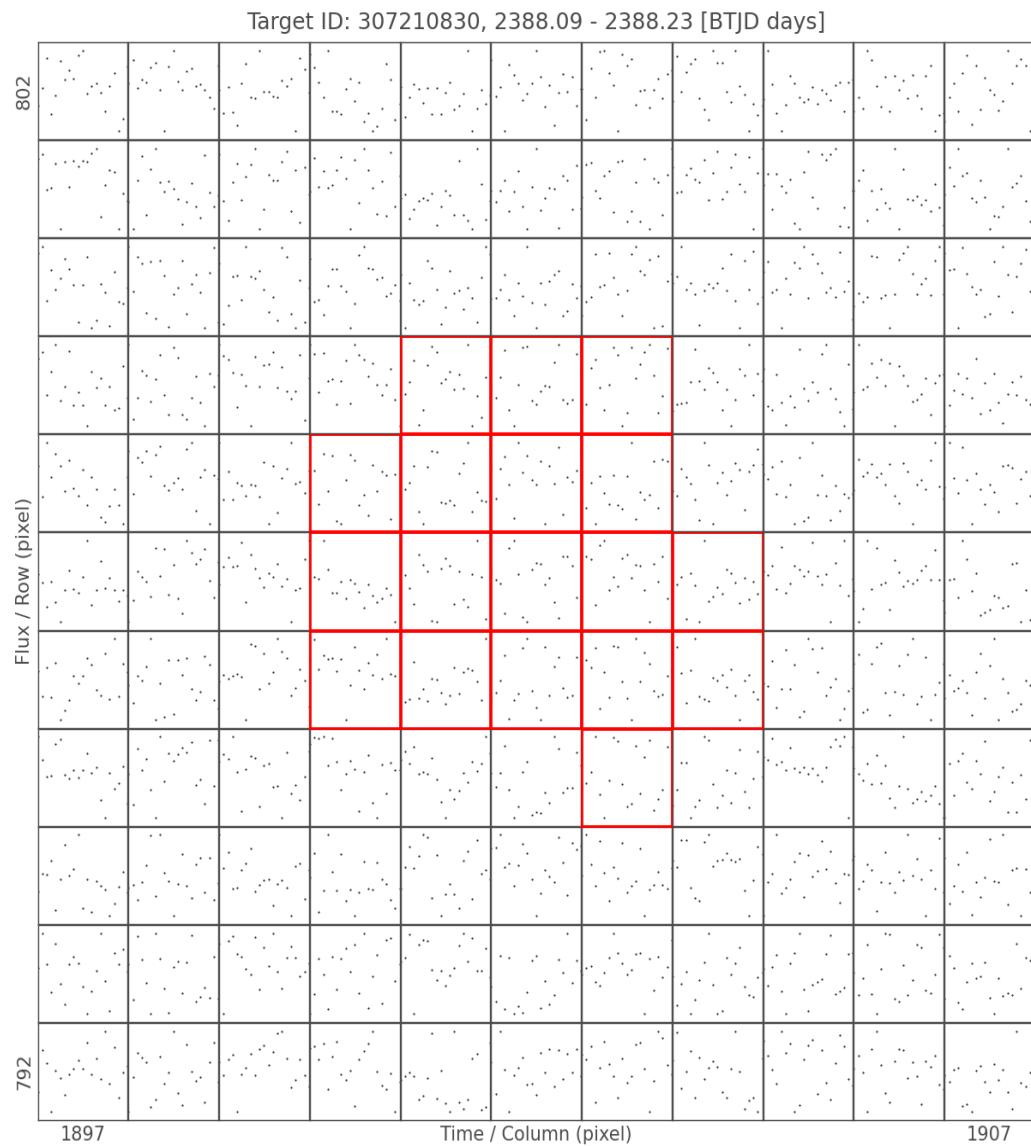
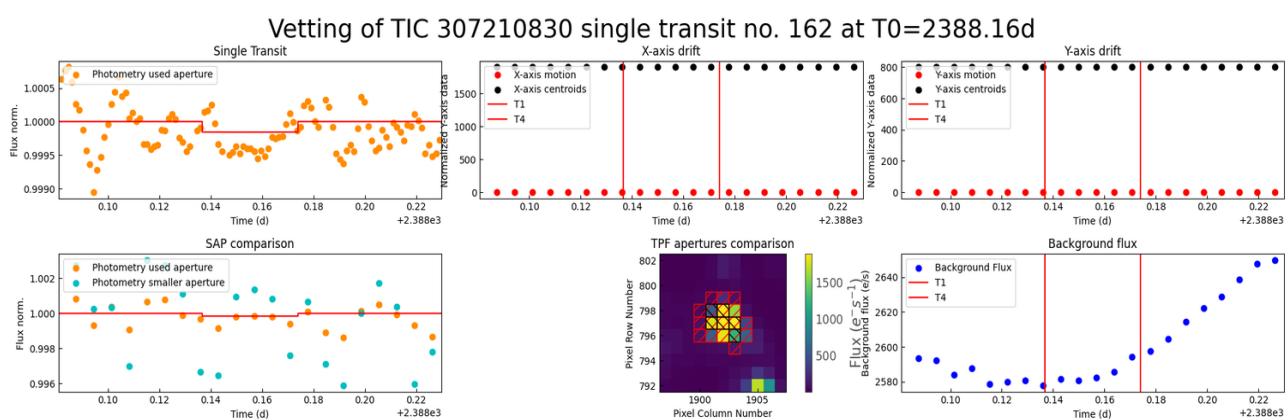


Figure 175: The single transit no. 162 vetting plots

WATSON Transits Validation Report: TIC 307210830

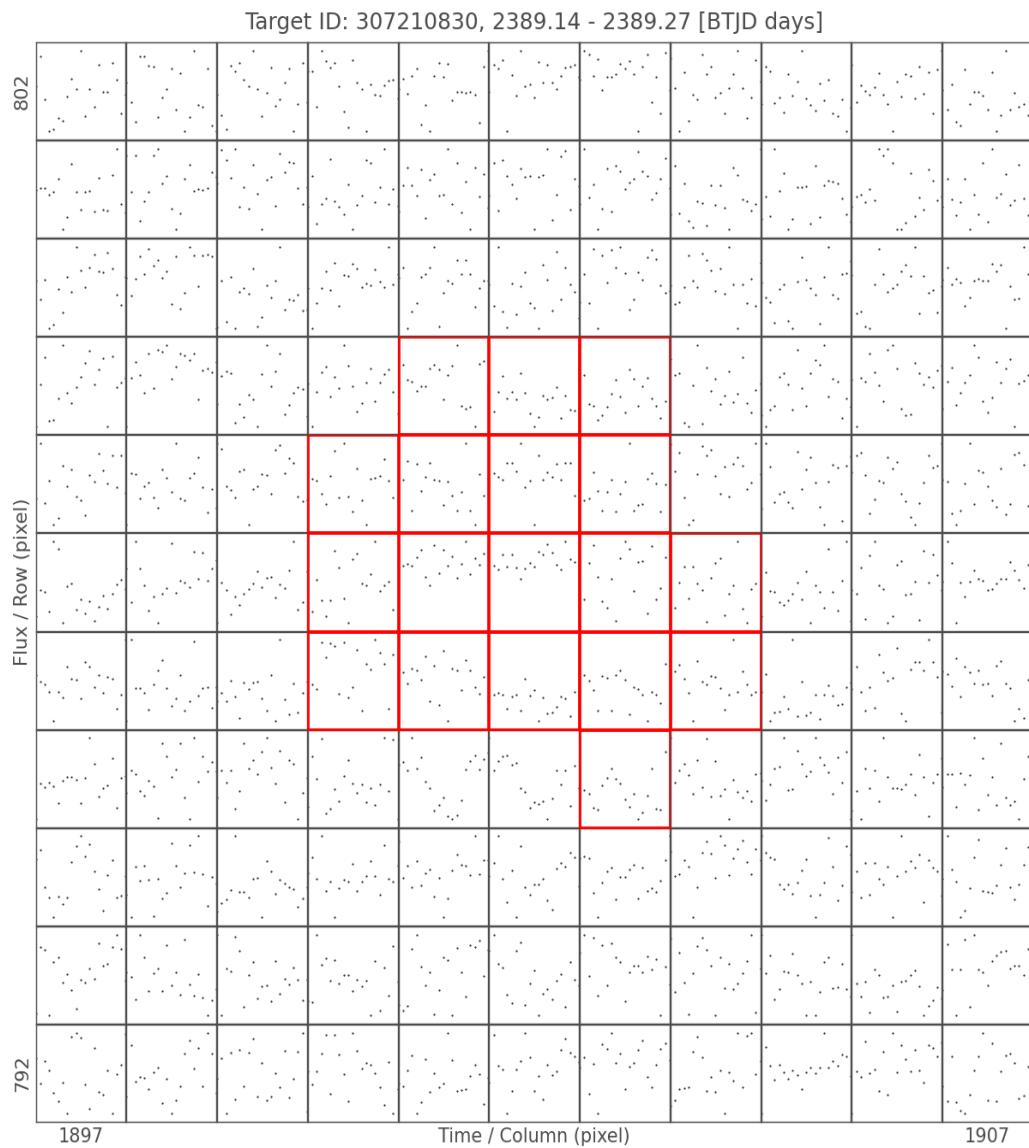
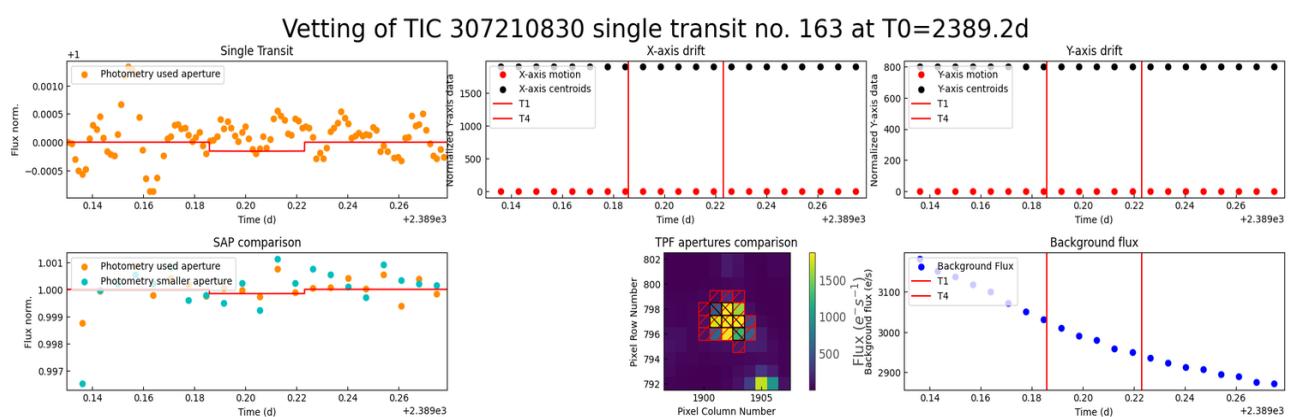


Figure 176: The single transit no. 163 vetting plots