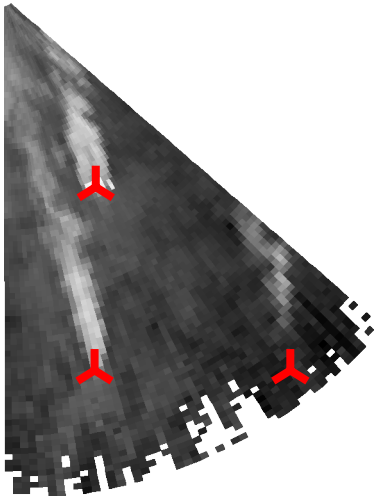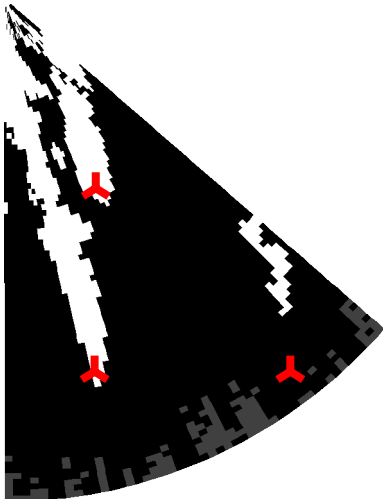(a) Original data

(b) Confusion matrix: ATS method

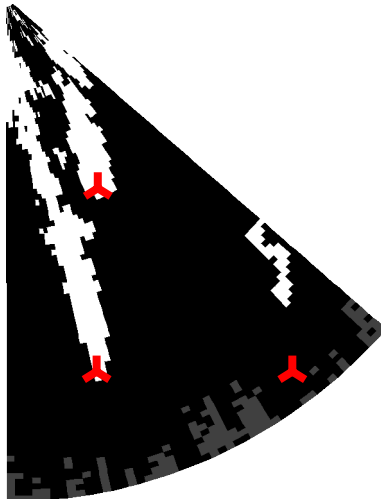| TP 76.77% | FN 23.23% |
| FP 0.00% | TN 100.00% |

(c) Confusion matrix: Deficit-based method

| TP 60.03% | FN 39.97% |
| FP 0.00% | TN 100.00% |

(d) Manual detection Threshold: 0.40

(e) ATS method Threshold: 0.43

(f) Deficit-based method