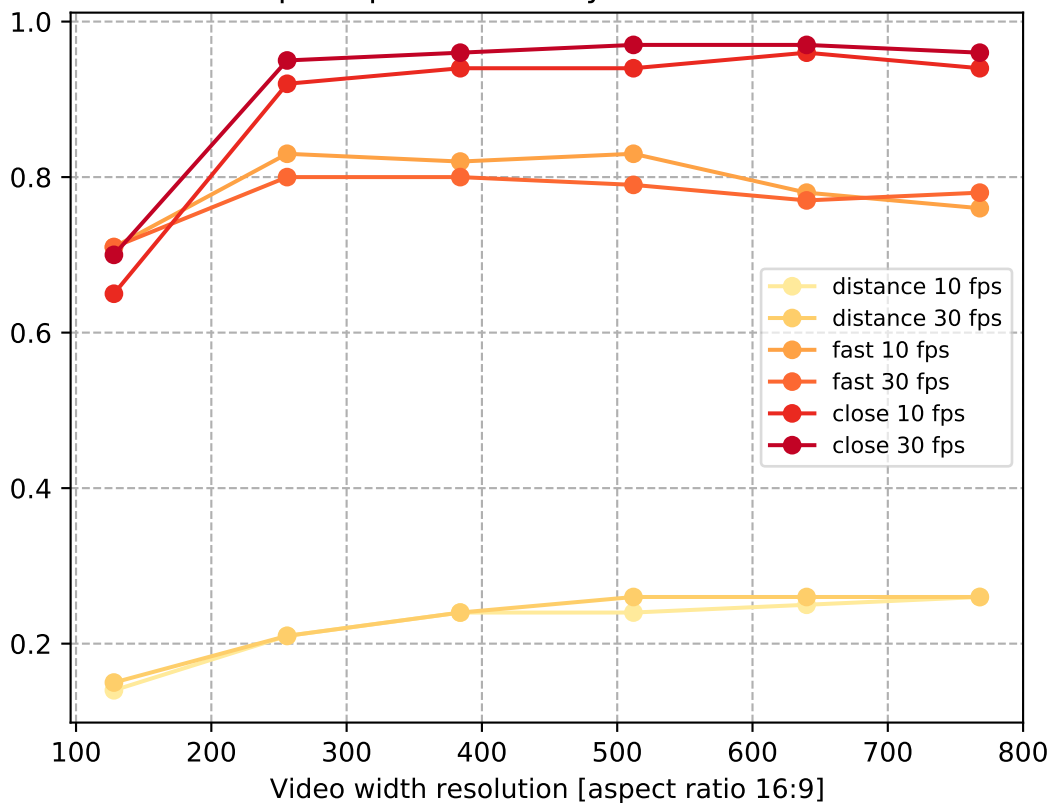
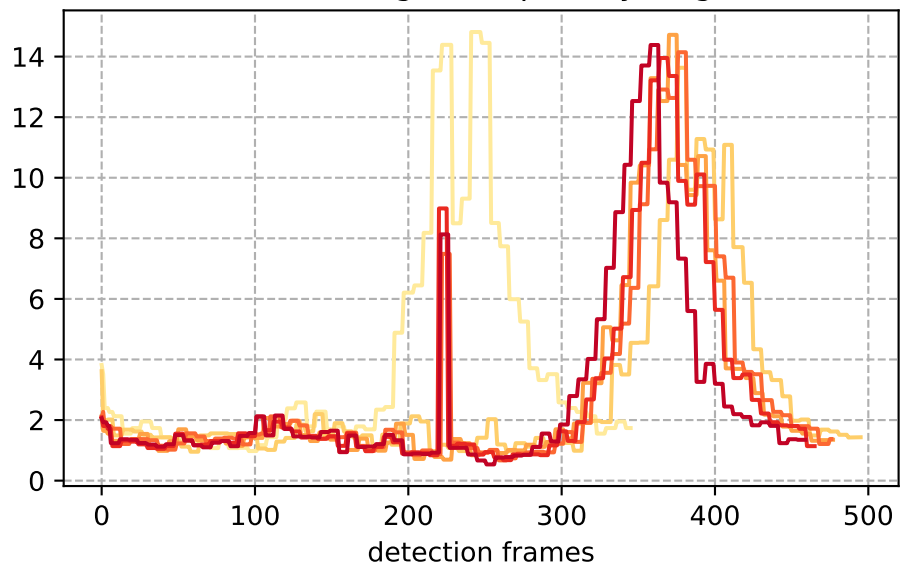


YOLO perception accuracy vs video resolution

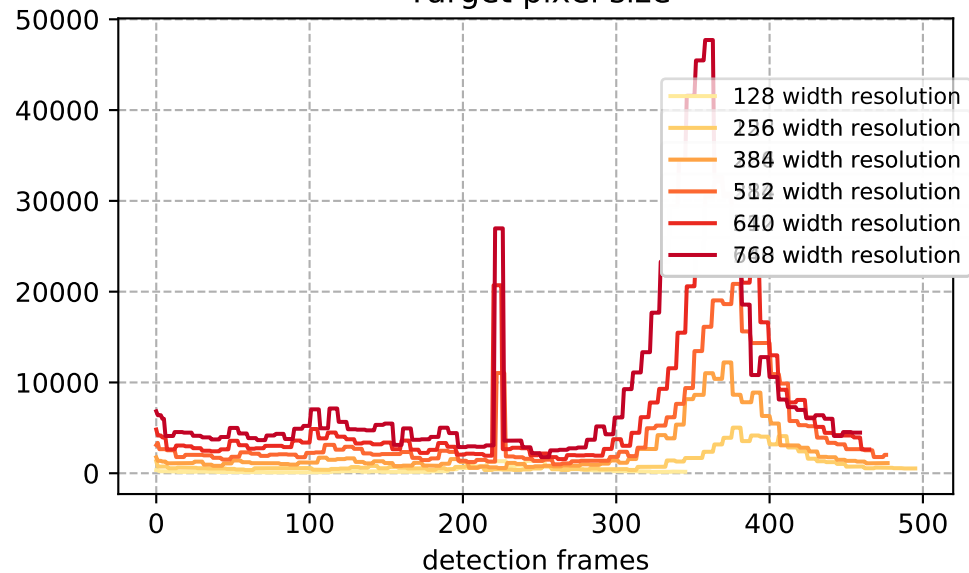


Resolution Investigation for close recording at 10 fps

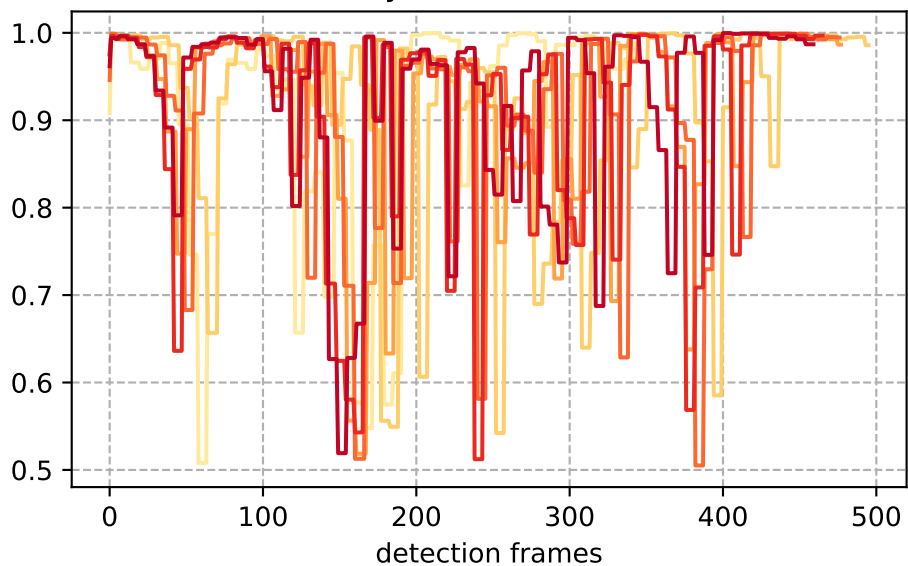
Fraction of image occupied by target [%]



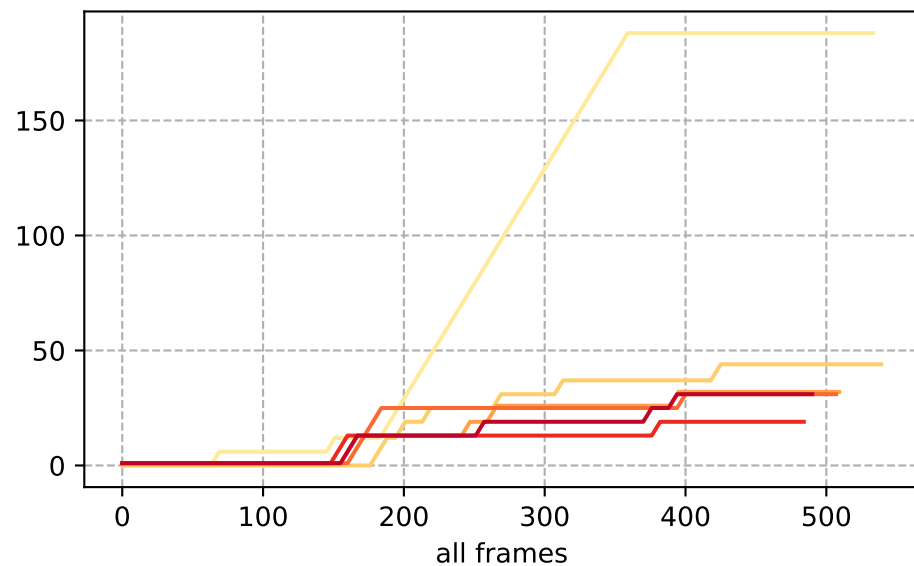
Target pixel size



Probability of correct estimation

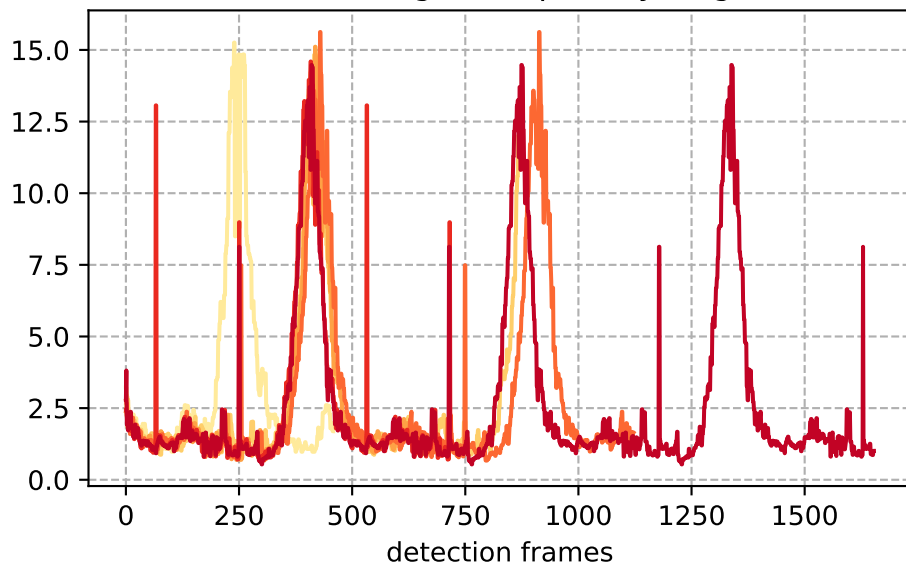


Count of missed detections

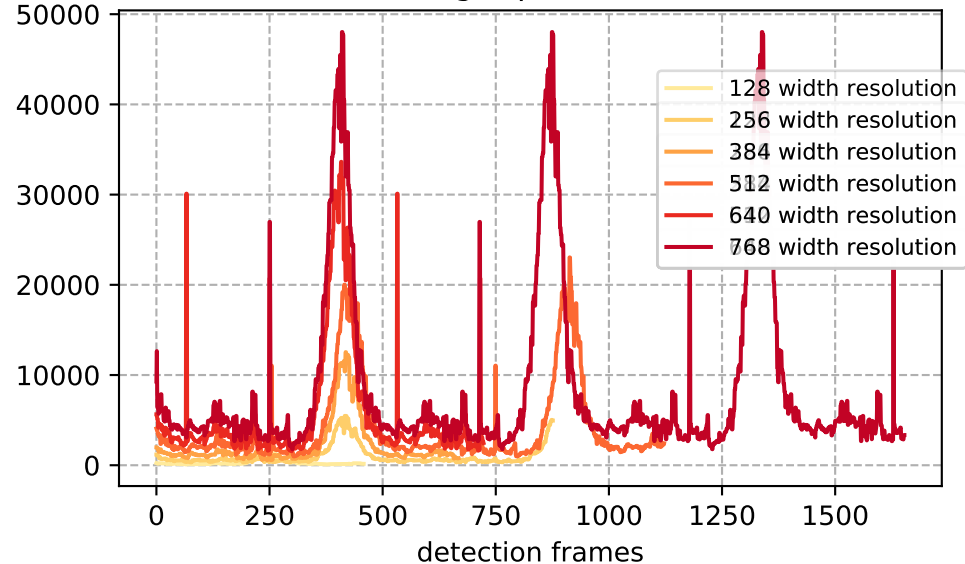


Resolution Investigation for close recording at 30 fps

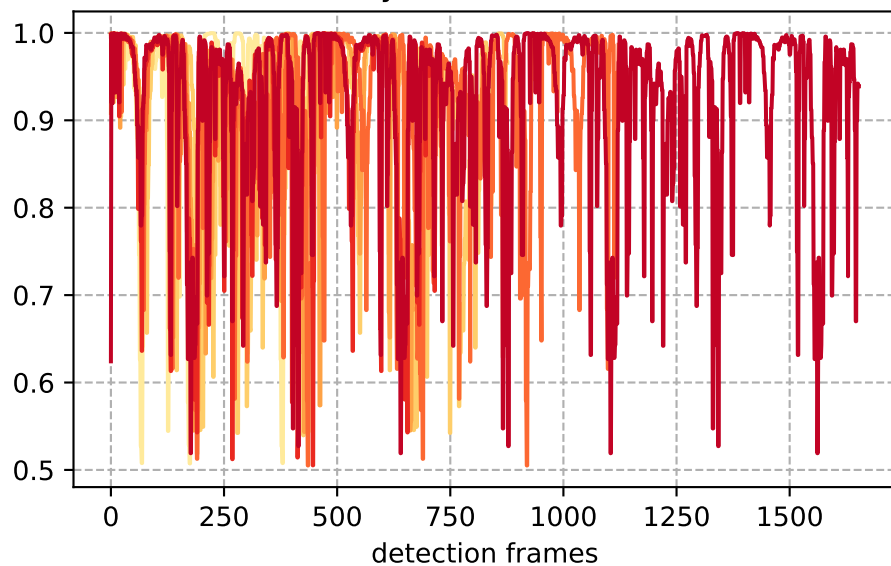
Fraction of image occupied by target [%]



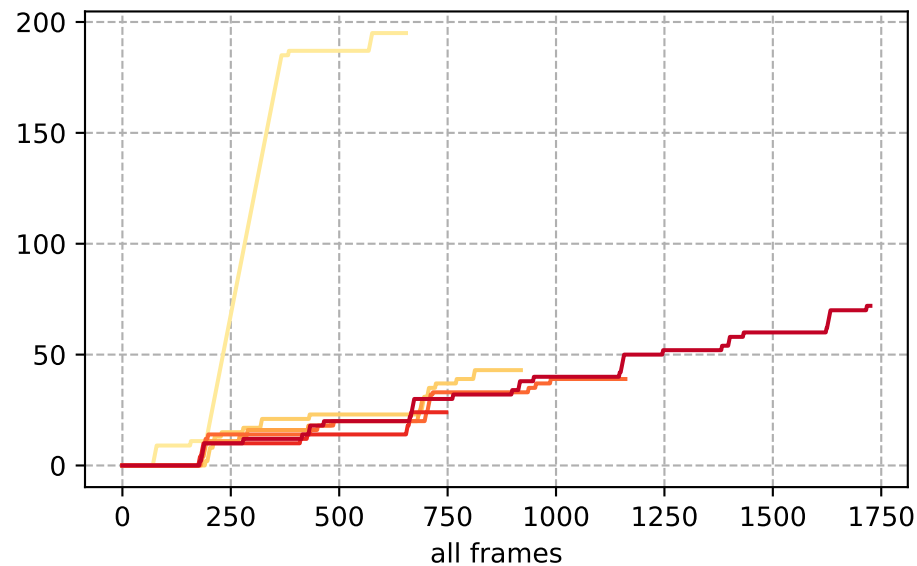
Target pixel size



Probability of correct estimation

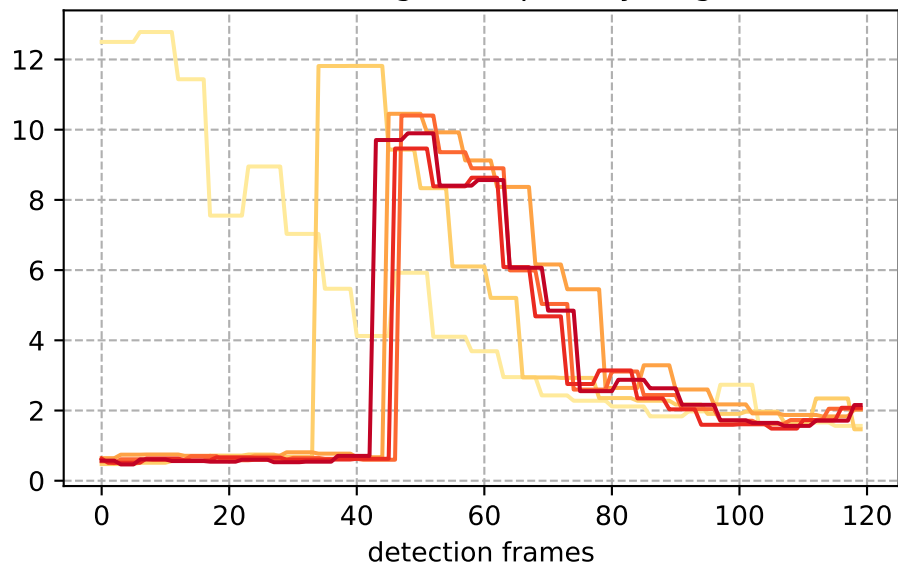


Count of missed detections

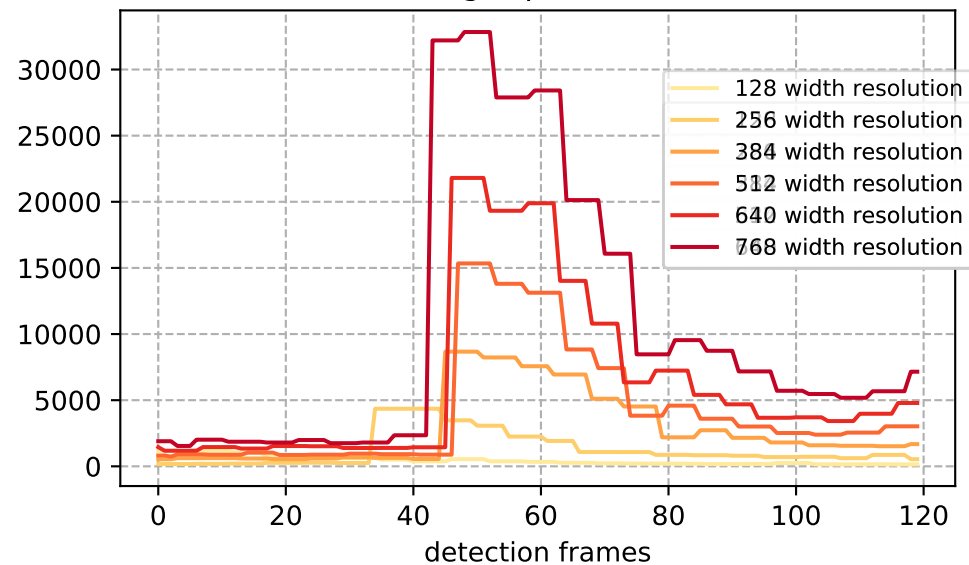


Resolution Investigation for distance recording at 10 fps

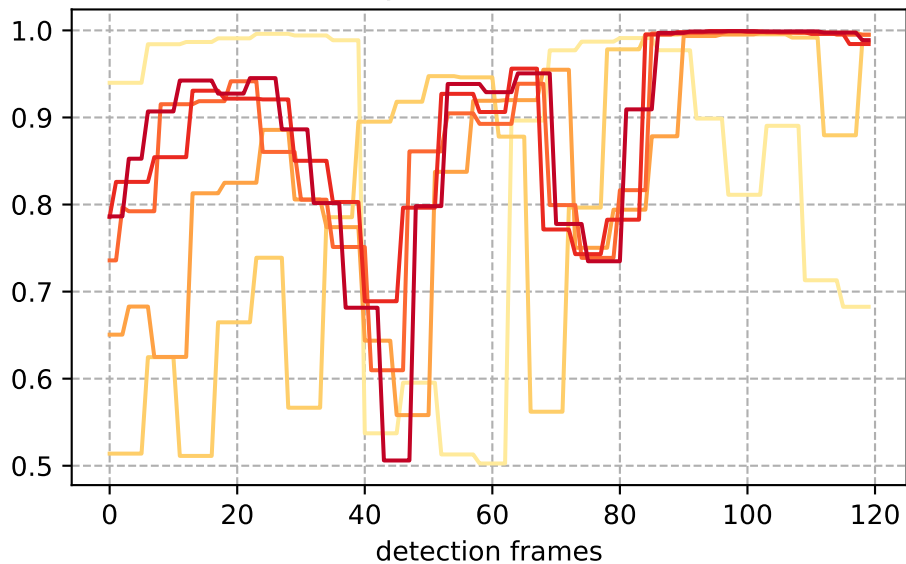
Fraction of image occupied by target [%]



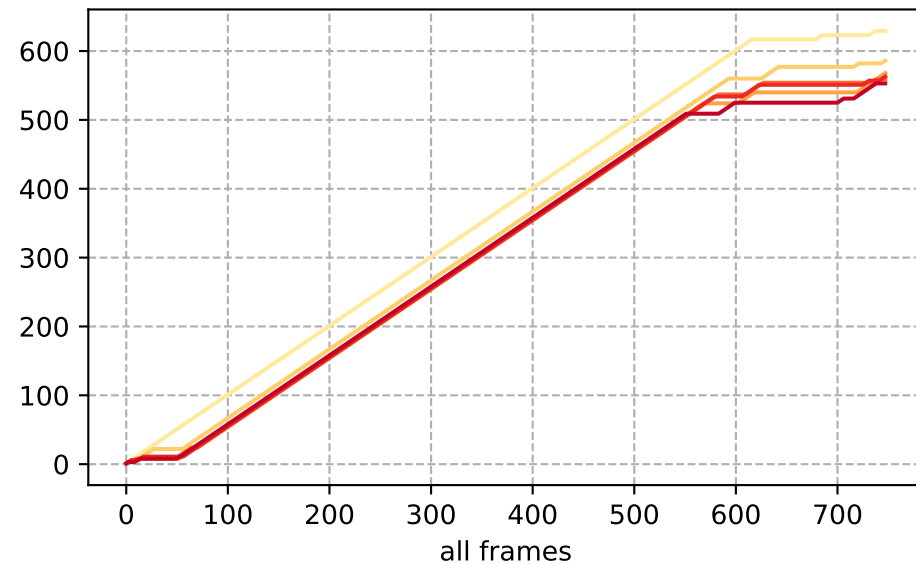
Target pixel size



Probability of correct estimation

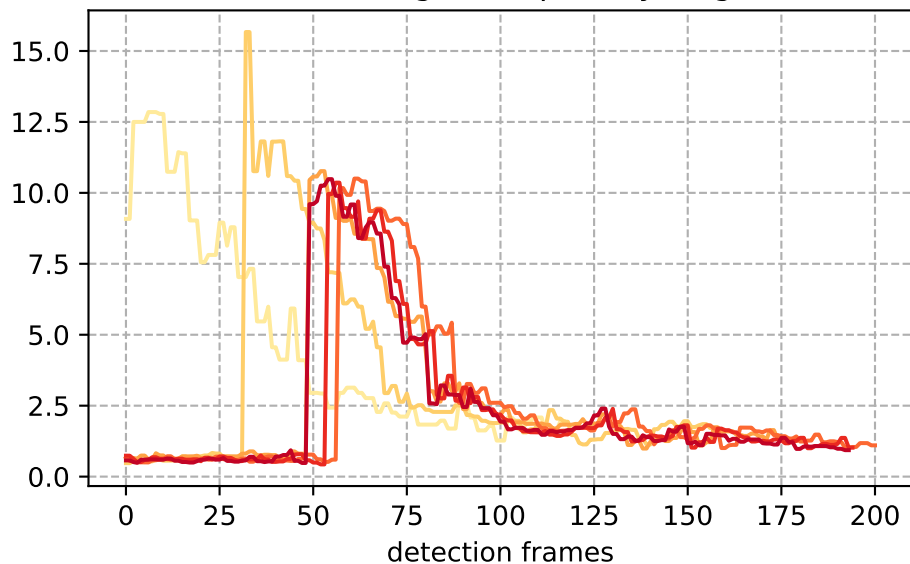


Count of missed detections

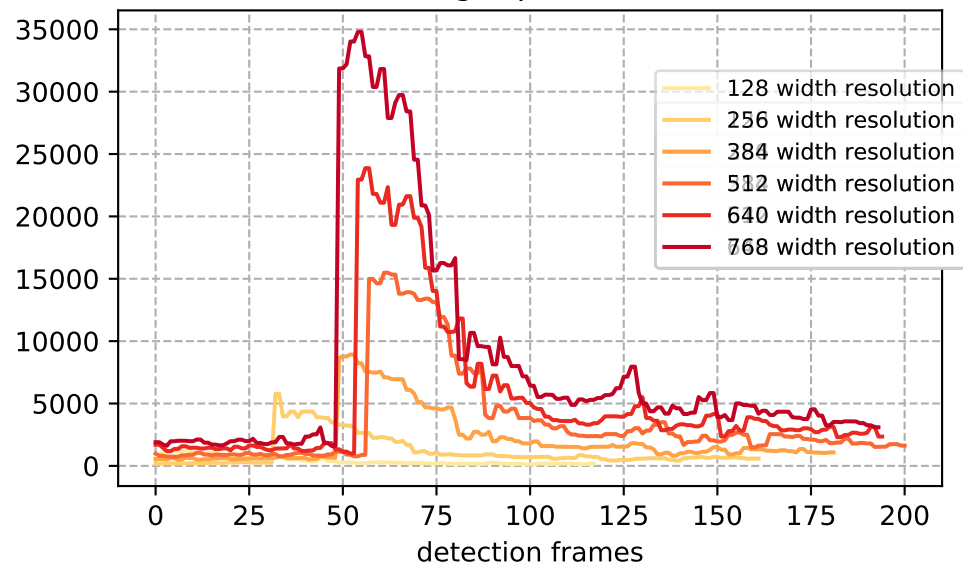


Resolution Investigation for distance recording at 30 fps

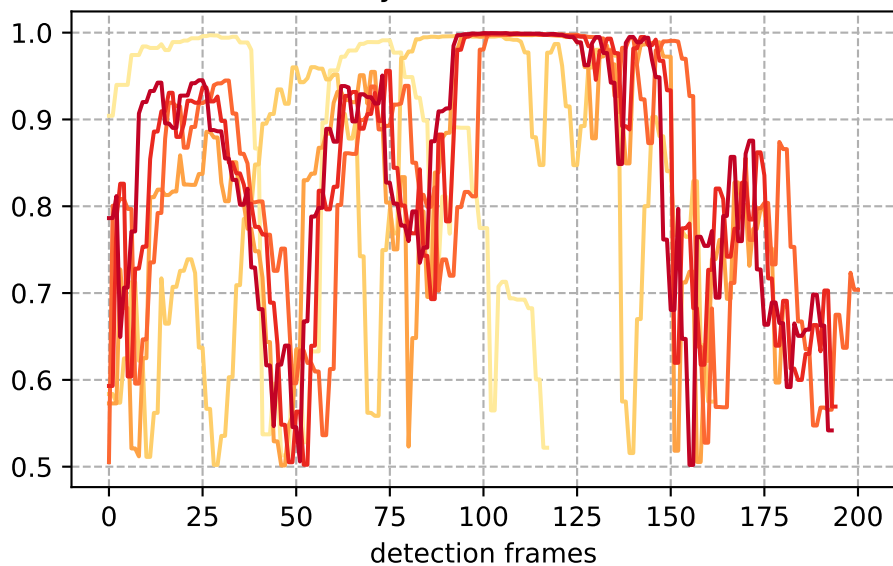
Fraction of image occupied by target [%]



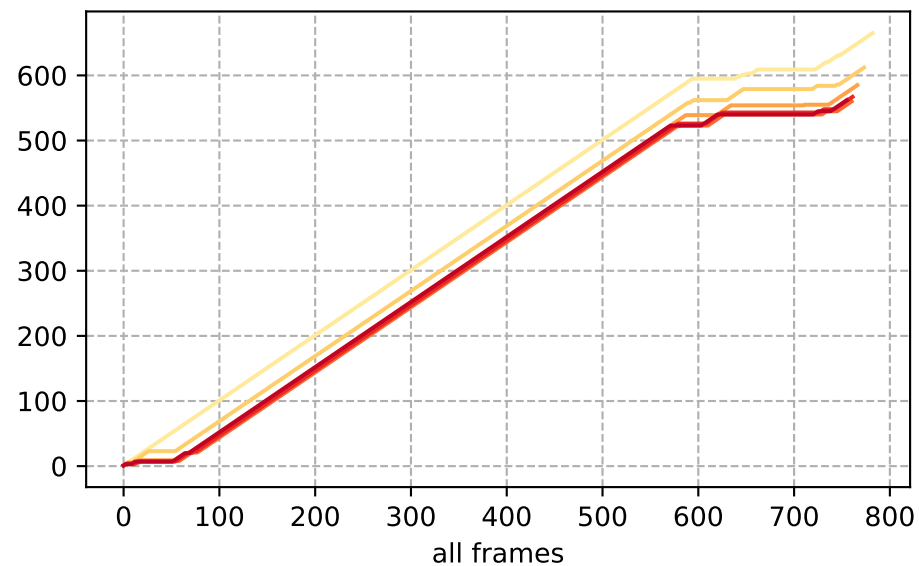
Target pixel size



Probability of correct estimation

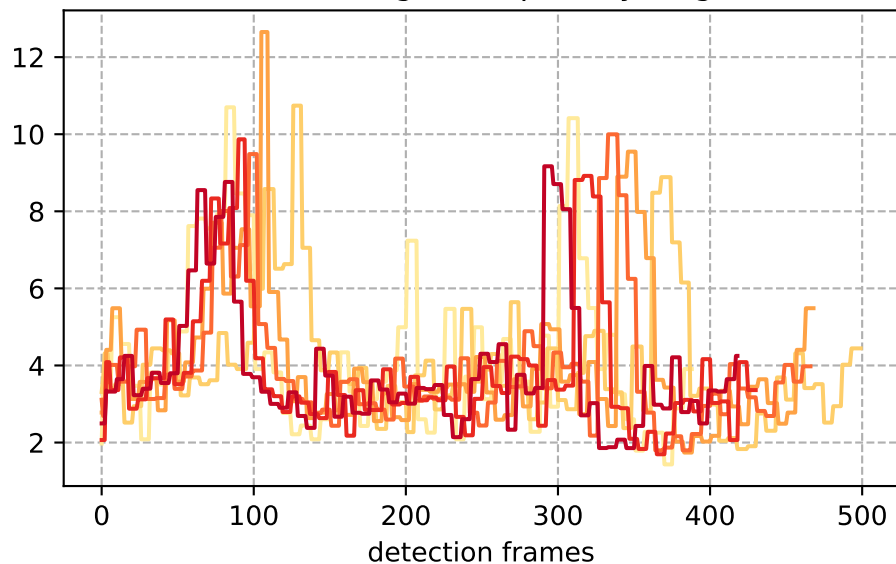


Count of missed detections

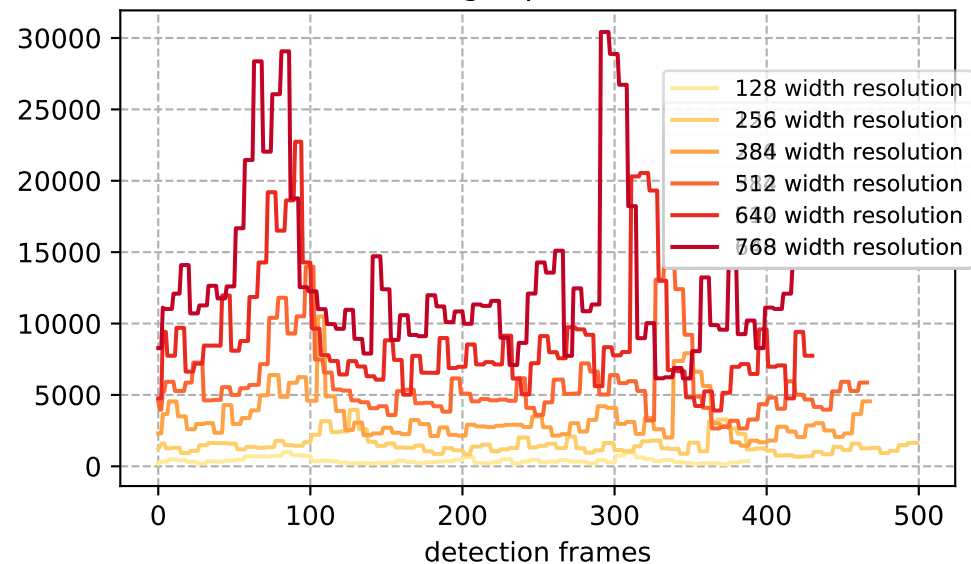


Resolution Investigation for fast recording at 10 fps

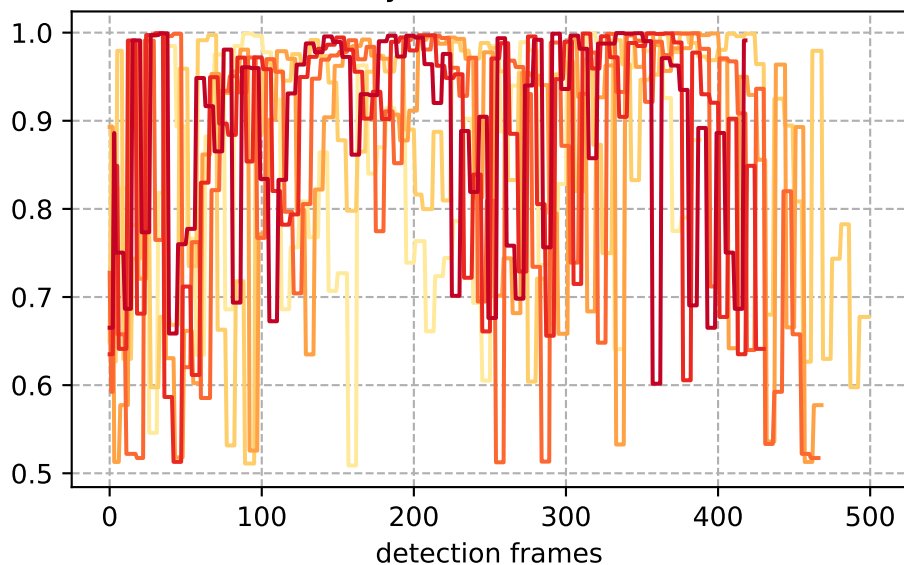
Fraction of image occupied by target [%]



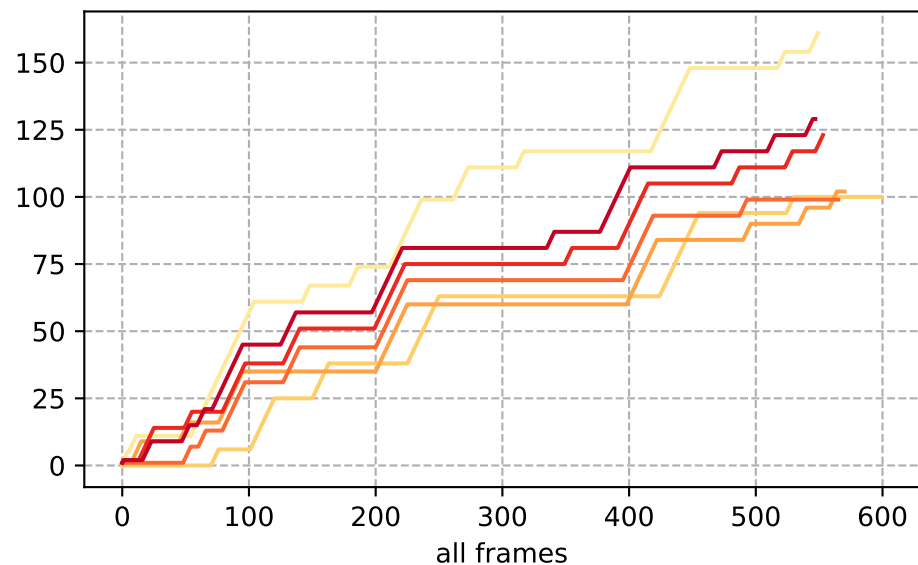
Target pixel size



Probability of correct estimation

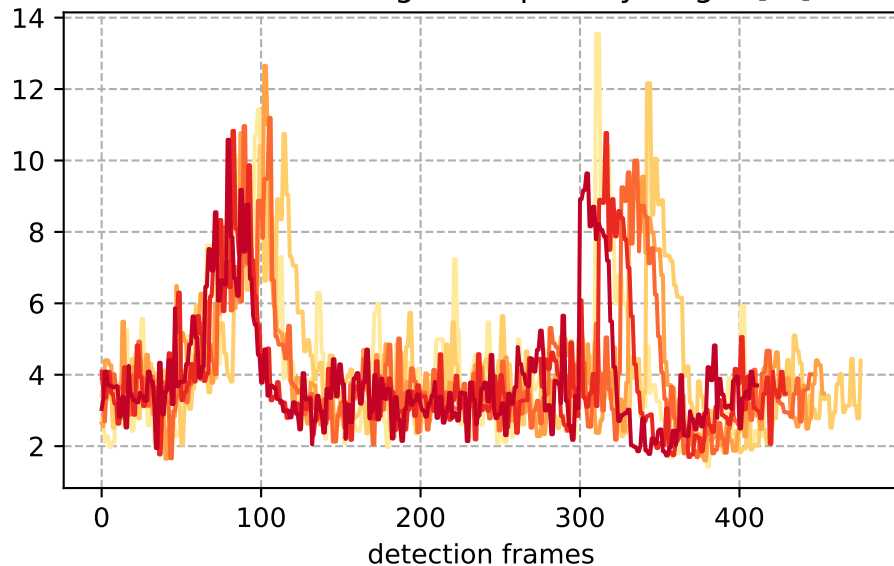


Count of missed detections

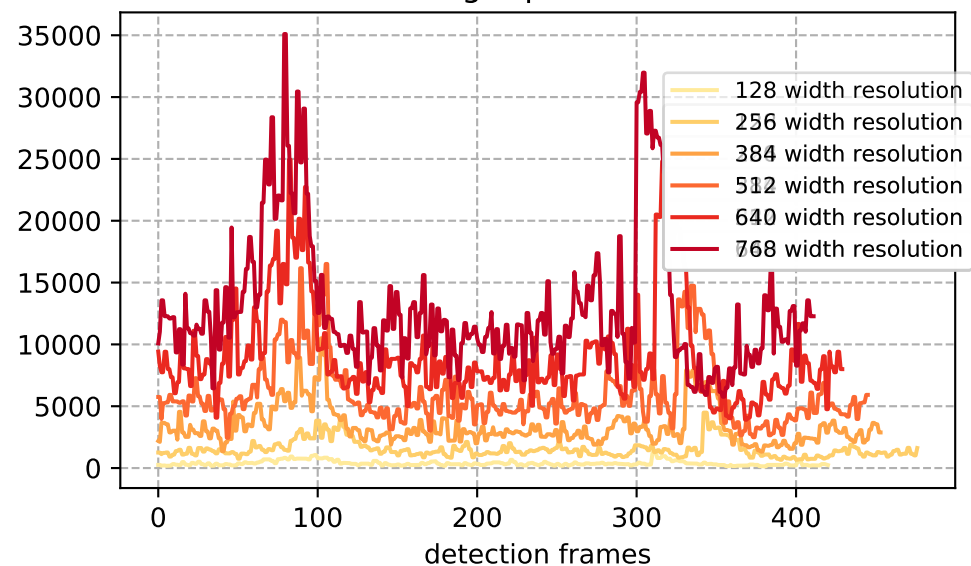


Resolution Investigation for fast recording at 30 fps

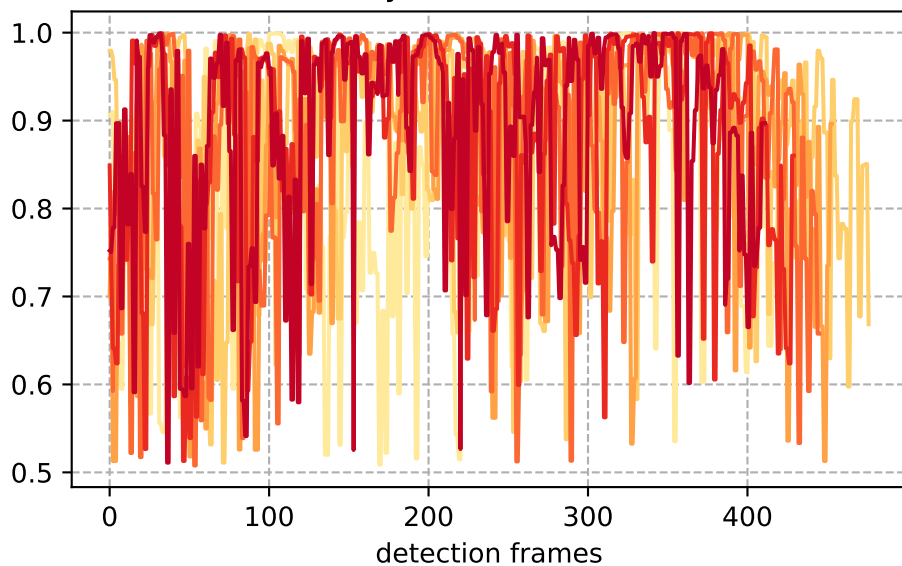
Fraction of image occupied by target [%]



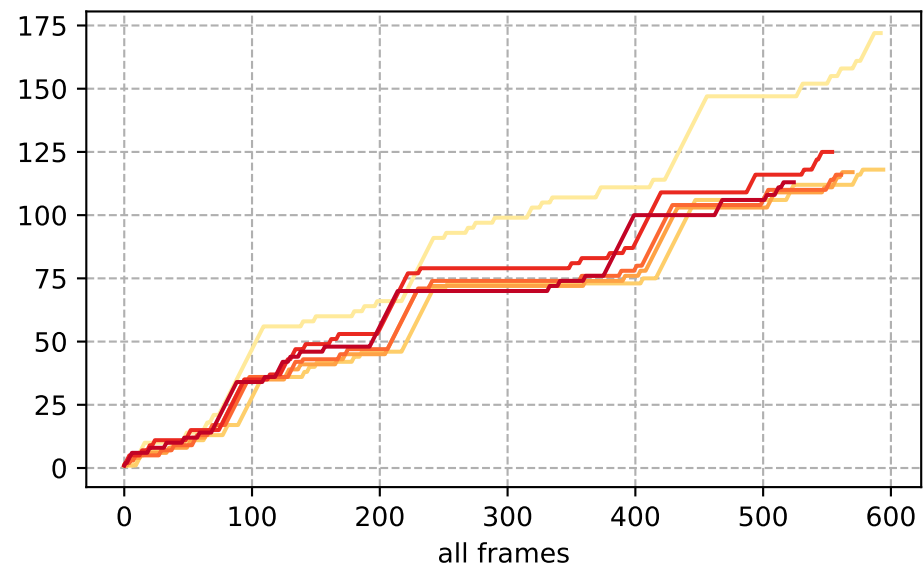
Target pixel size



Probability of correct estimation

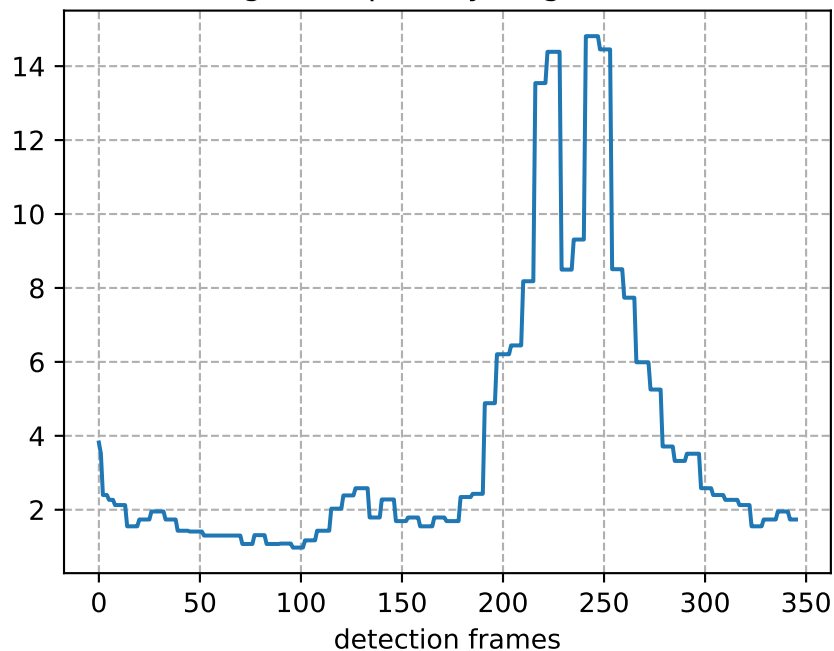


Count of missed detections

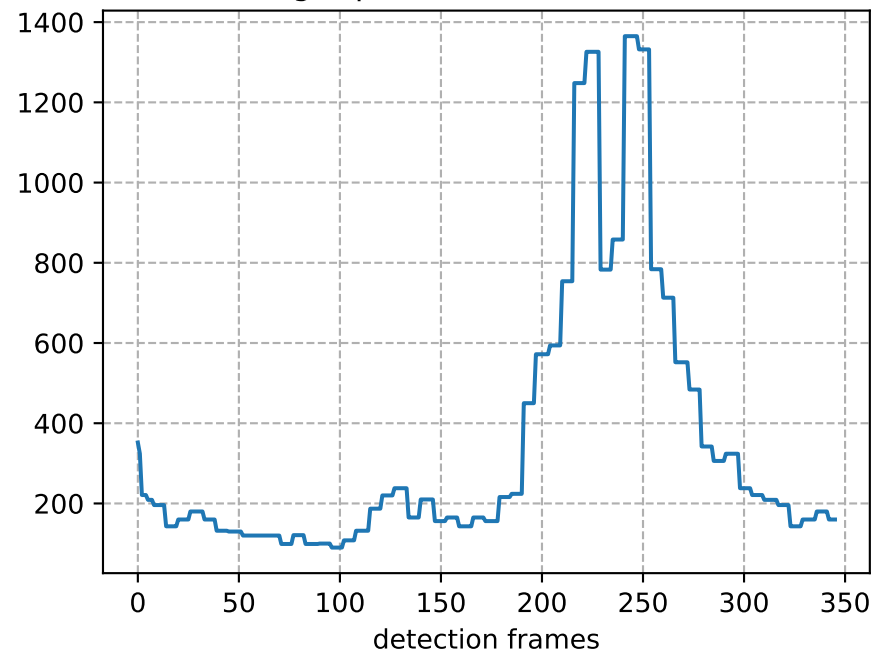


Performance Report for close-128-10-bb.csv - ACC = [0.65%]

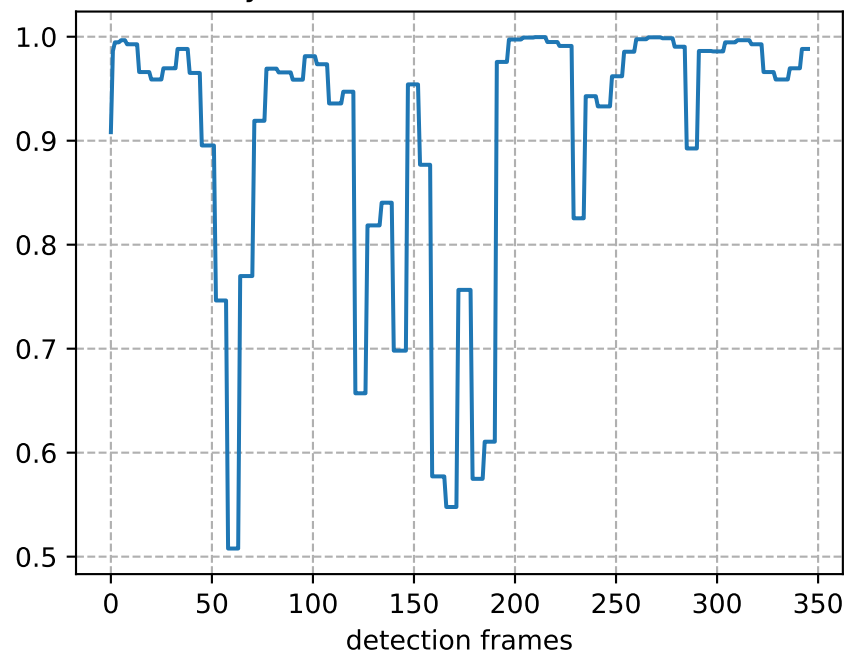
Fraction of image occupied by target [%] - MIN = [0.98]



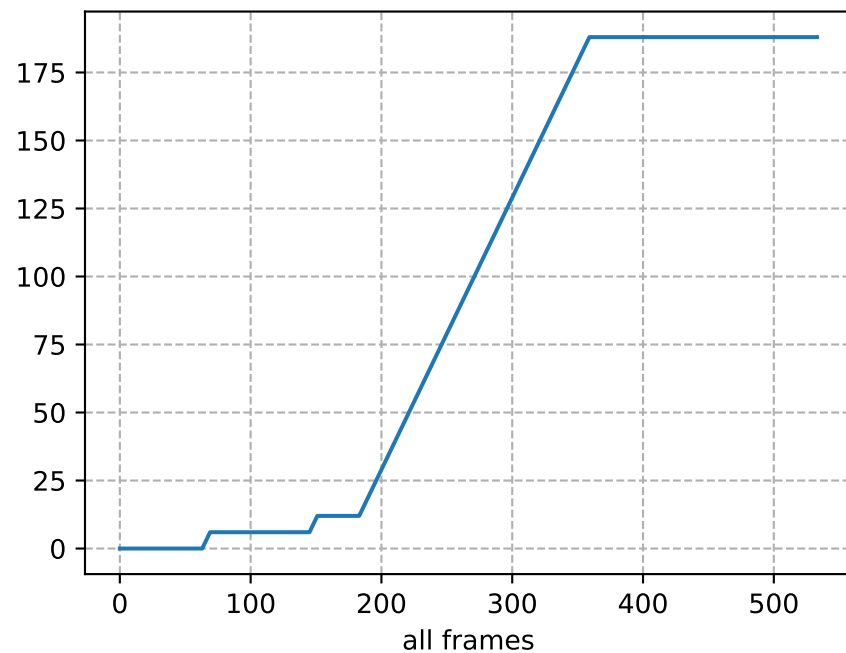
Target pixel size - MIN = [90.0]



Probability of correct estimation - AVG = [0.9]

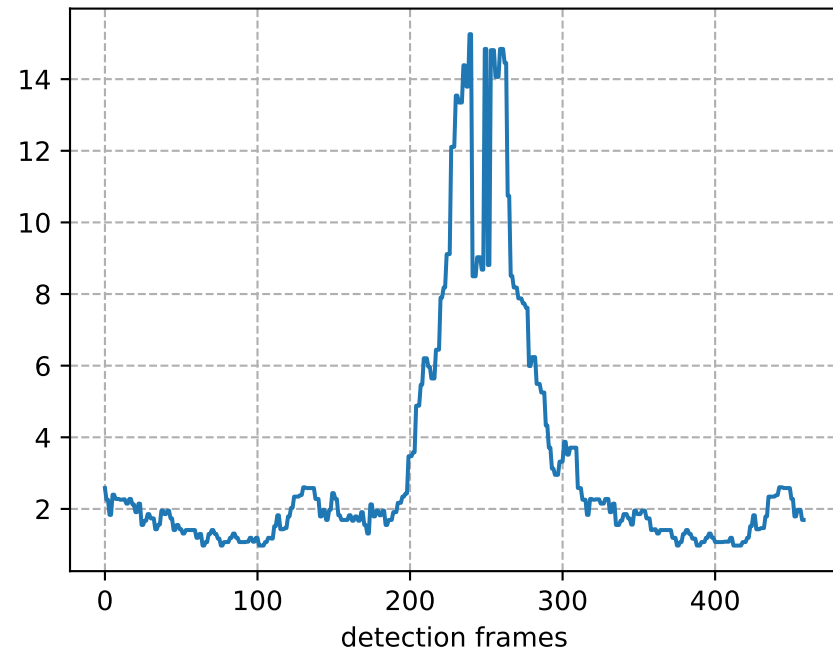


Count of missed detections

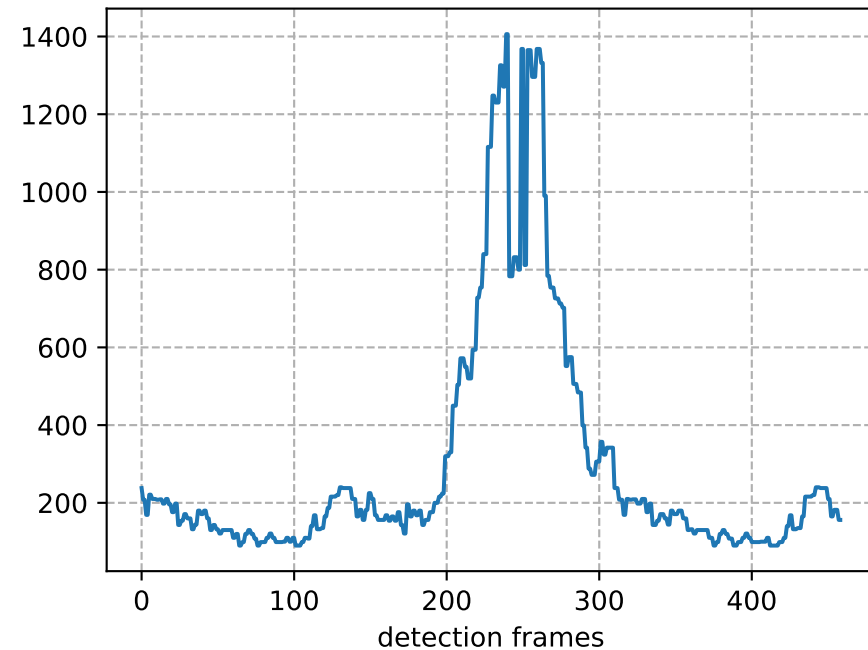


Performance Report for close-128-30-bb.csv - ACC = [0.7%]

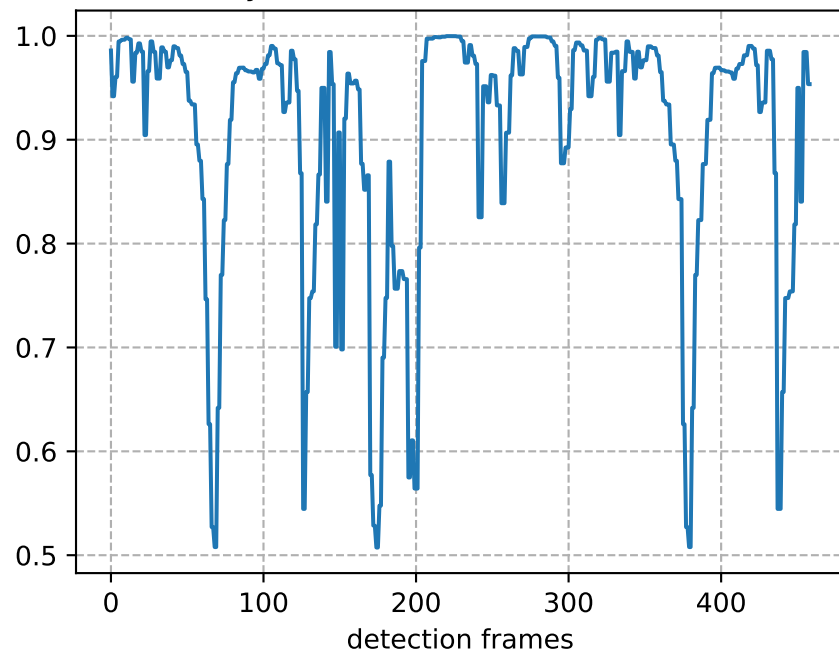
Fraction of image occupied by target [%] - MIN = [0.98]



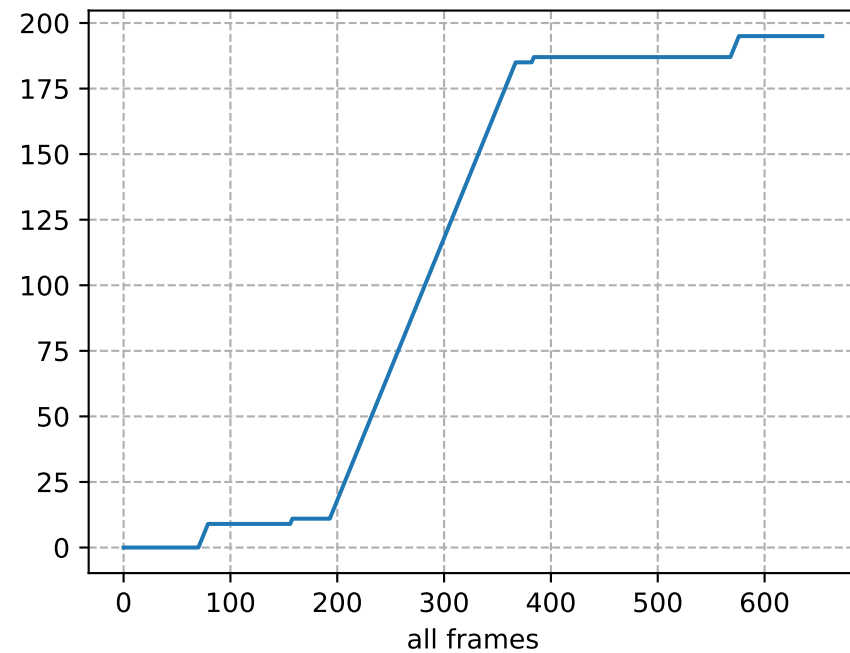
Target pixel size - MIN = [90.0]



Probability of correct estimation - AVG = [0.9]

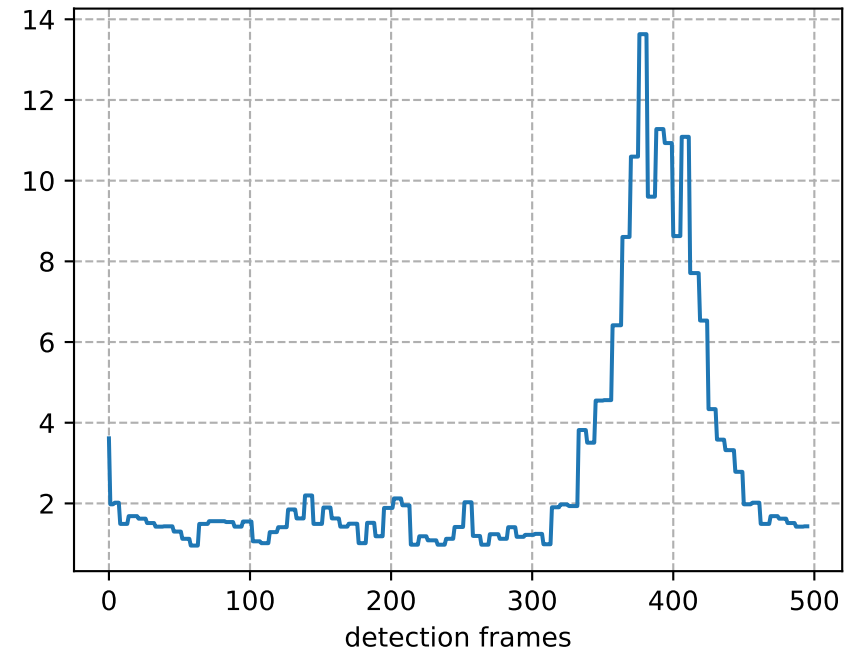


Count of missed detections

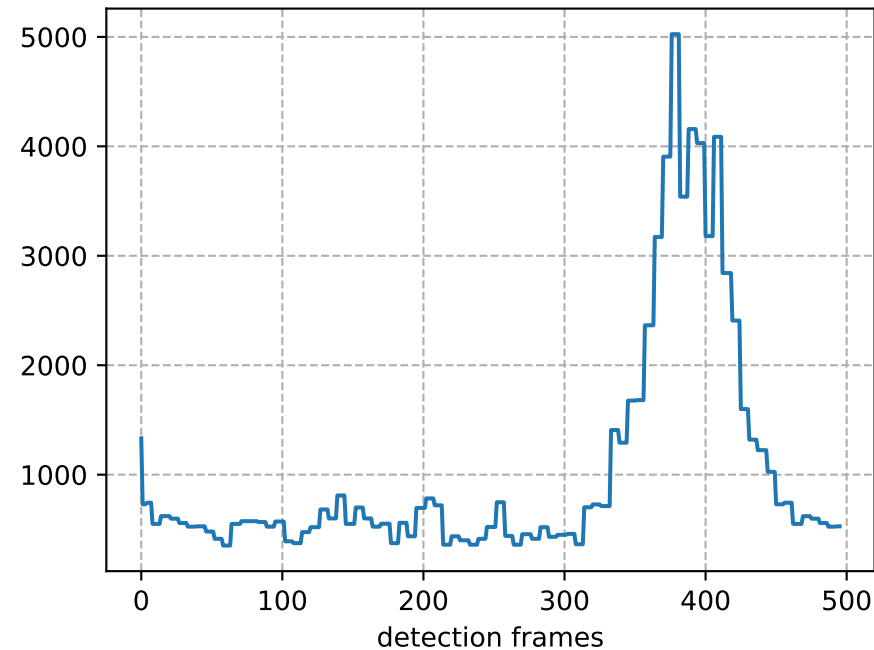


Performance Report for close-256-10-bb.csv - ACC = [0.92%]

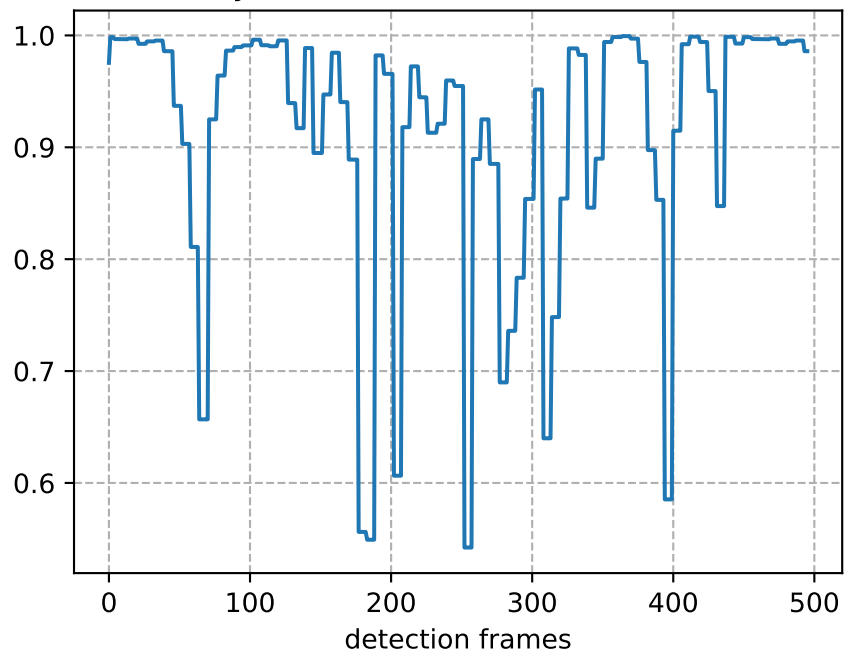
Fraction of image occupied by target [%] - MIN = [0.95]



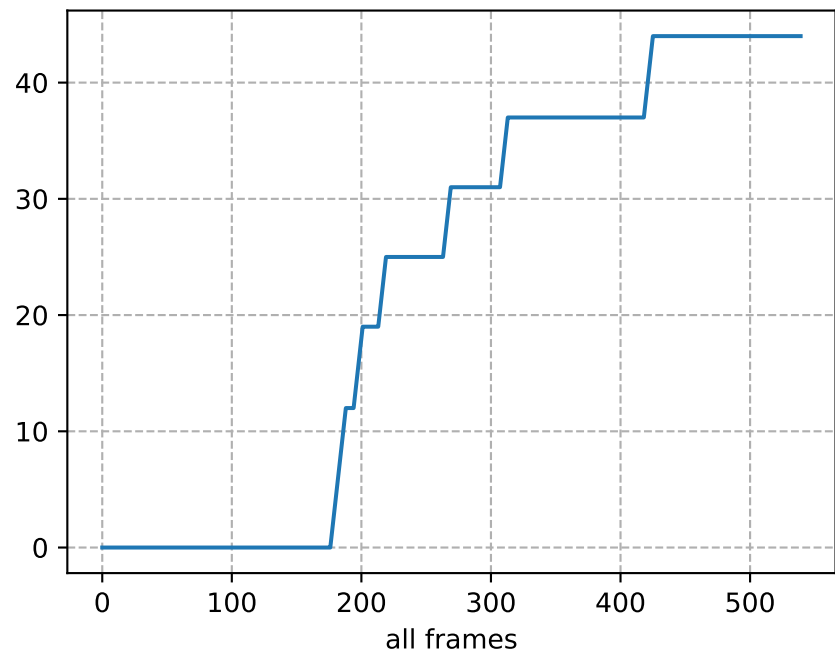
Target pixel size - MIN = [352.0]



Probability of correct estimation - AVG = [0.91]

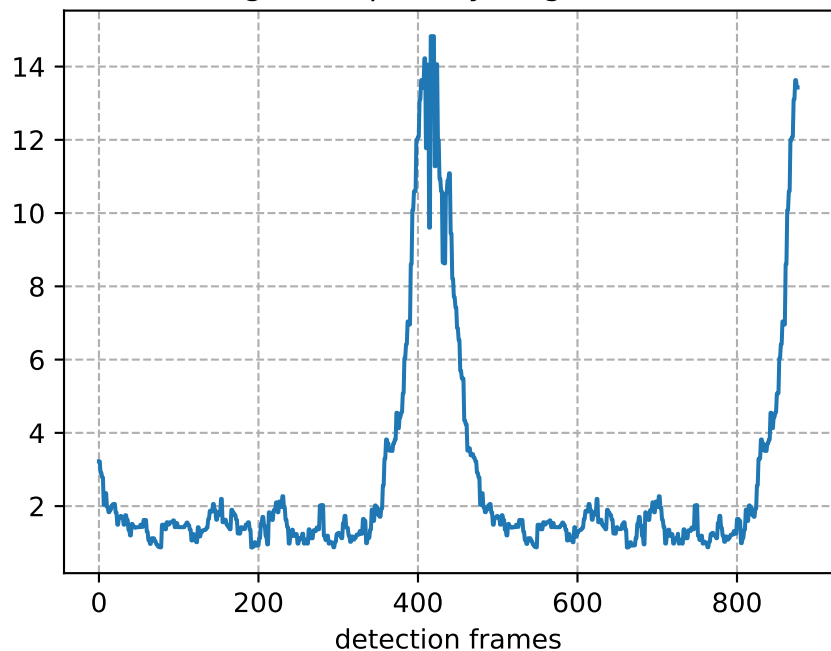


Count of missed detections

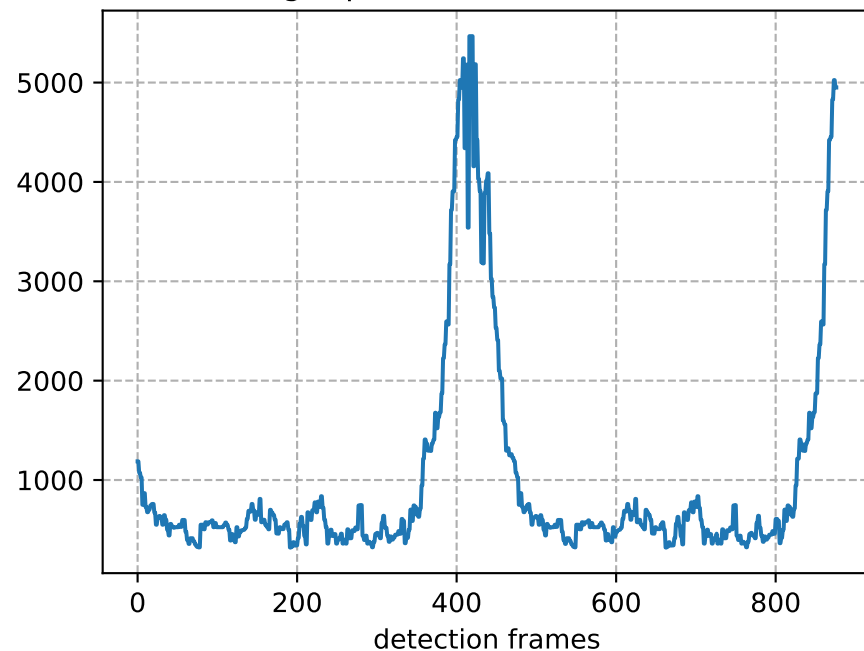


Performance Report for close-256-30-bb.csv - ACC = [0.95%]

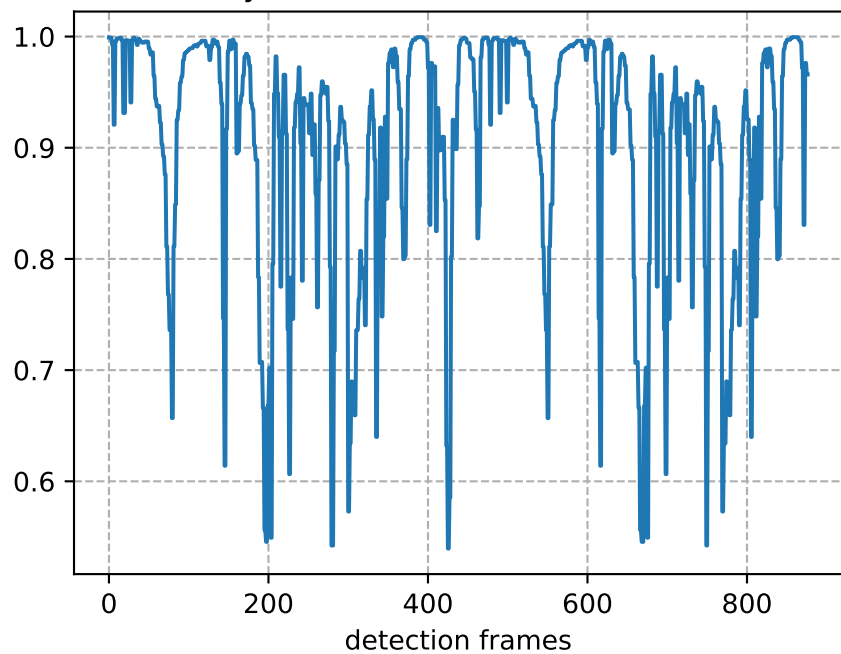
Fraction of image occupied by target [%] - MIN = [0.87]



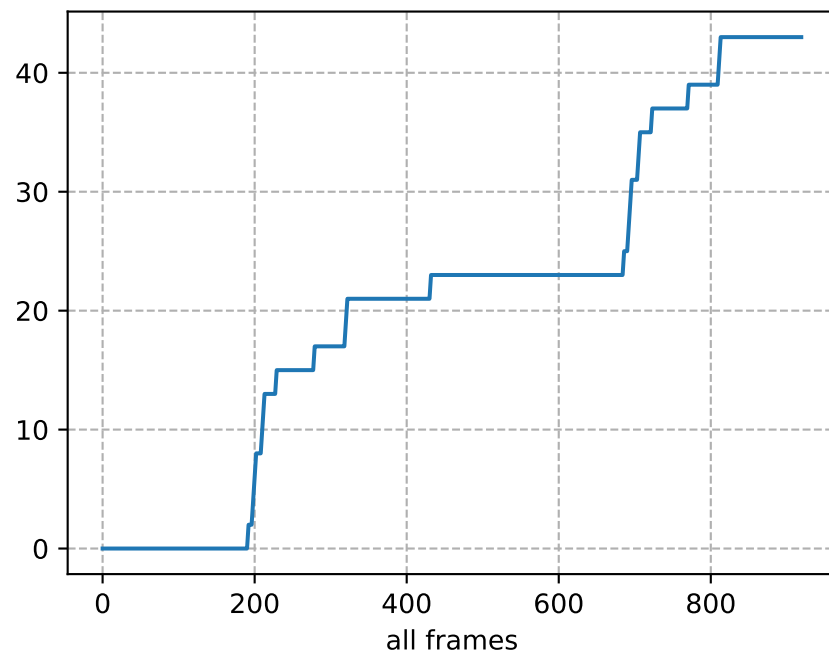
Target pixel size - MIN = [320.0]



Probability of correct estimation - AVG = [0.9]

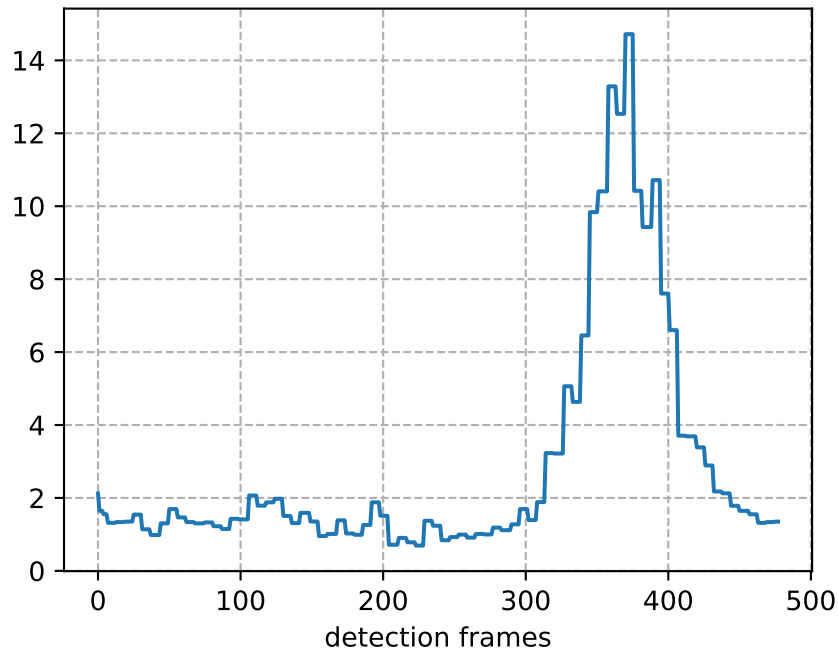


Count of missed detections

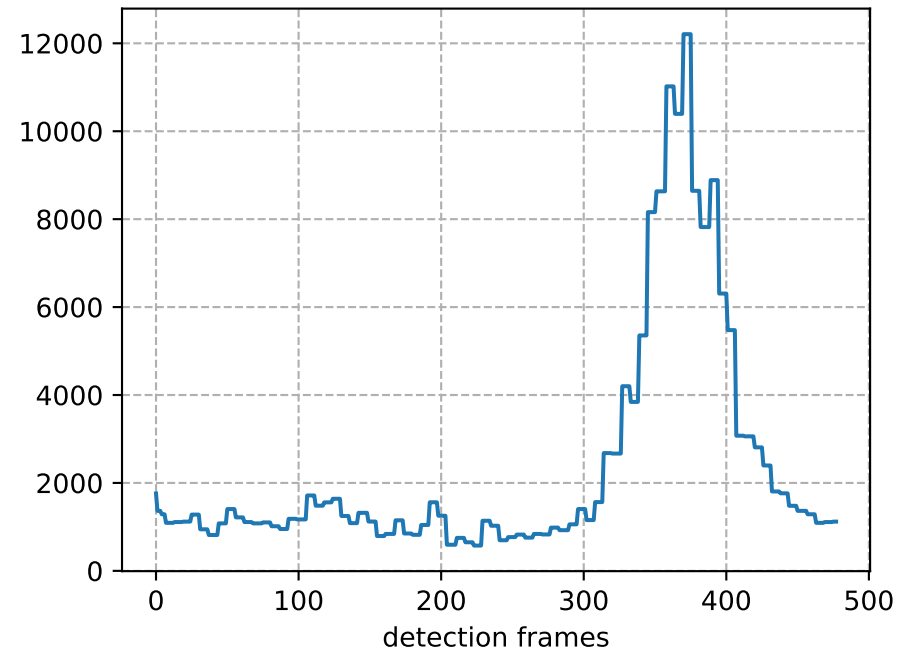


Performance Report for close-384-10-bb.csv - ACC = [0.94%]

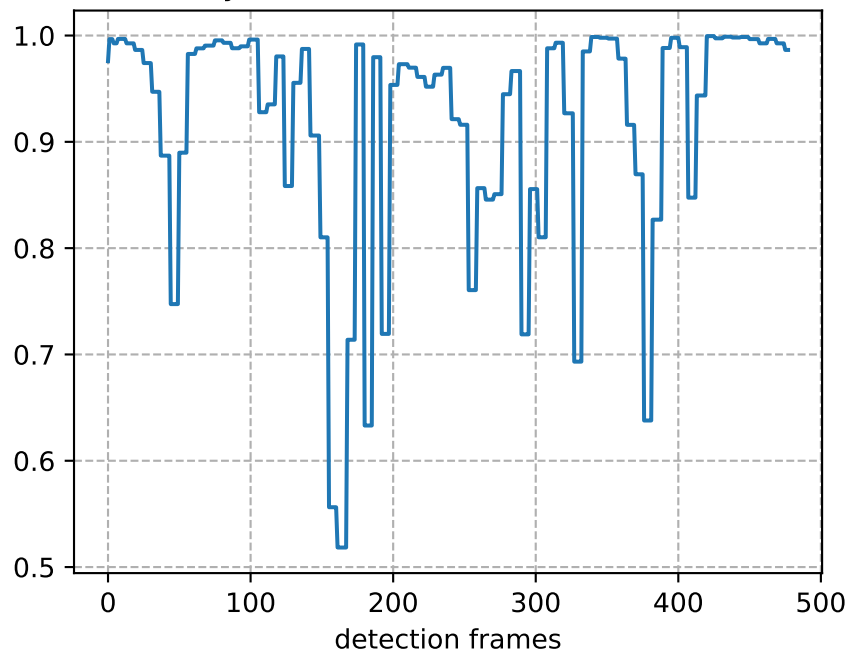
Fraction of image occupied by target [%] - MIN = [0.69]



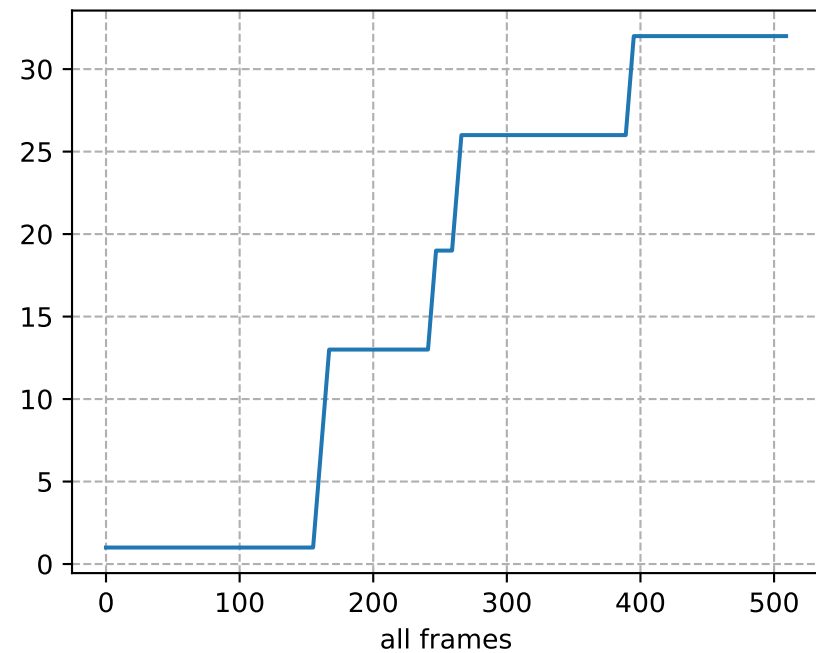
Target pixel size - MIN = [575.0]



Probability of correct estimation - AVG = [0.92]

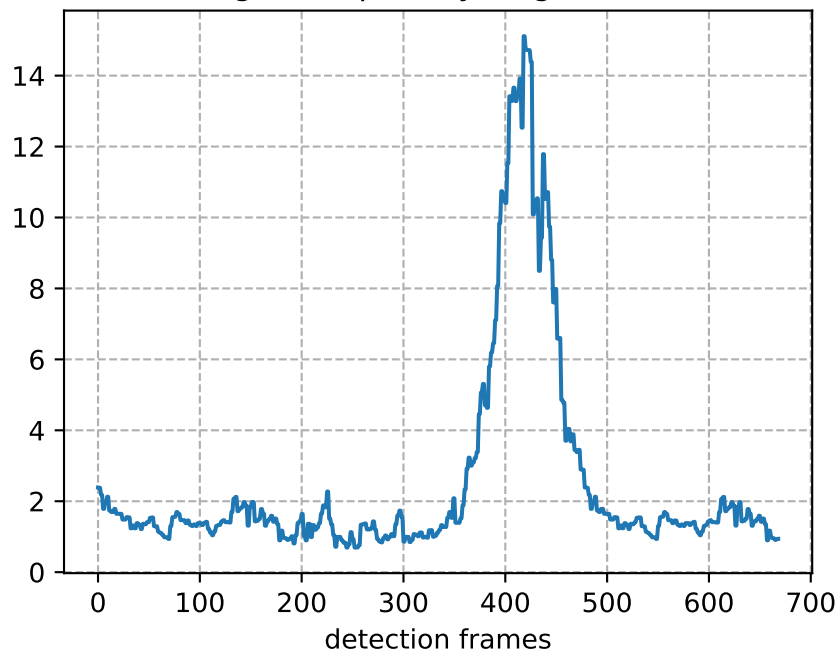


Count of missed detections

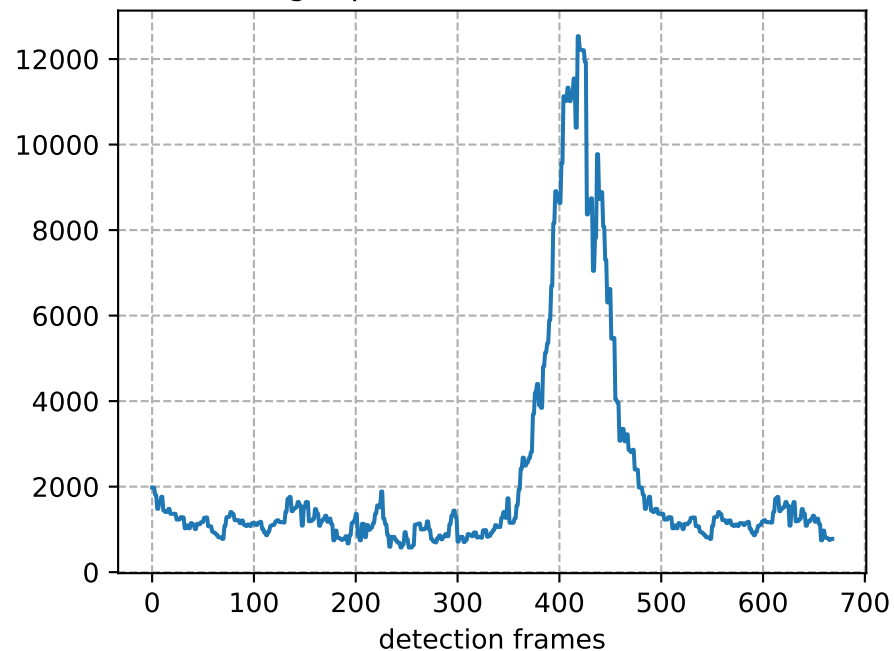


Performance Report for close-384-30-bb.csv - ACC = [0.96%]

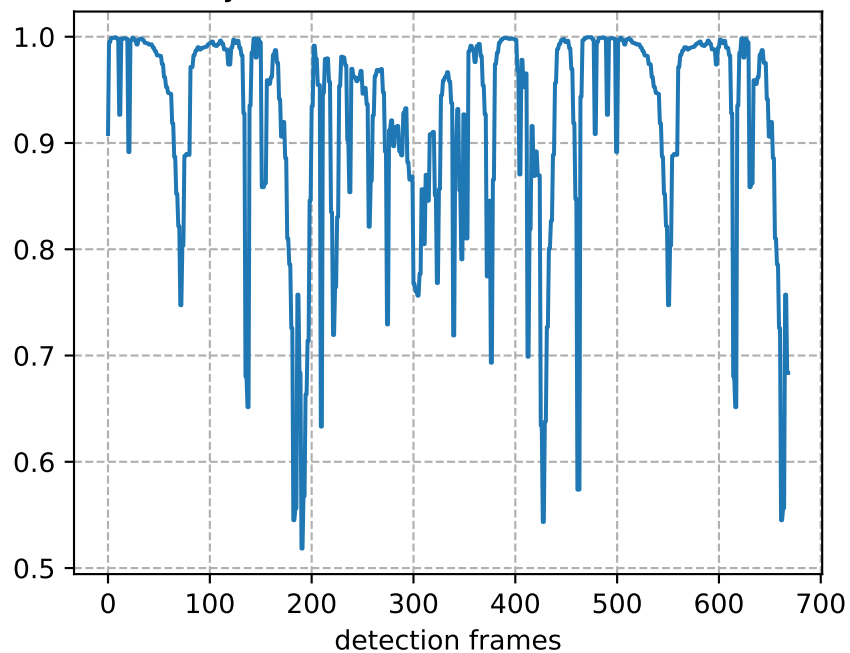
Fraction of image occupied by target [%] - MIN = [0.69]



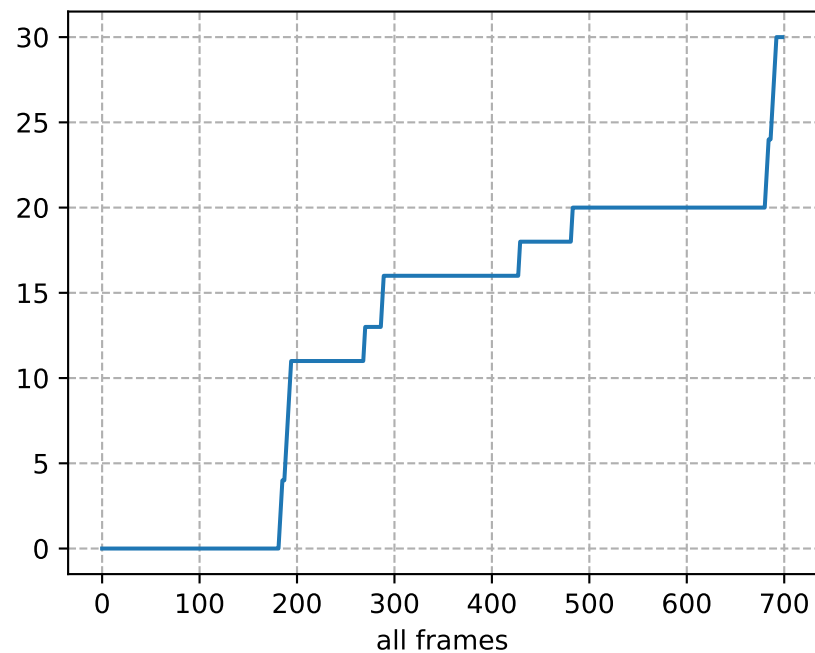
Target pixel size - MIN = [575.0]



Probability of correct estimation - AVG = [0.92]

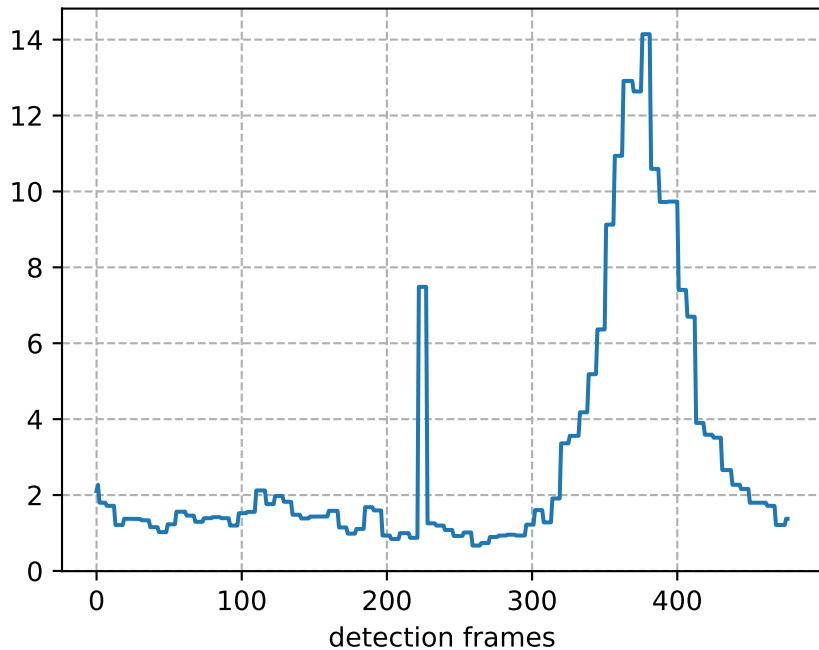


Count of missed detections

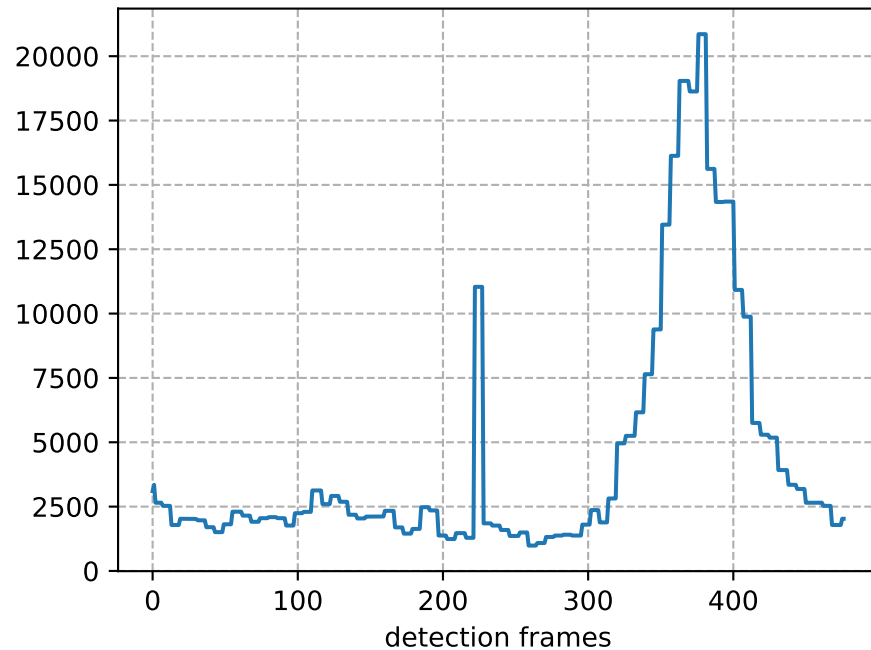


Performance Report for close-512-10-bb.csv - ACC = [0.94%]

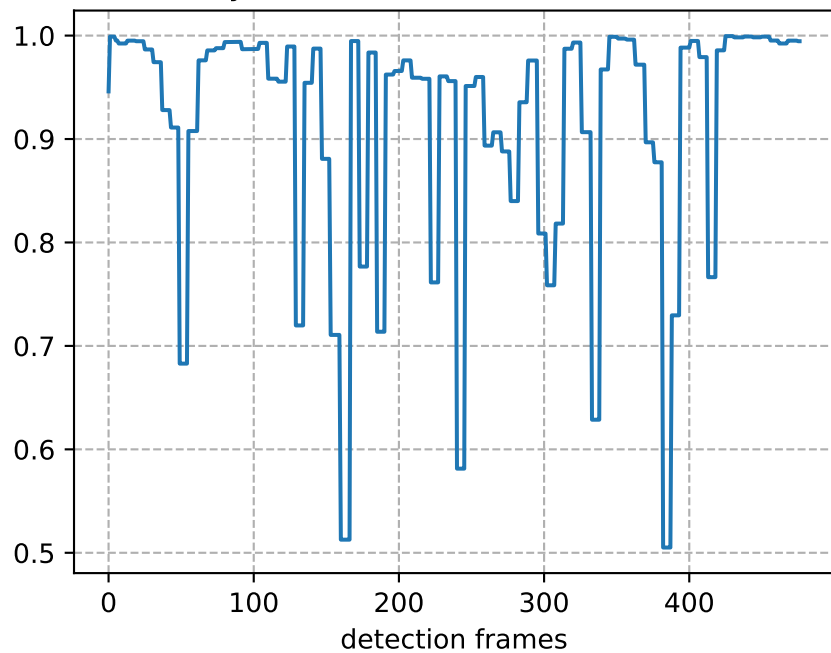
Fraction of image occupied by target [%] - MIN = [0.67]



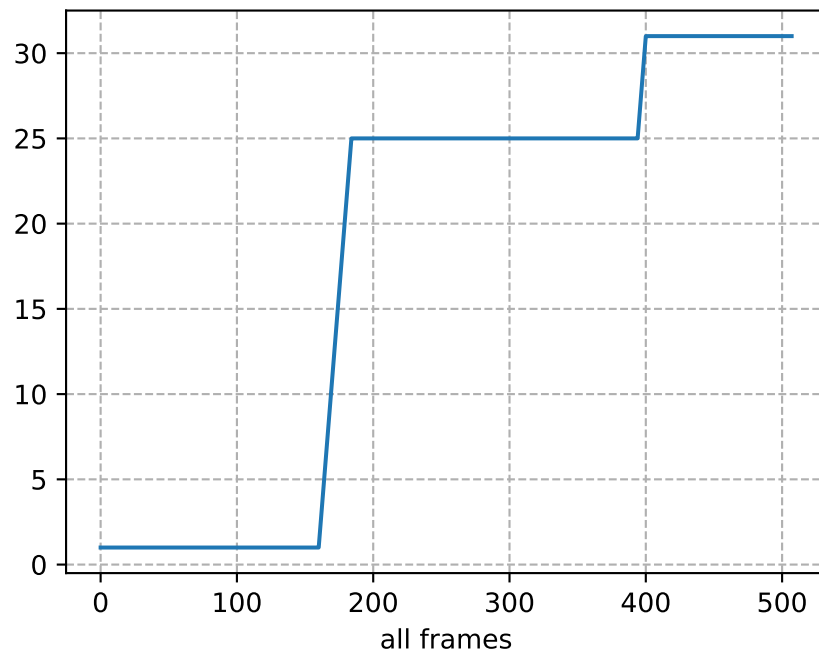
Target pixel size - MIN = [986.0]



Probability of correct estimation - AVG = [0.91]

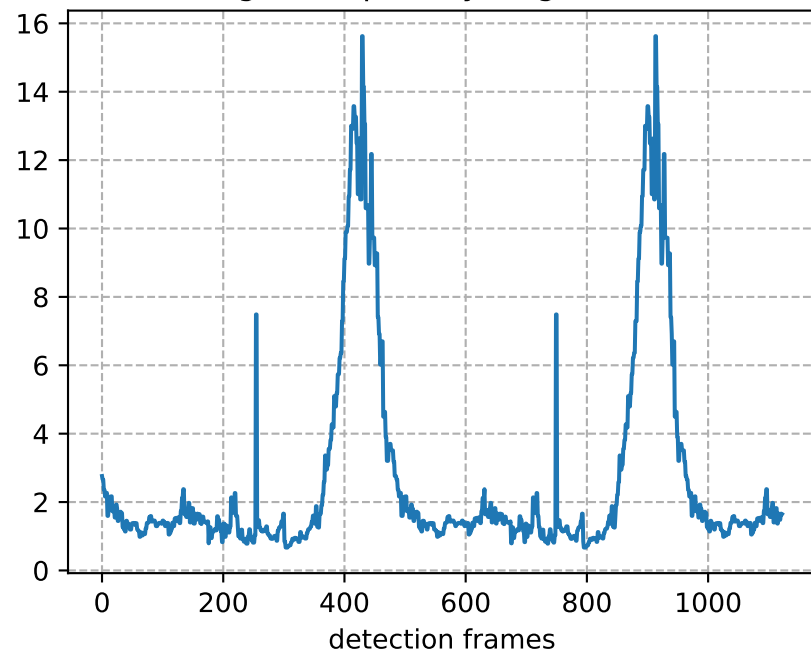


Count of missed detections

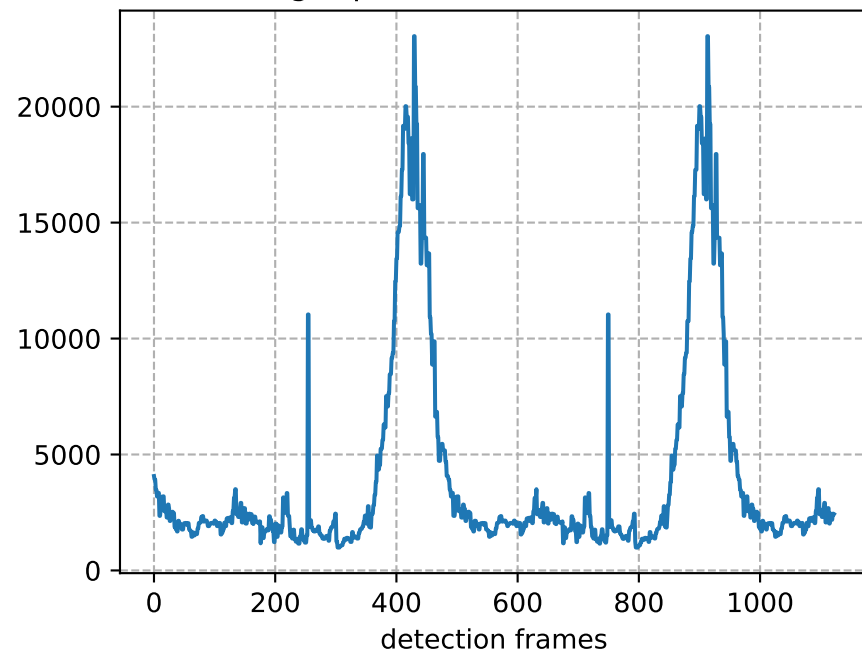


Performance Report for close-512-30-bb.csv - ACC = [0.97%]

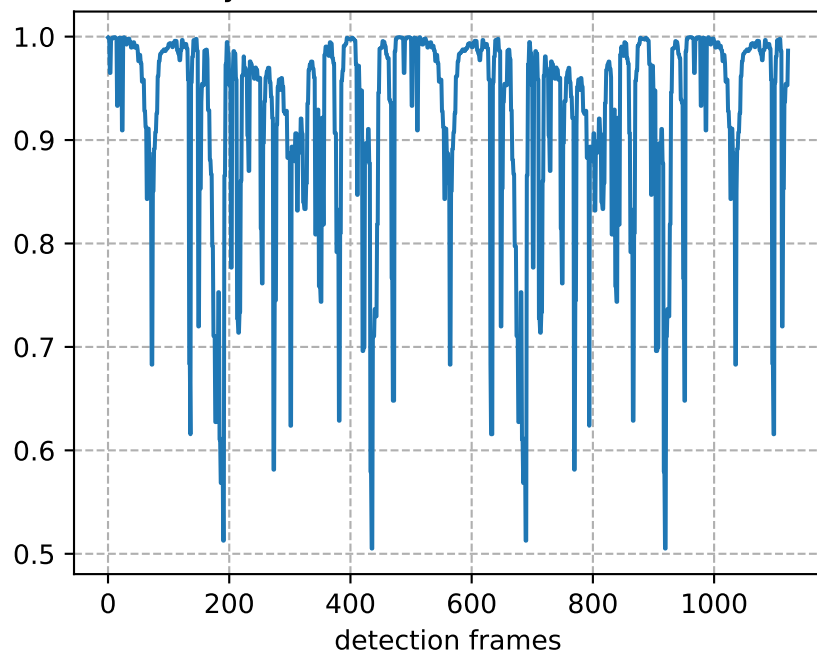
Fraction of image occupied by target [%] - MIN = [0.67]



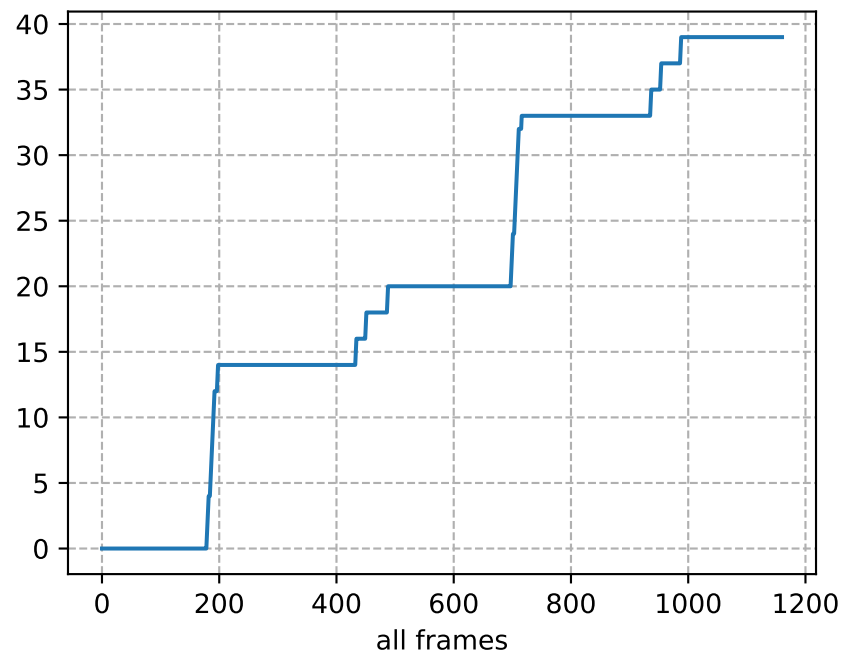
Target pixel size - MIN = [986.0]



Probability of correct estimation - AVG = [0.92]

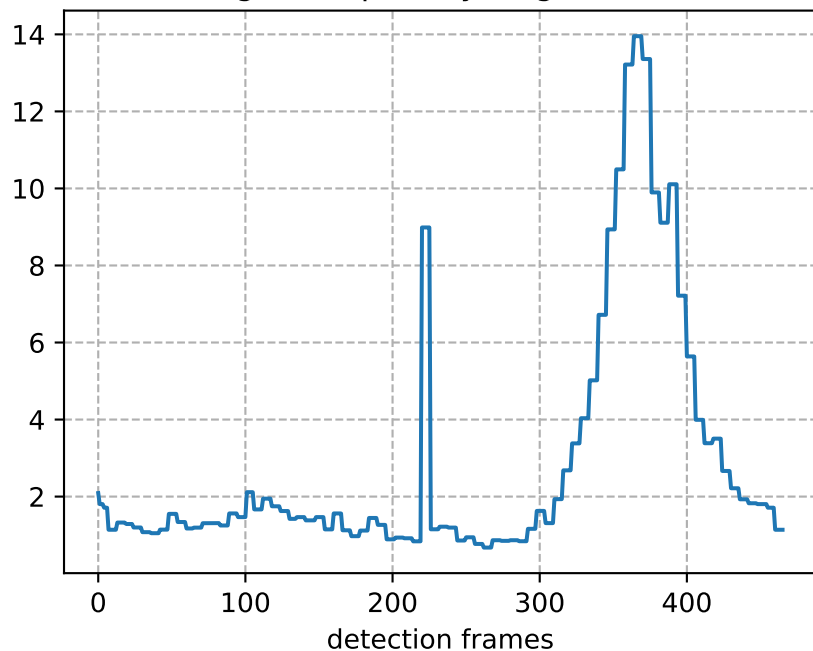


Count of missed detections

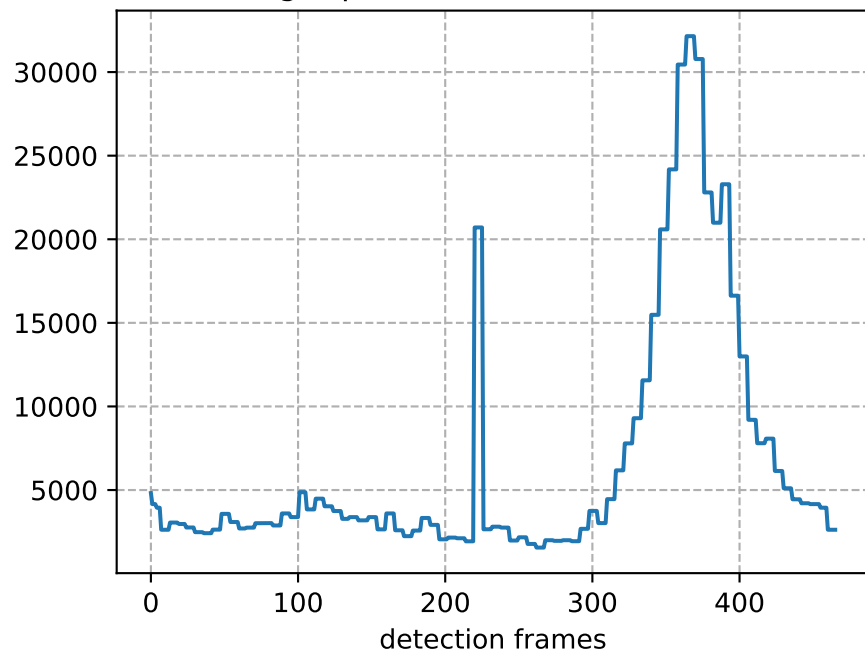


Performance Report for close-640-10-bb.csv - ACC = [0.96%]

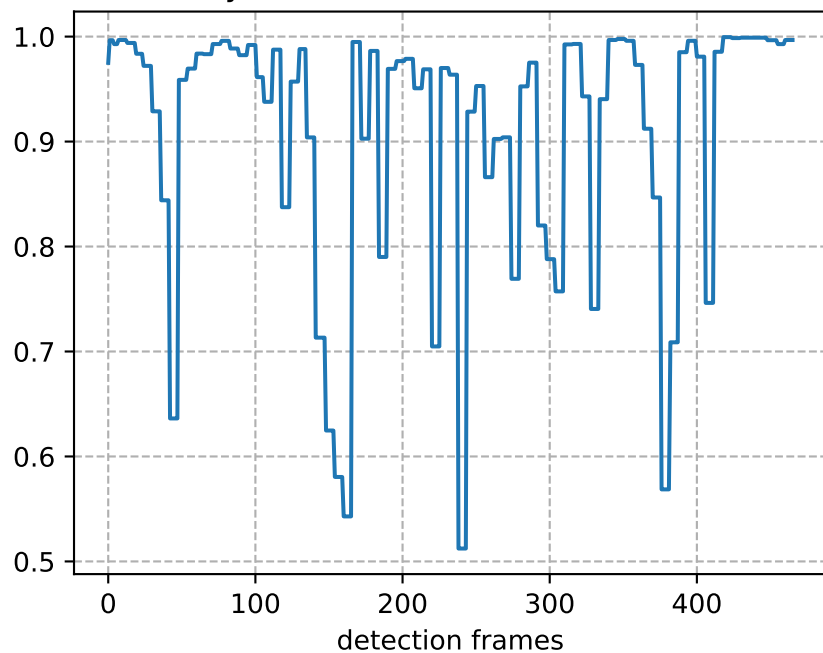
Fraction of image occupied by target [%] - MIN = [0.68]



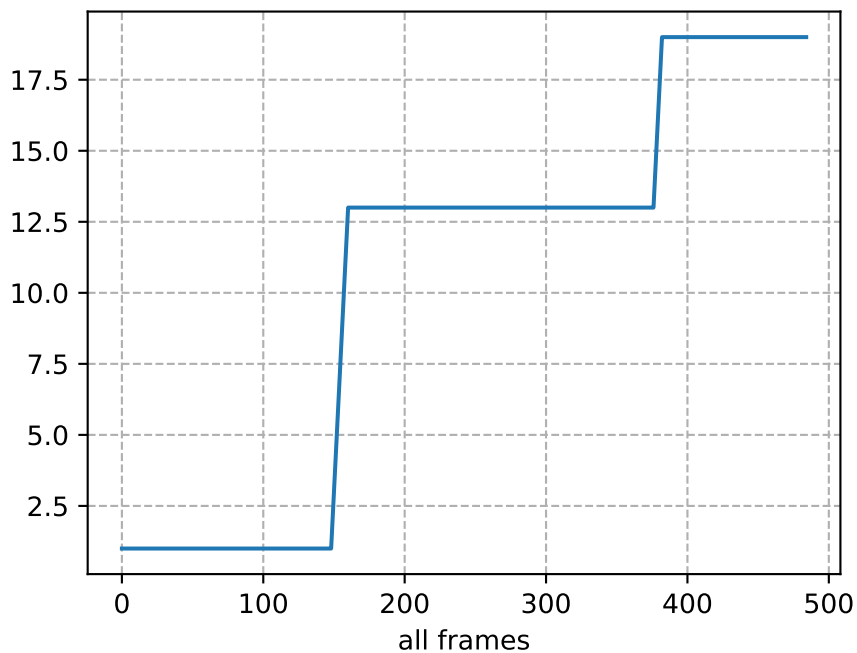
Target pixel size - MIN = [1558.0]



Probability of correct estimation - AVG = [0.91]

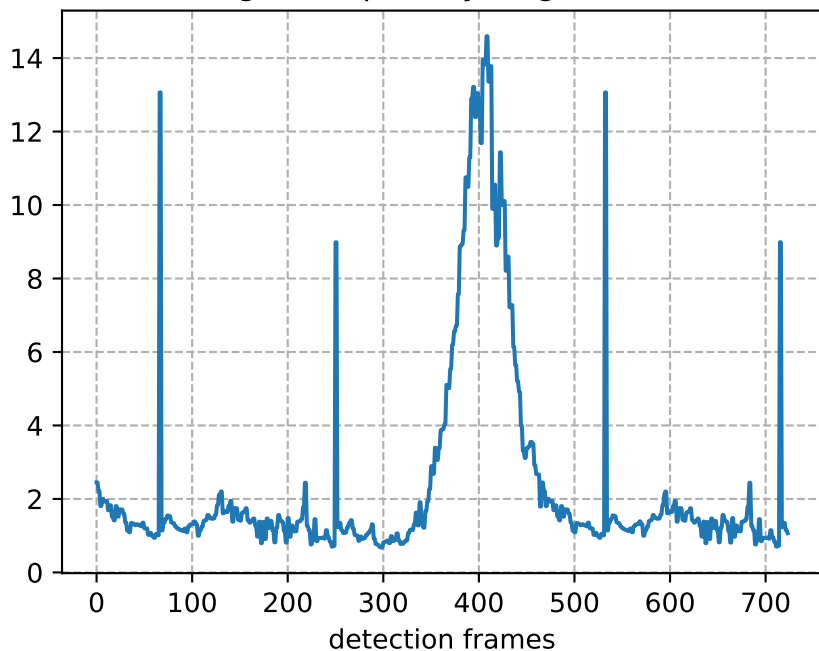


Count of missed detections

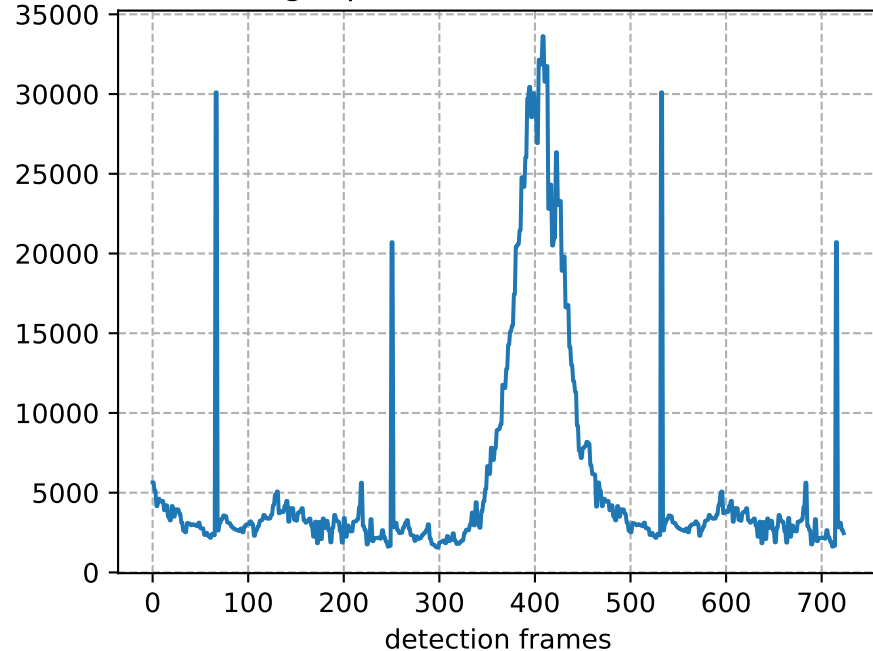


Performance Report for close-640-30-bb.csv - ACC = [0.97%]

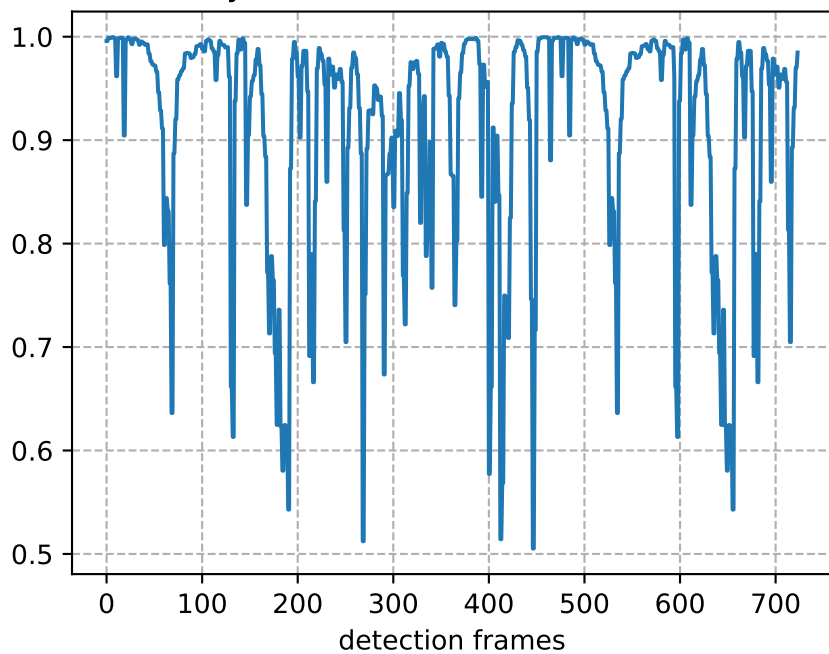
Fraction of image occupied by target [%] - MIN = [0.68]



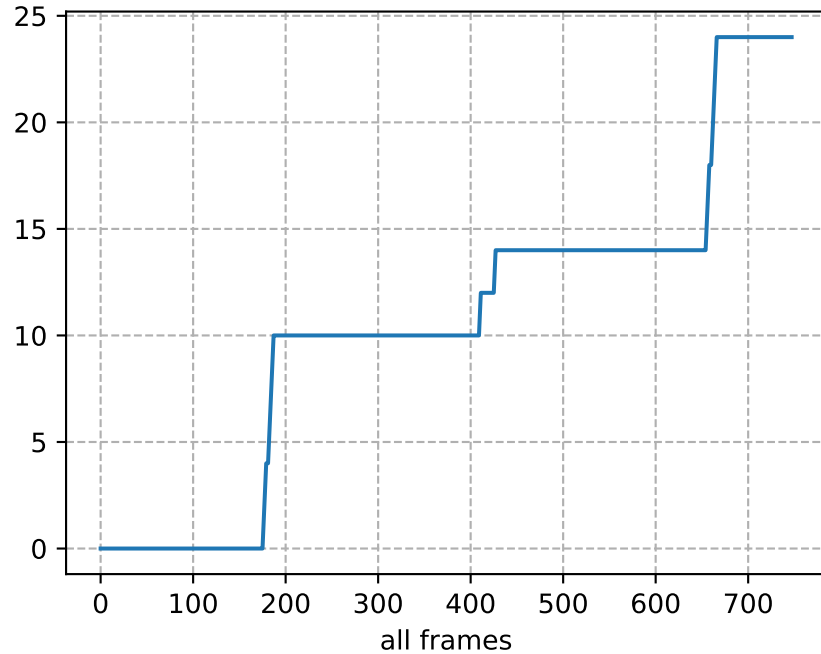
Target pixel size - MIN = [1558.0]



Probability of correct estimation - AVG = [0.91]

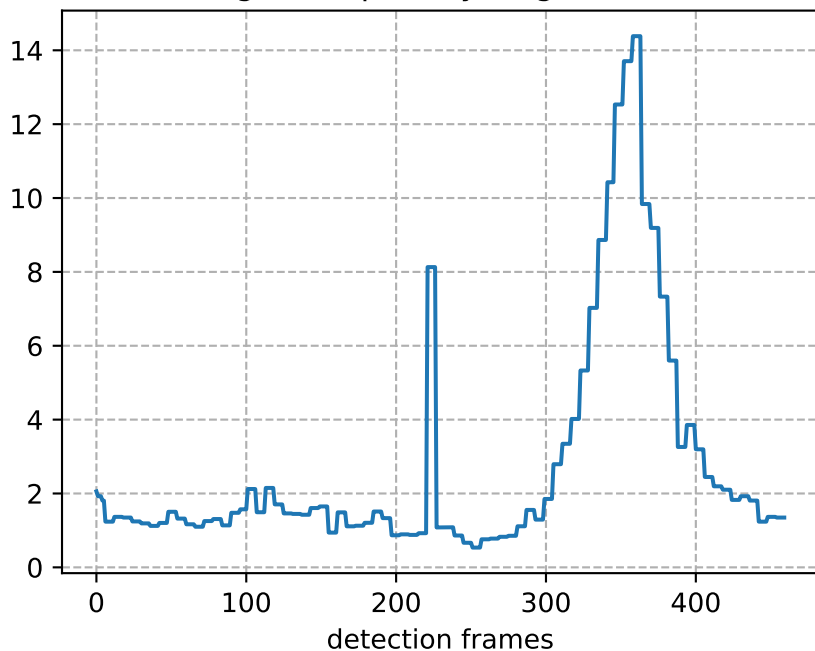


Count of missed detections

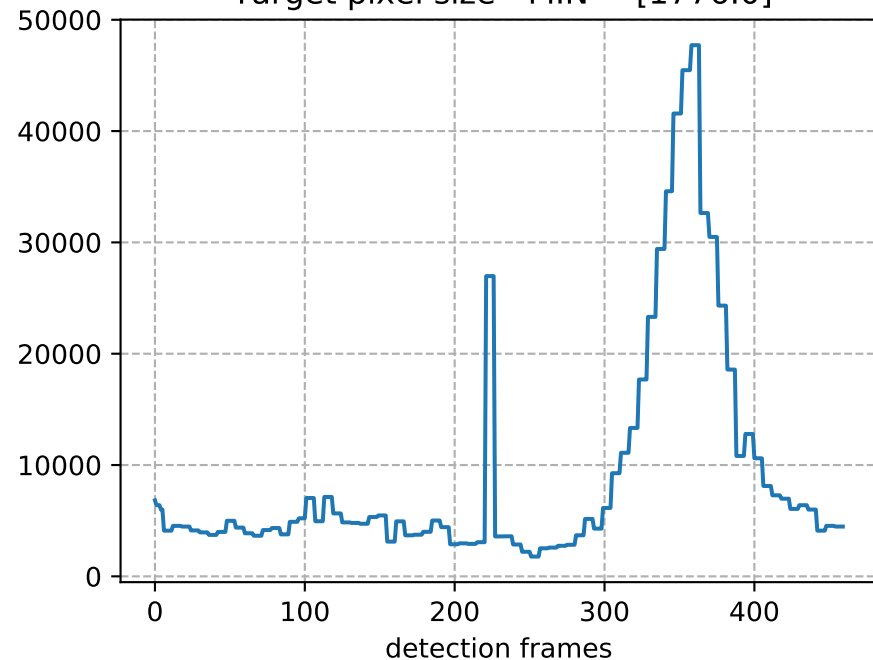


Performance Report for close-768-10-bb.csv - ACC = [0.94%]

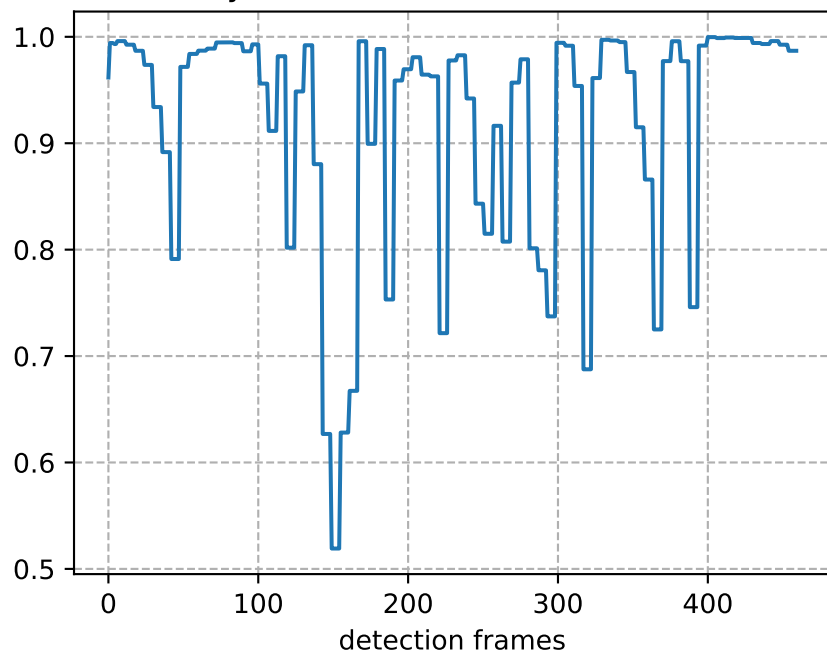
Fraction of image occupied by target [%] - MIN = [0.54]



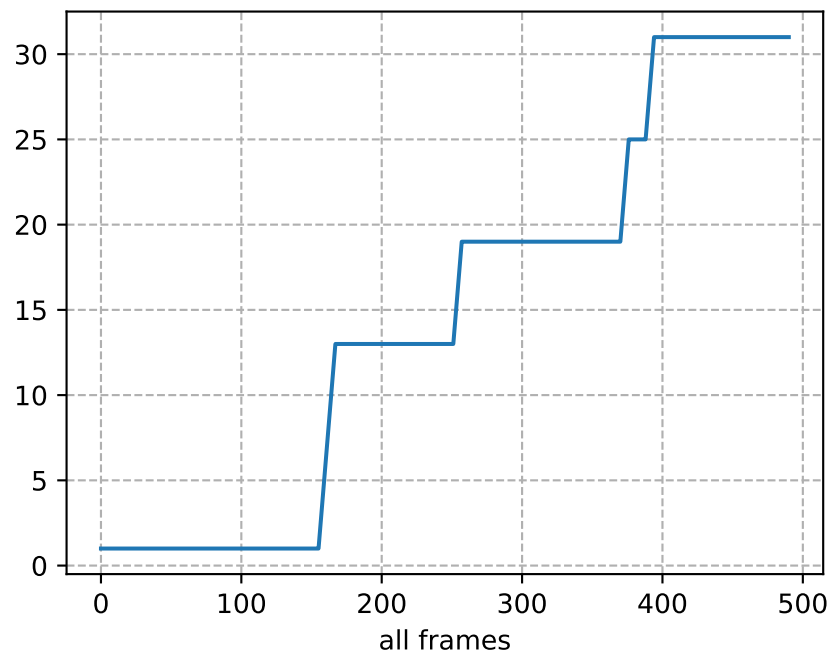
Target pixel size - MIN = [1776.0]



Probability of correct estimation - AVG = [0.92]

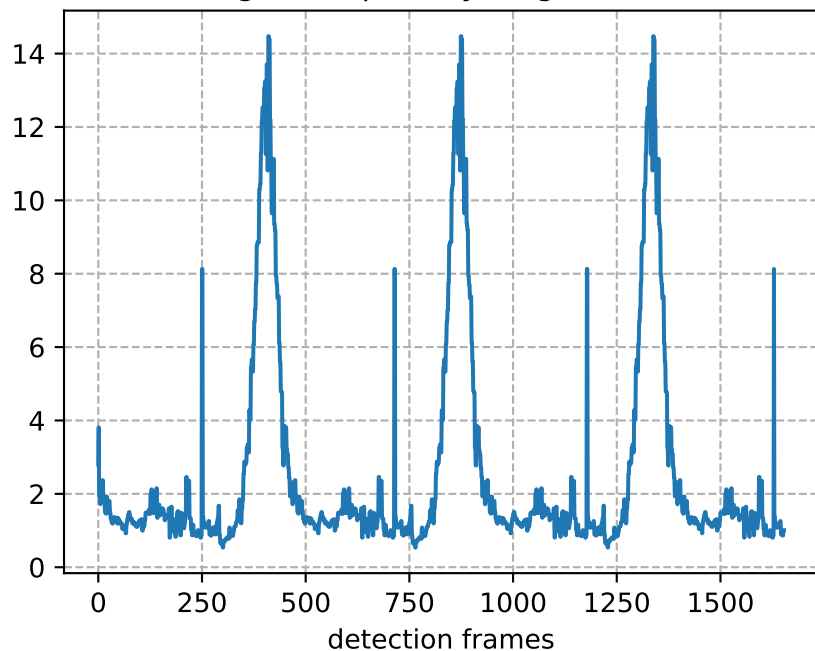


Count of missed detections

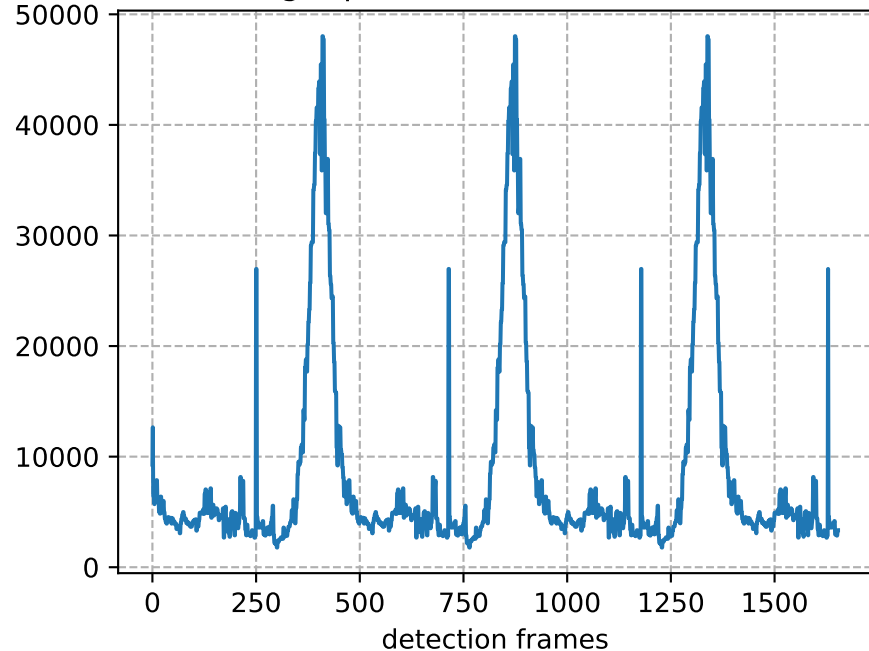


Performance Report for close-768-30-bb.csv - ACC = [0.96%]

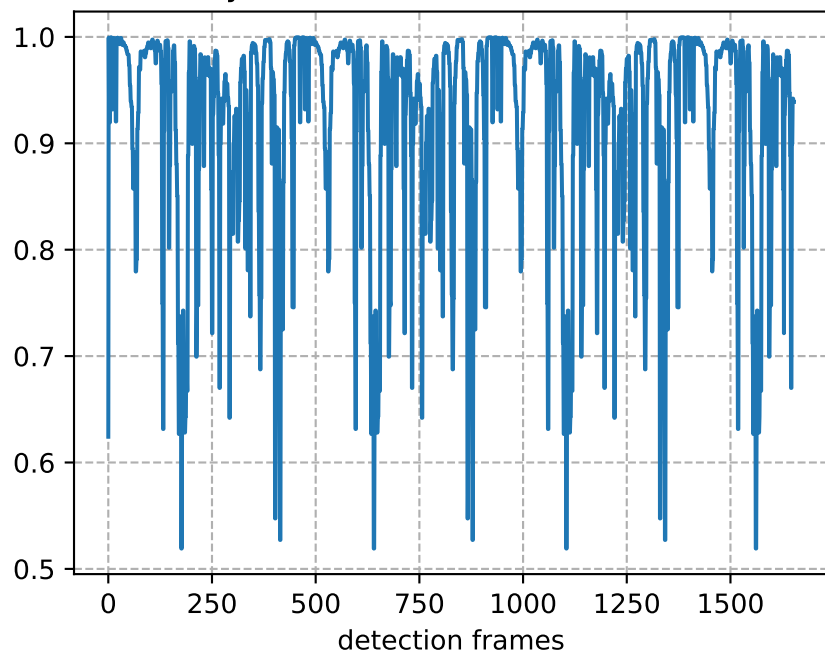
Fraction of image occupied by target [%] - MIN = [0.54]



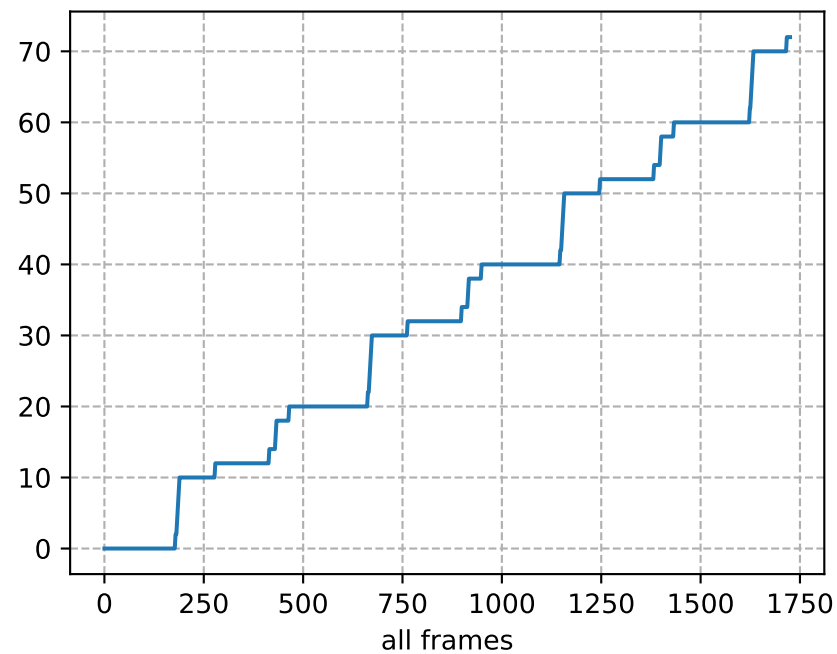
Target pixel size - MIN = [1776.0]



Probability of correct estimation - AVG = [0.92]

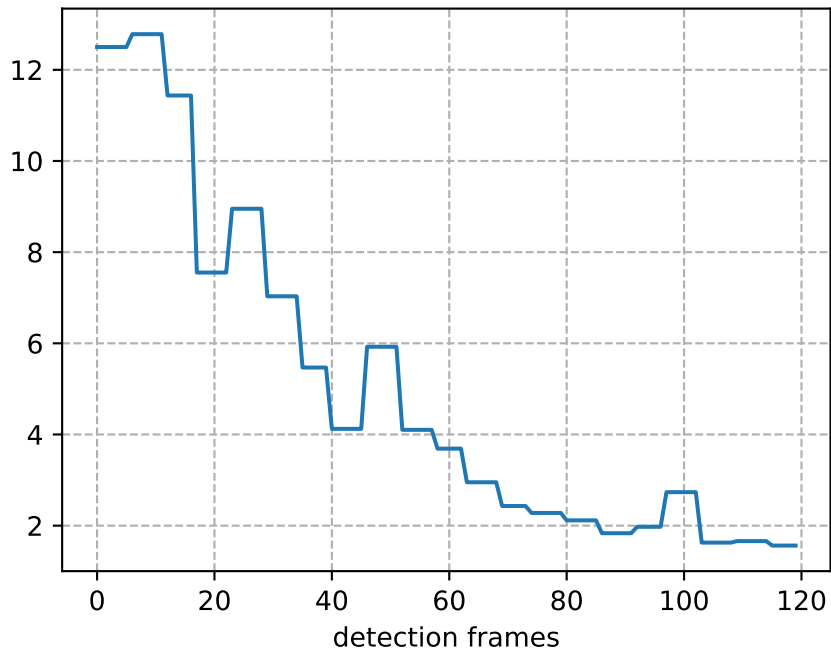


Count of missed detections

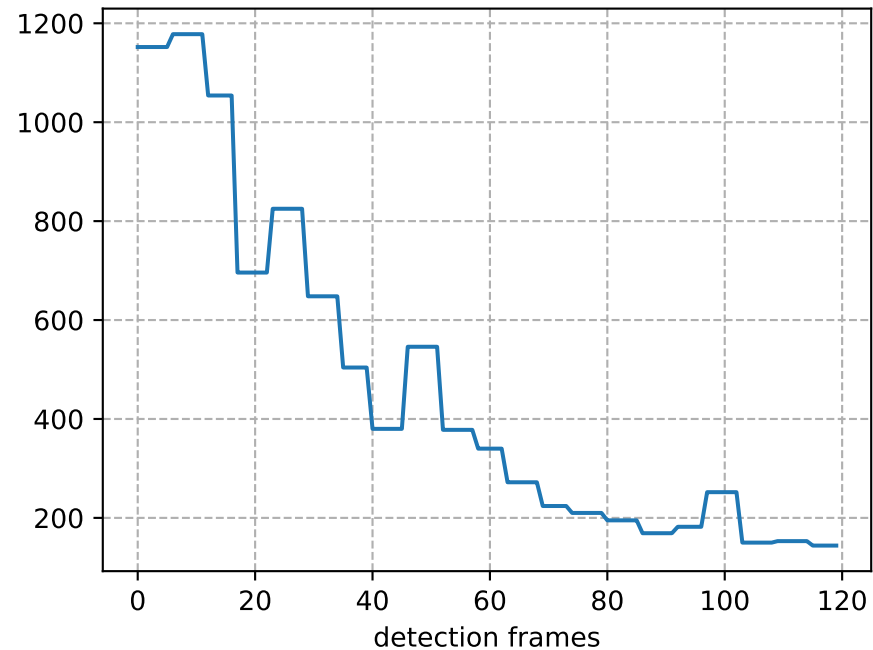


Performance Report for distance-128-10-bb.csv - ACC = [0.14%]

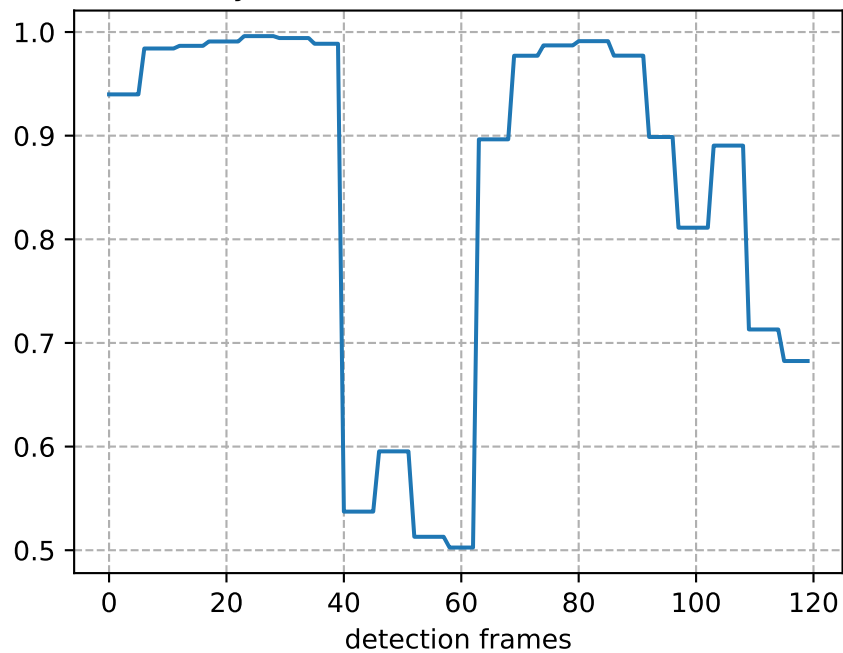
Fraction of image occupied by target [%] - MIN = [1.56]



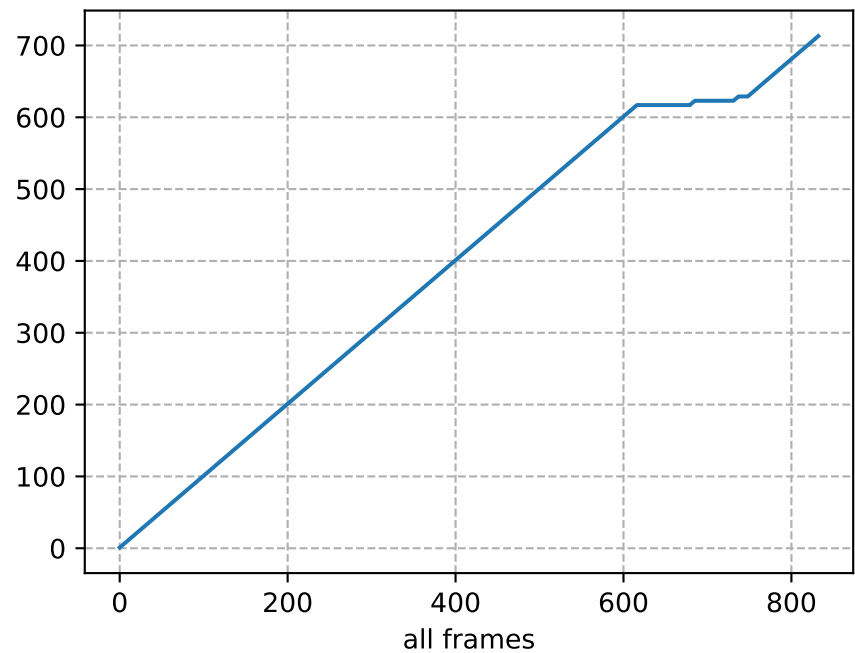
Target pixel size - MIN = [144.0]



Probability of correct estimation - AVG = [0.85]

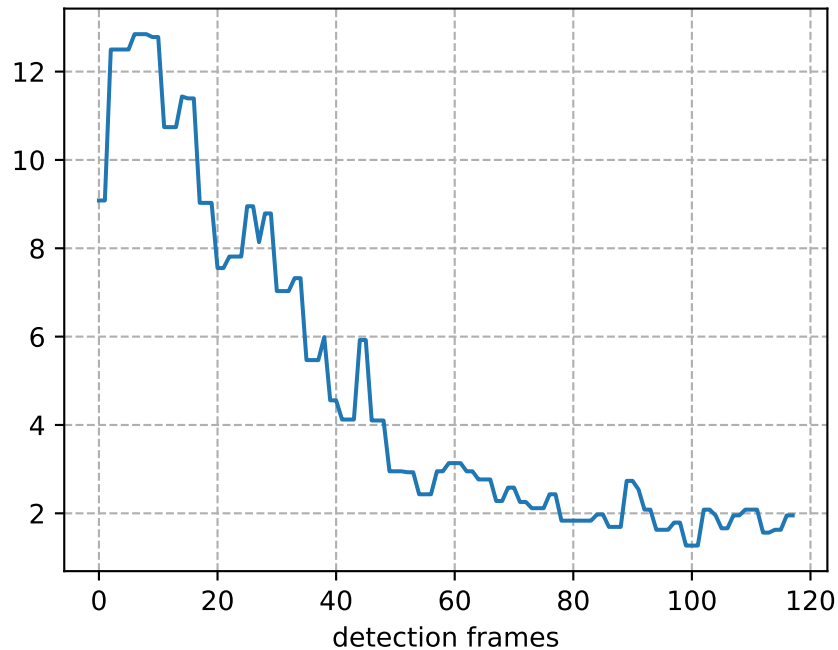


Count of missed detections

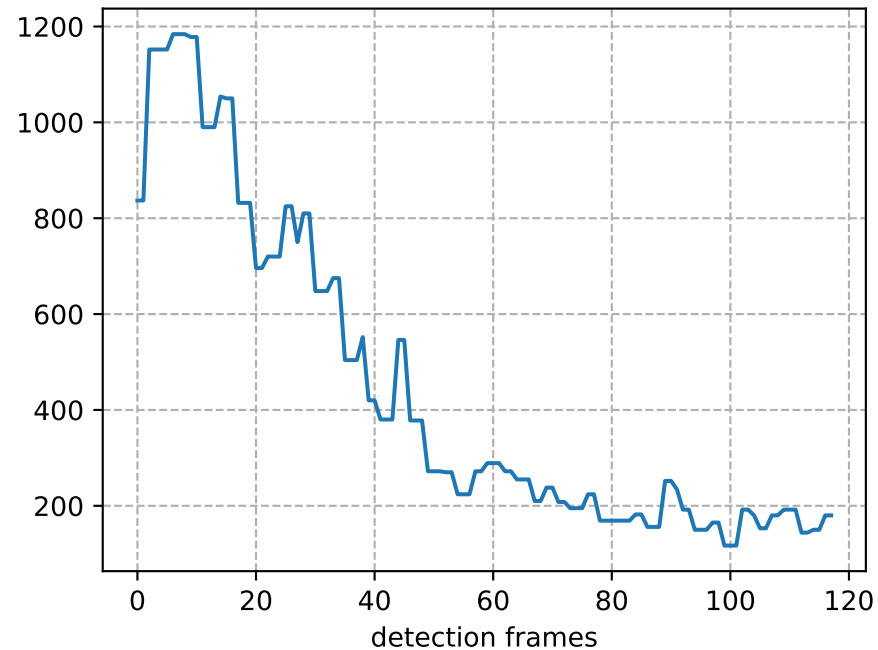


Performance Report for distance-128-30-bb.csv - ACC = [0.15%]

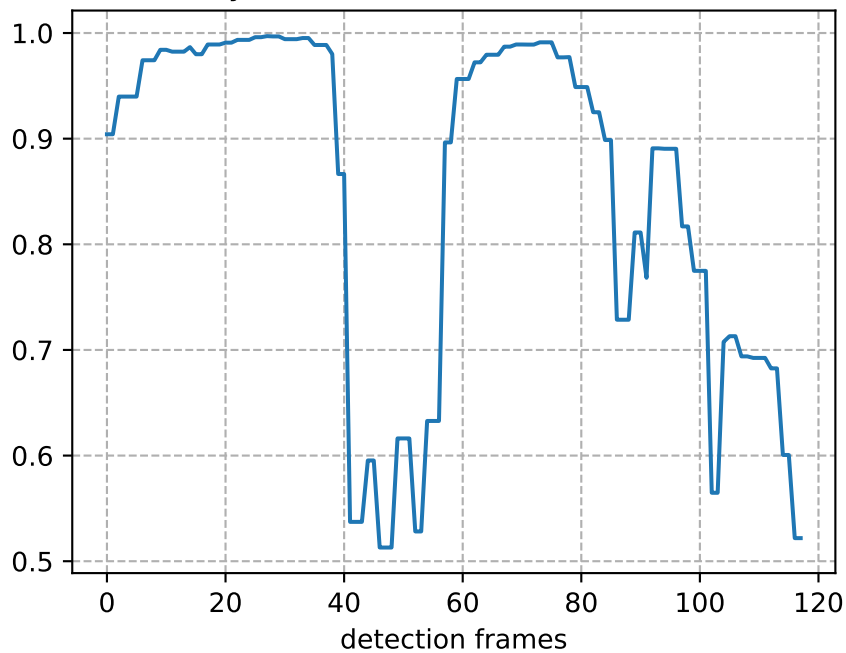
Fraction of image occupied by target [%] - MIN = [1.27]



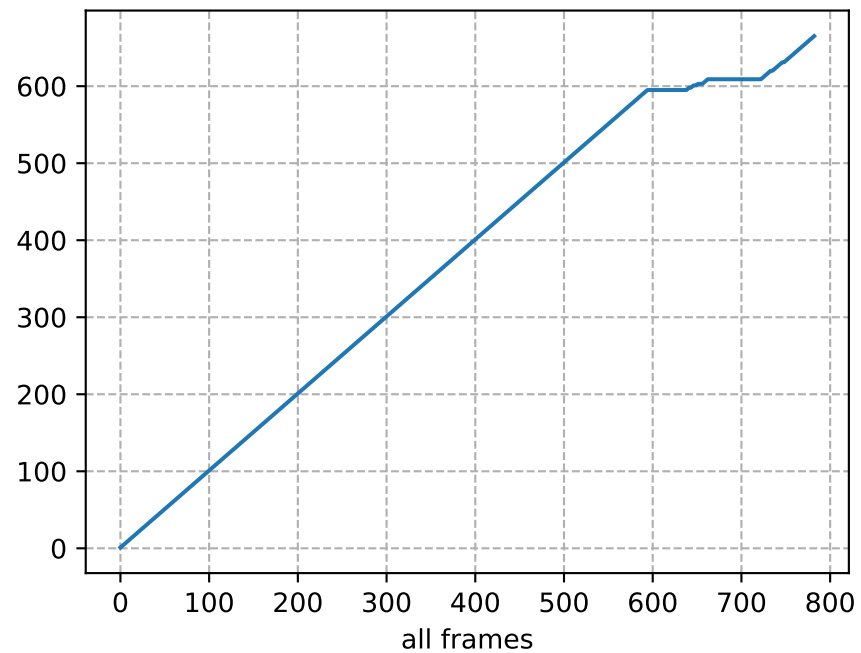
Target pixel size - MIN = [117.0]



Probability of correct estimation - AVG = [0.85]

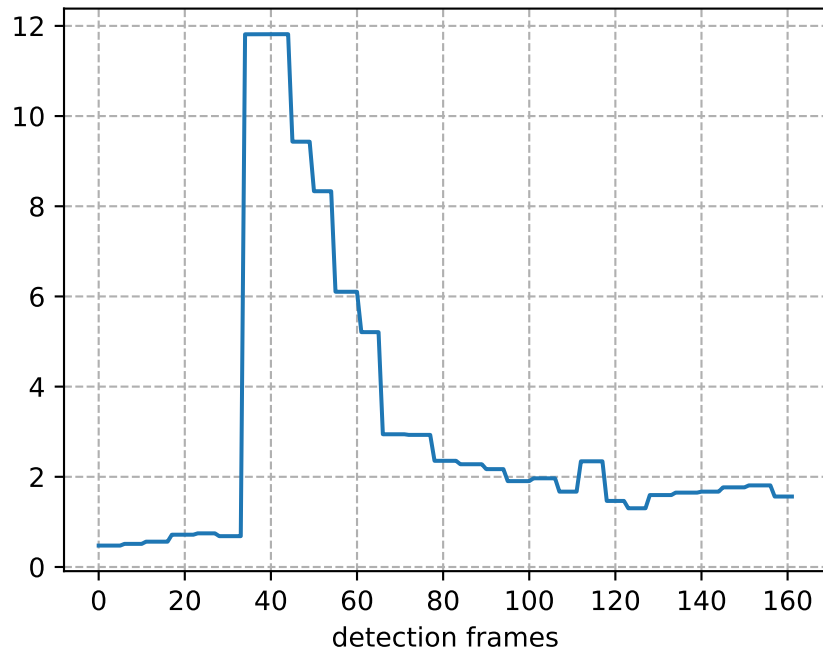


Count of missed detections

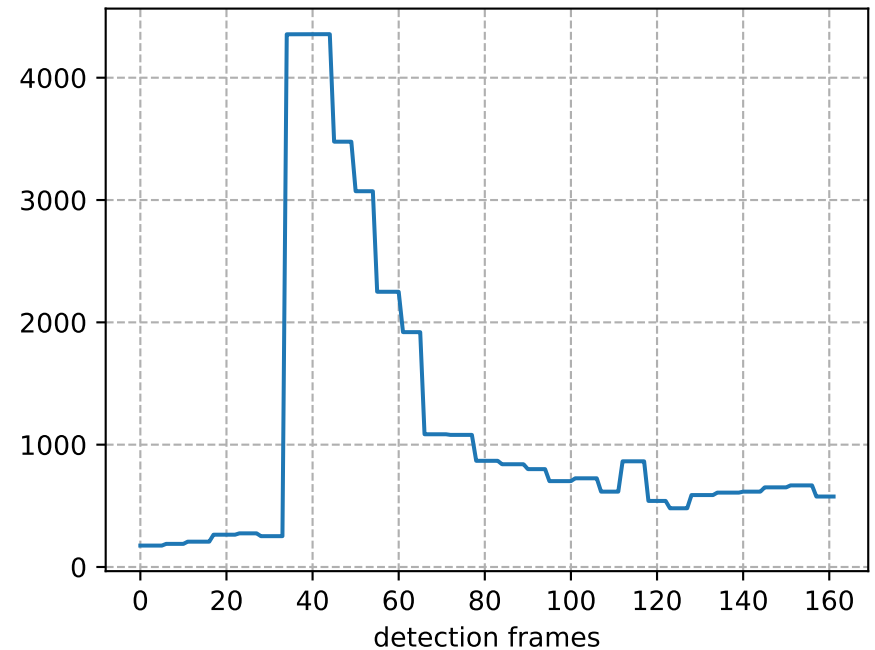


Performance Report for distance-256-10-bb.csv - ACC = [0.21%]

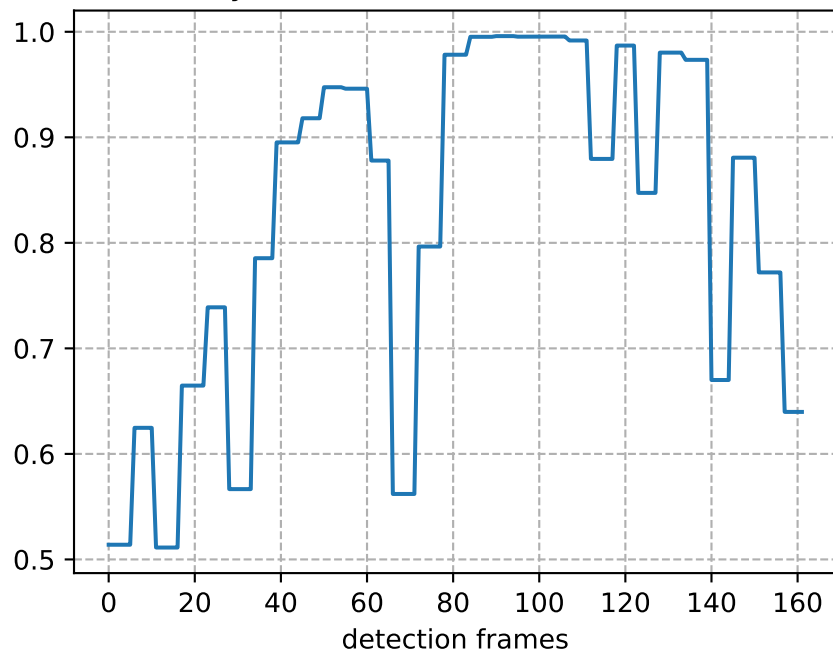
Fraction of image occupied by target [%] - MIN = [0.47]



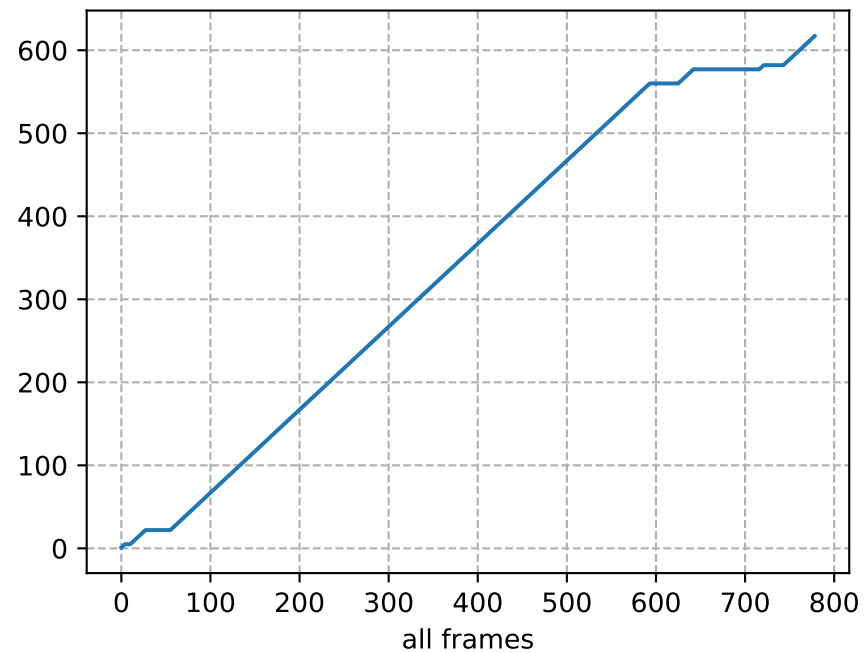
Target pixel size - MIN = [175.0]



Probability of correct estimation - AVG = [0.82]

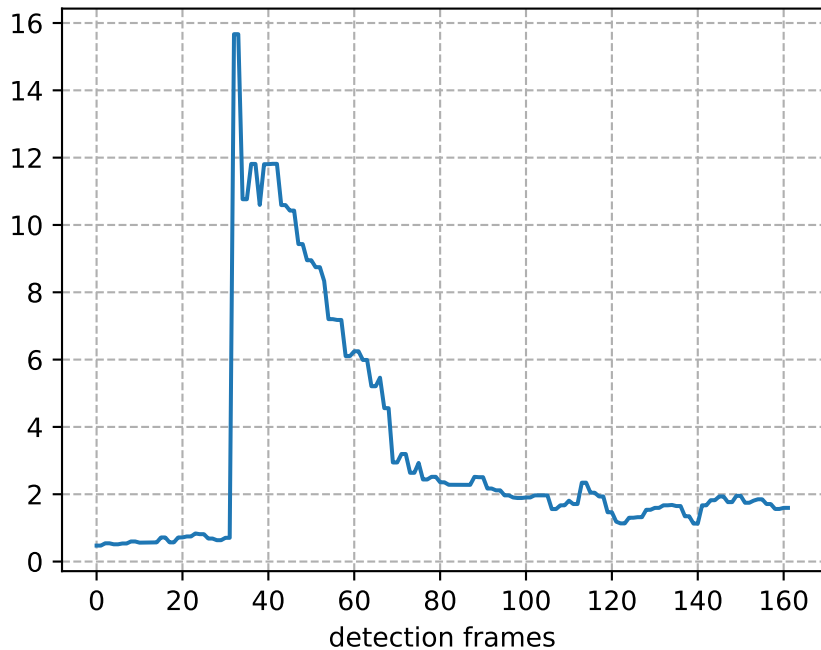


Count of missed detections

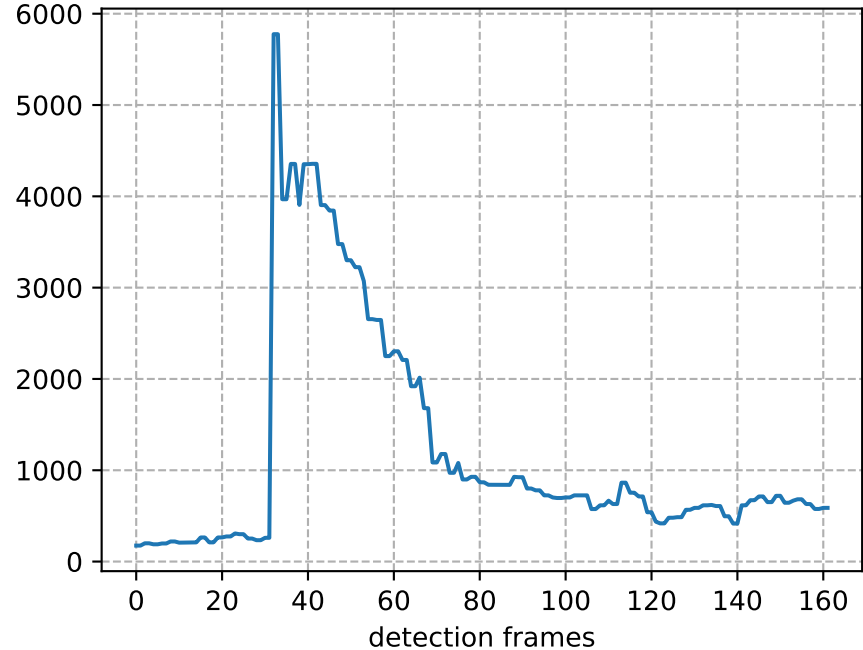


Performance Report for distance-256-30-bb.csv - ACC = [0.21%]

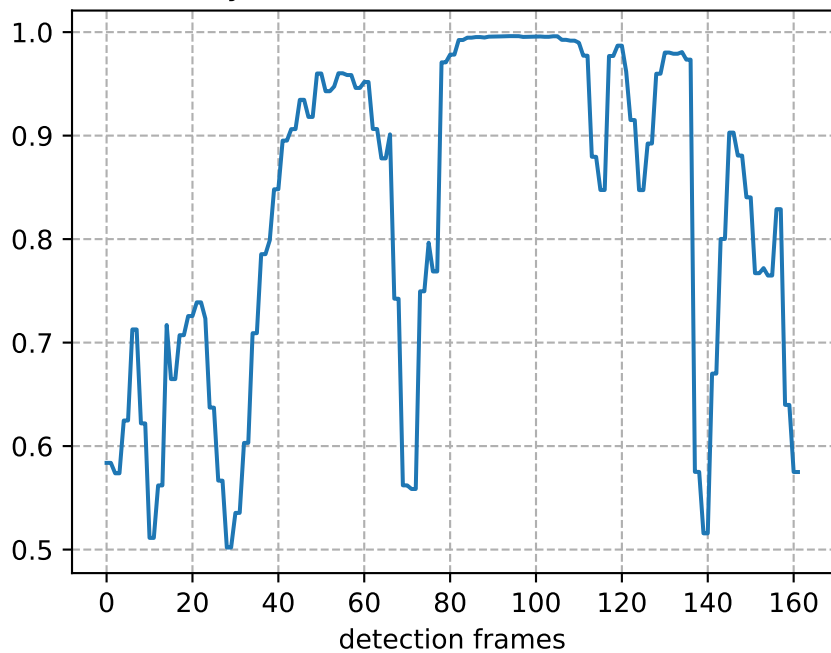
Fraction of image occupied by target [%] - MIN = [0.47]



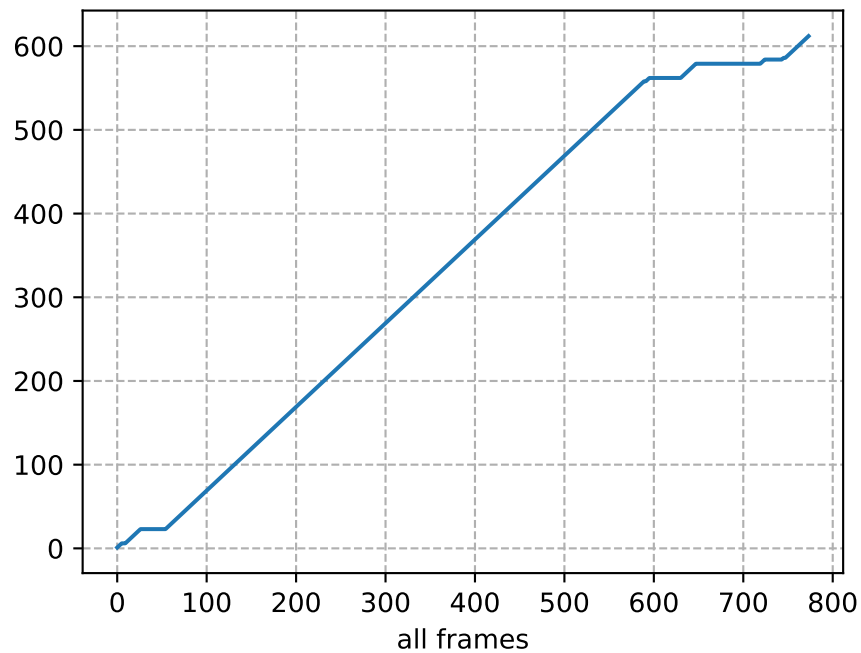
Target pixel size - MIN = [175.0]



Probability of correct estimation - AVG = [0.83]

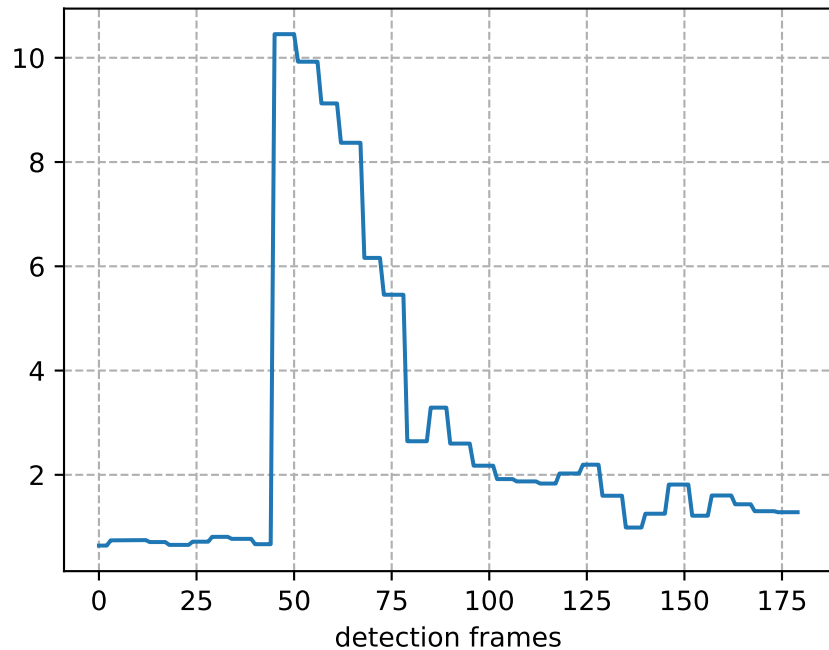


Count of missed detections

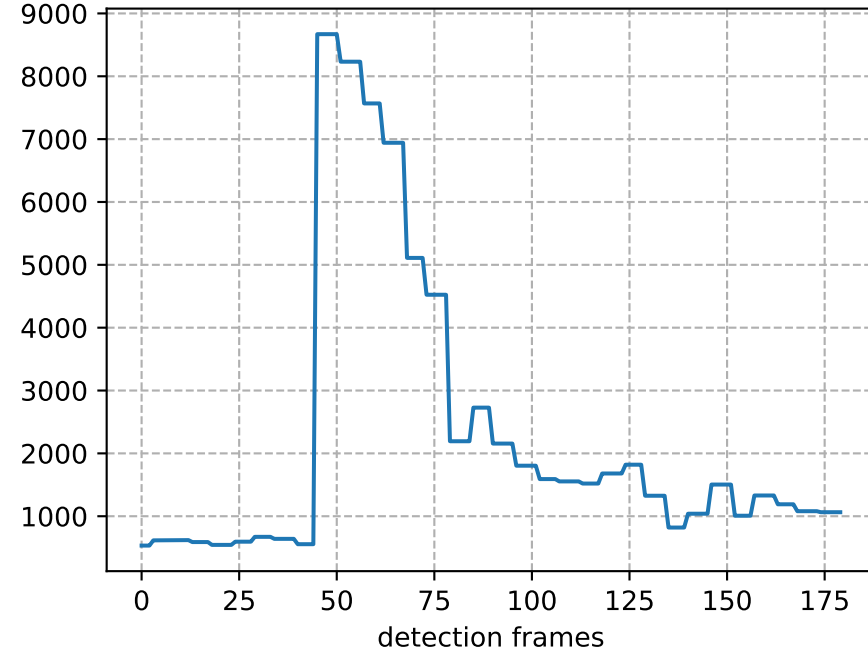


Performance Report for distance-384-10-bb.csv - ACC = [0.24%]

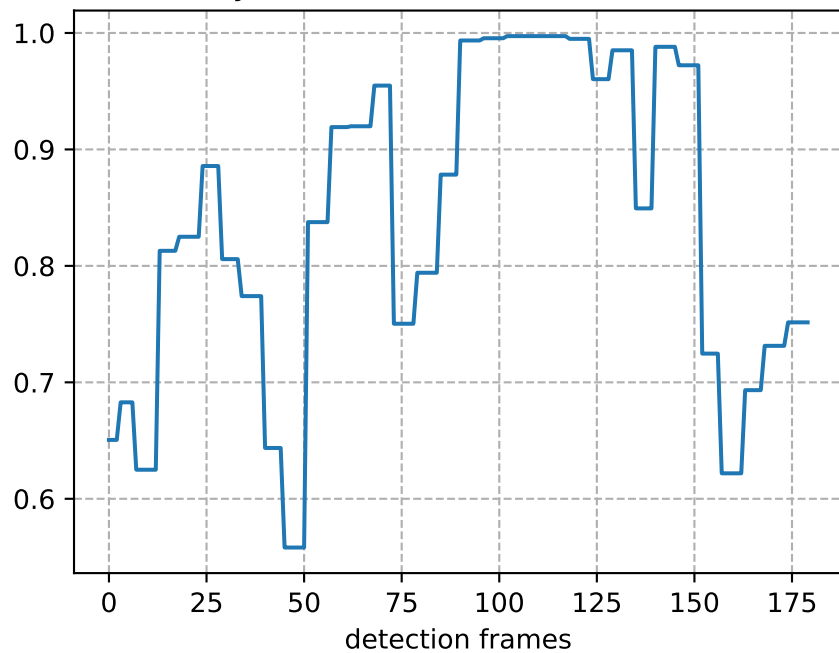
Fraction of image occupied by target [%] - MIN = [0.64]



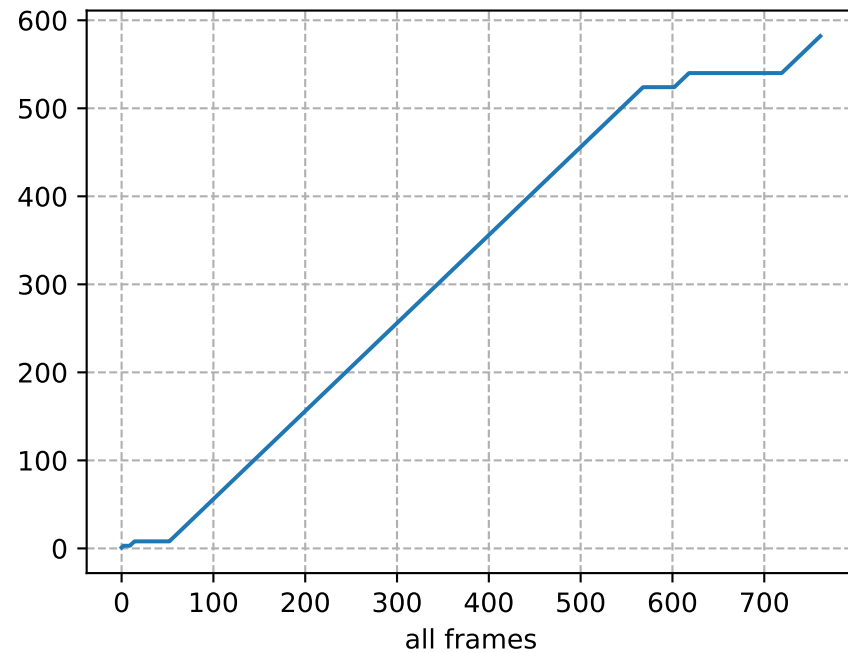
Target pixel size - MIN = [533.0]



Probability of correct estimation - AVG = [0.84]

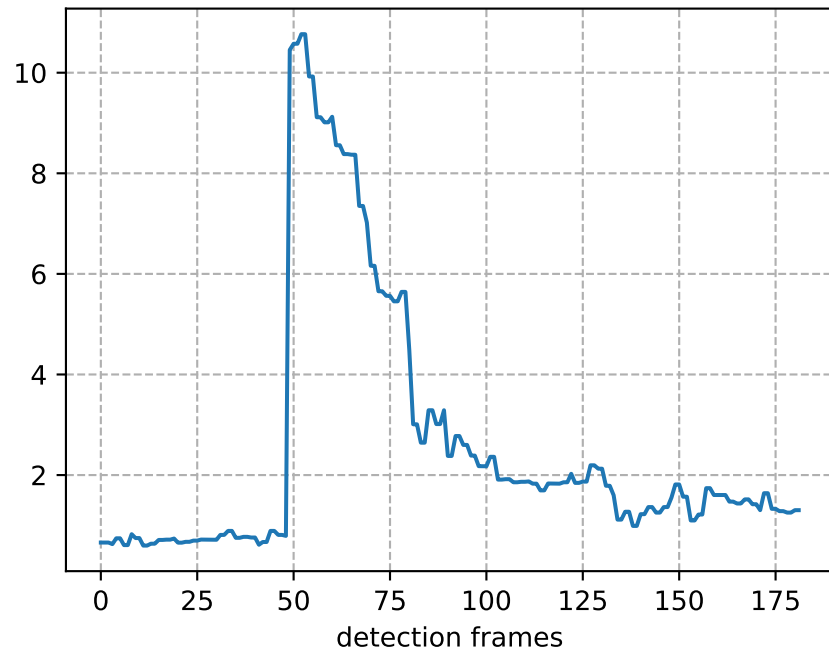


Count of missed detections

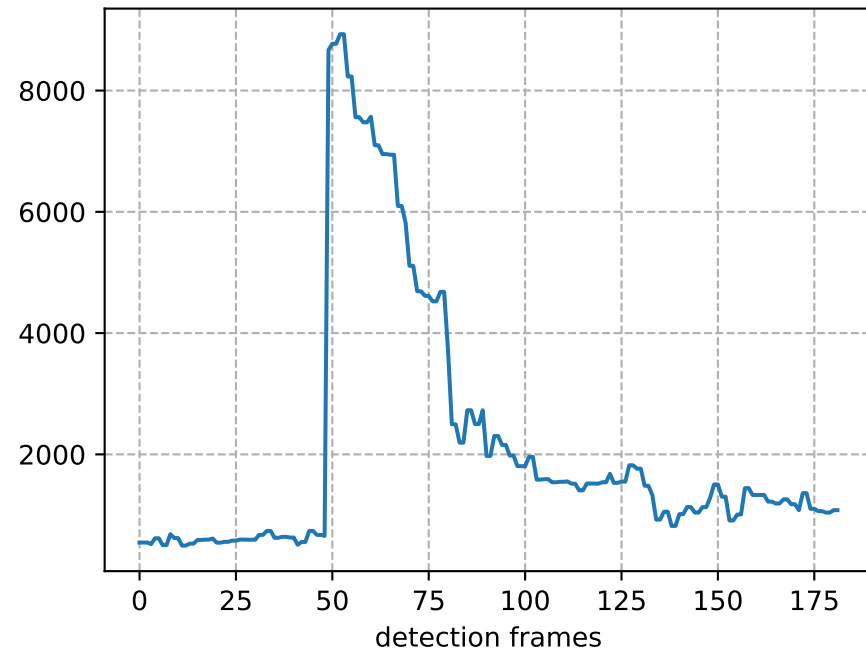


Performance Report for distance-384-30-bb.csv - ACC = [0.24%]

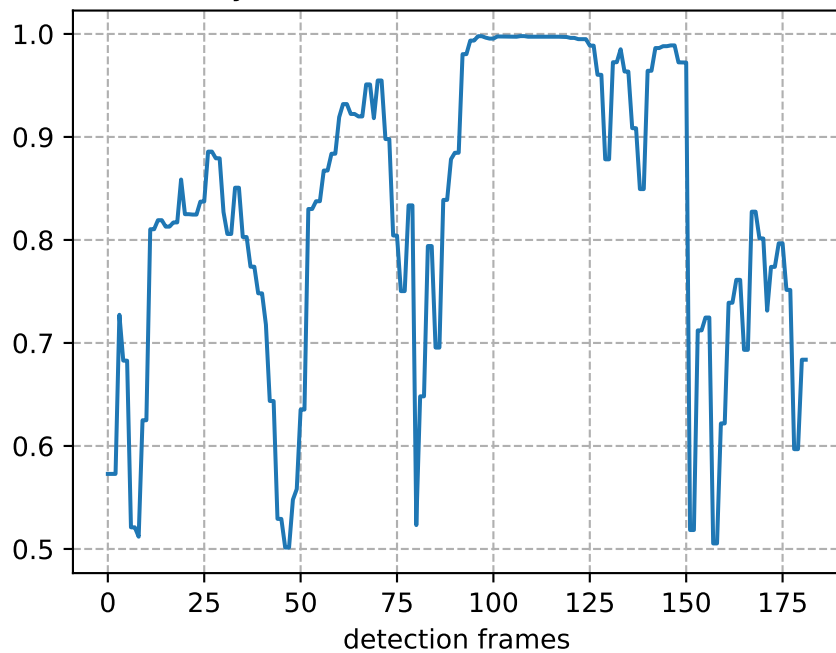
Fraction of image occupied by target [%] - MIN = [0.6]



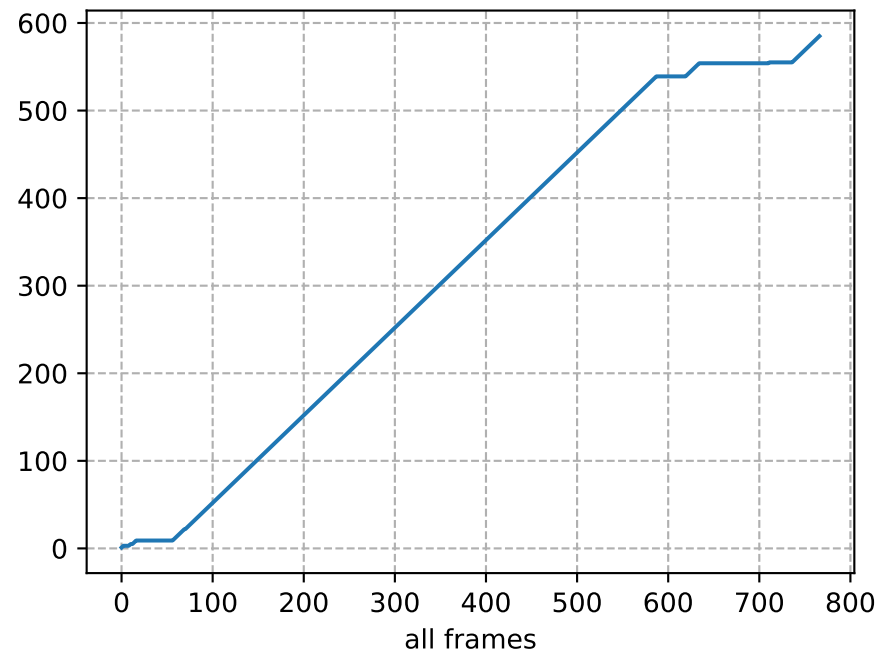
Target pixel size - MIN = [496.0]



Probability of correct estimation - AVG = [0.83]

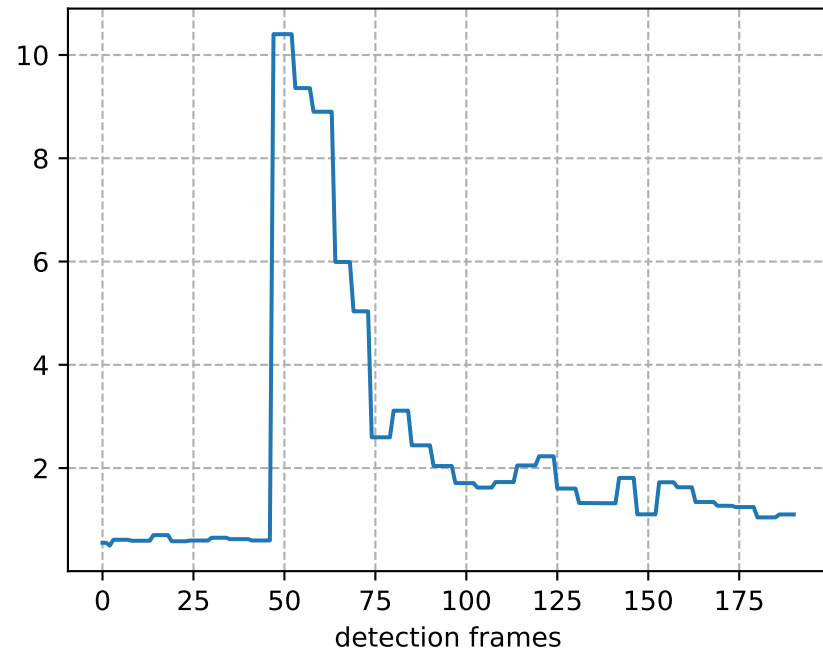


Count of missed detections

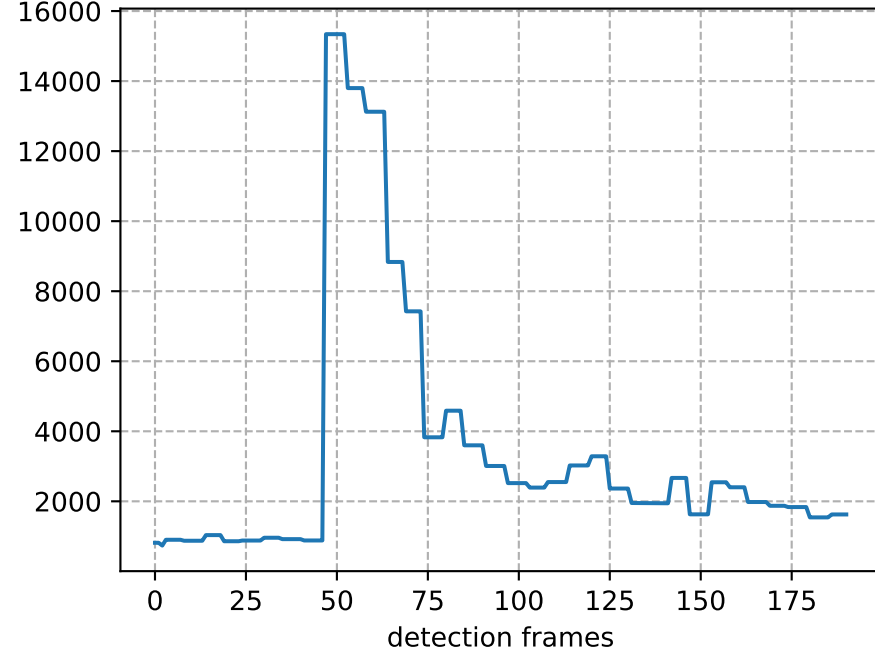


Performance Report for distance-512-10-bb.csv - ACC = [0.25%]

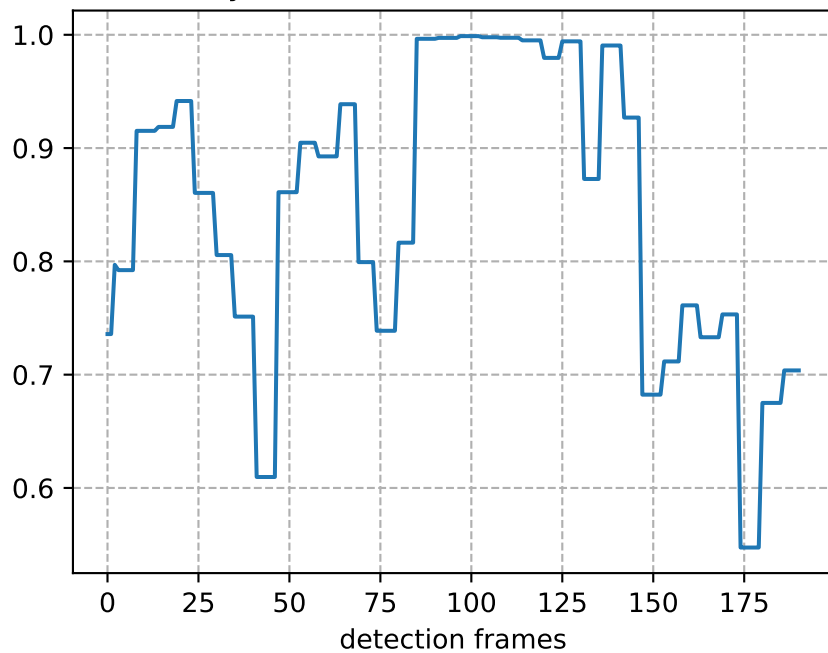
Fraction of image occupied by target [%] - MIN = [0.5]



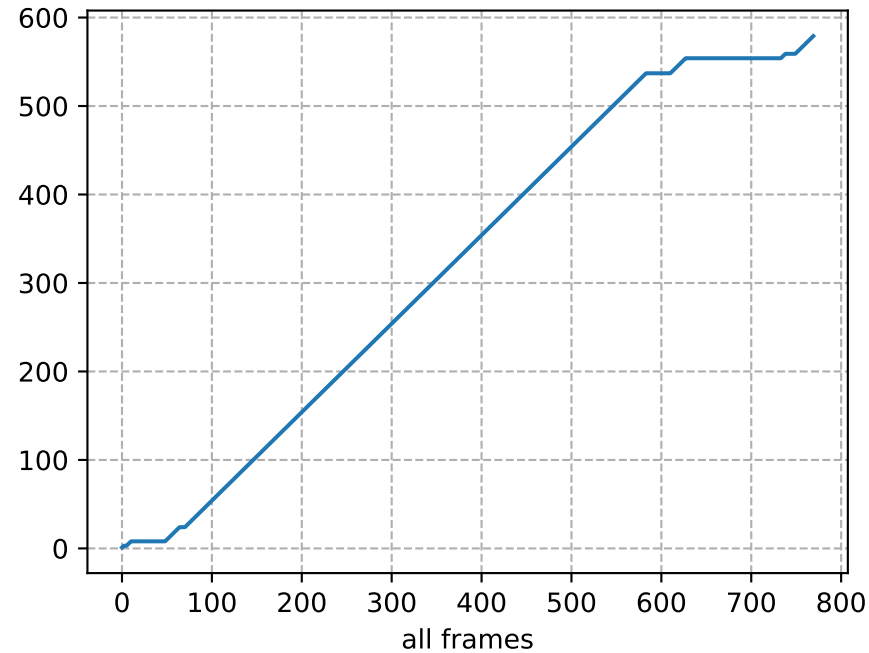
Target pixel size - MIN = [736.0]



Probability of correct estimation - AVG = [0.85]

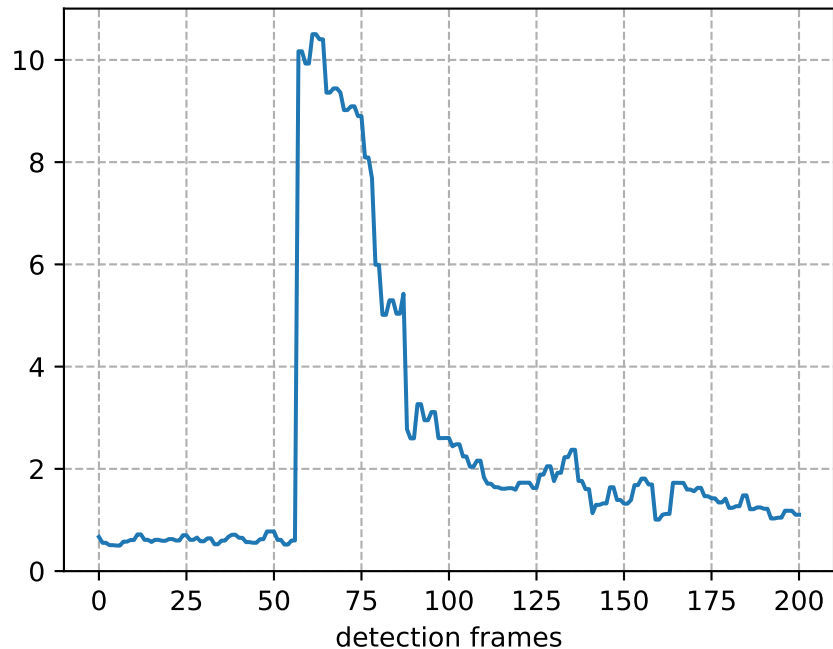


Count of missed detections

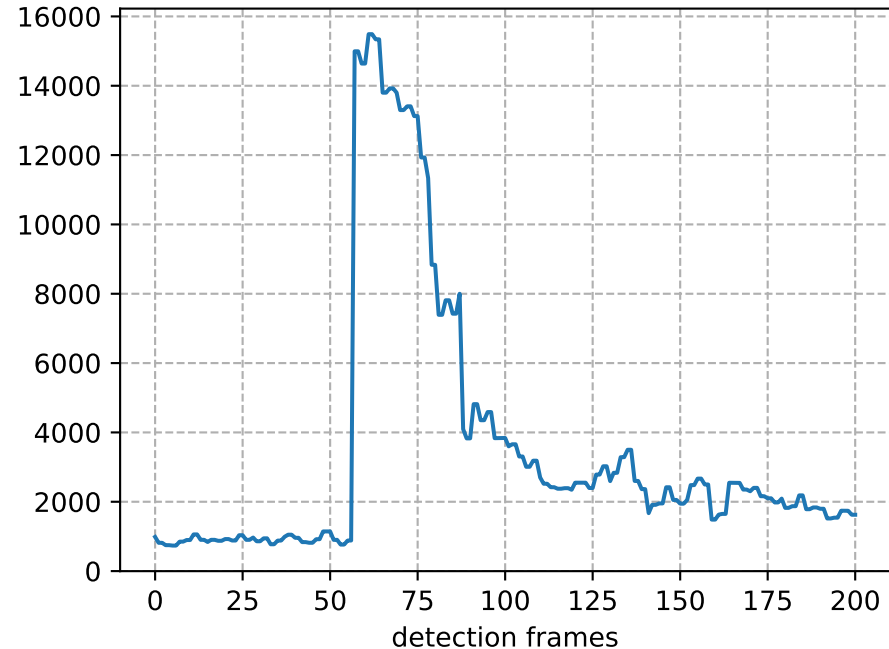


Performance Report for distance-512-30-bb.csv - ACC = [0.26%]

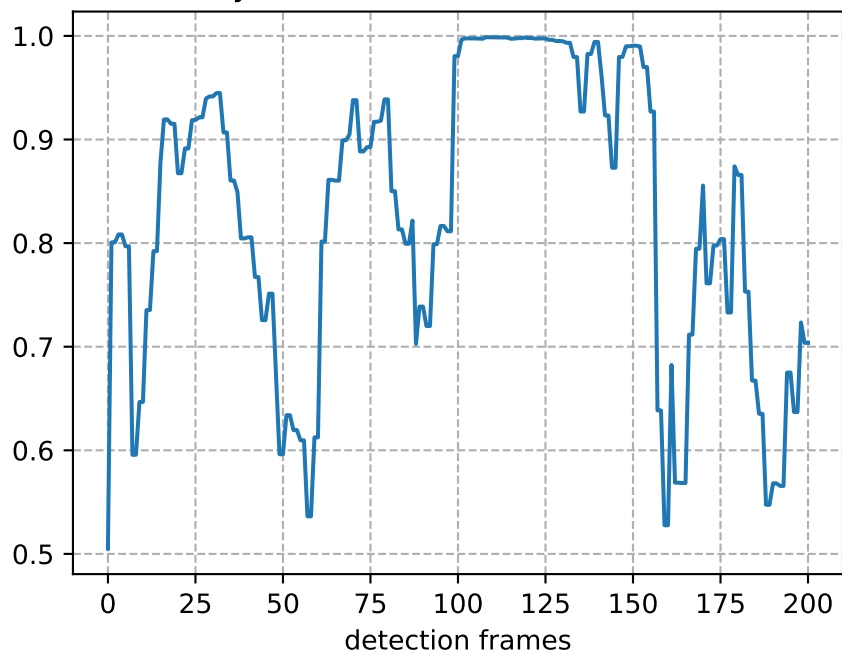
Fraction of image occupied by target [%] - MIN = [0.5]



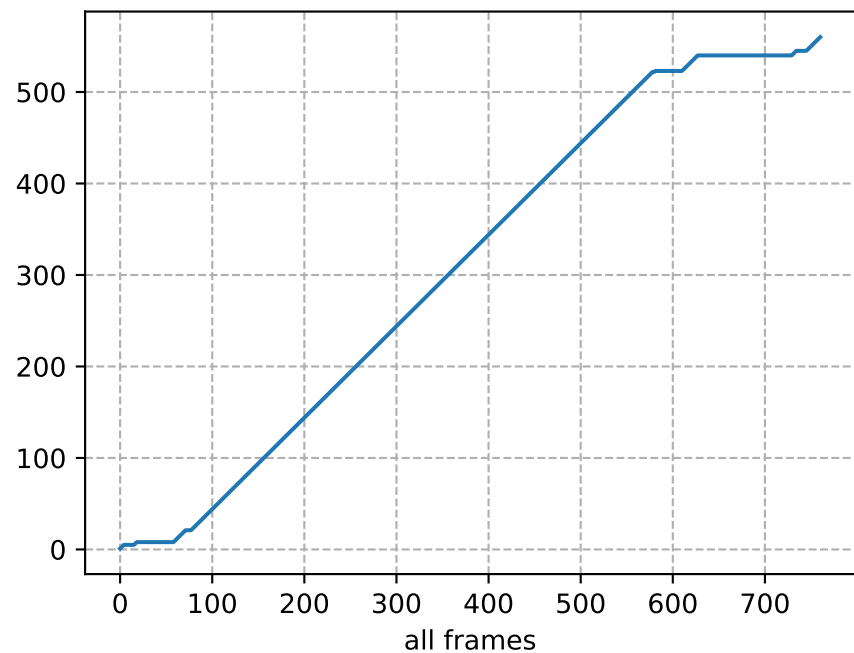
Target pixel size - MIN = [736.0]



Probability of correct estimation - AVG = [0.83]

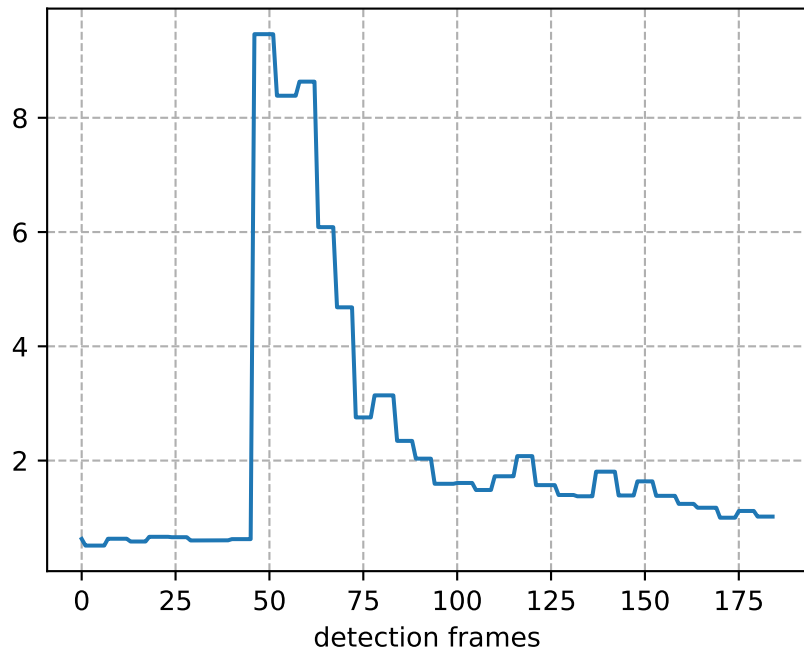


Count of missed detections

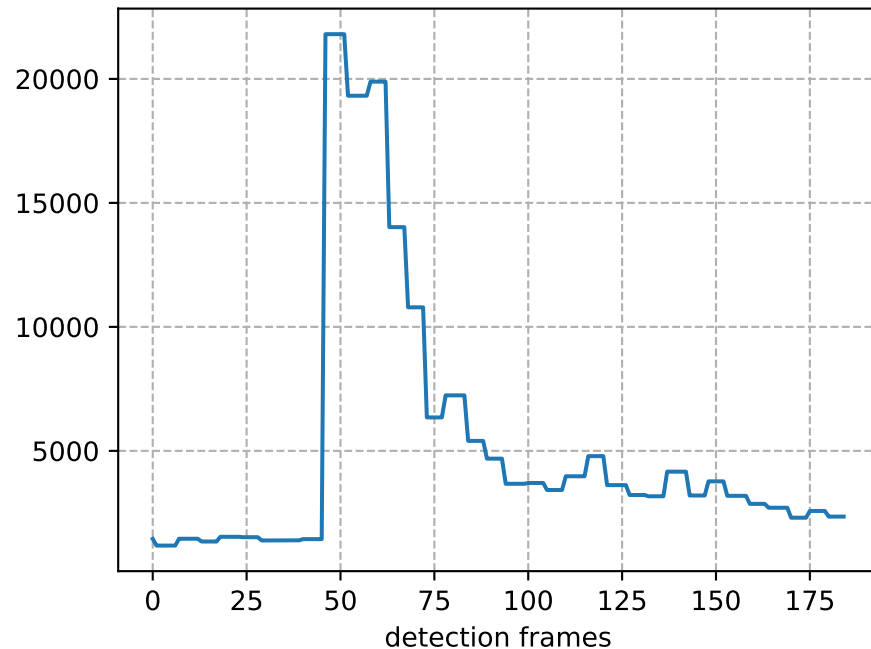


Performance Report for distance-640-10-bb.csv - ACC = [0.24%]

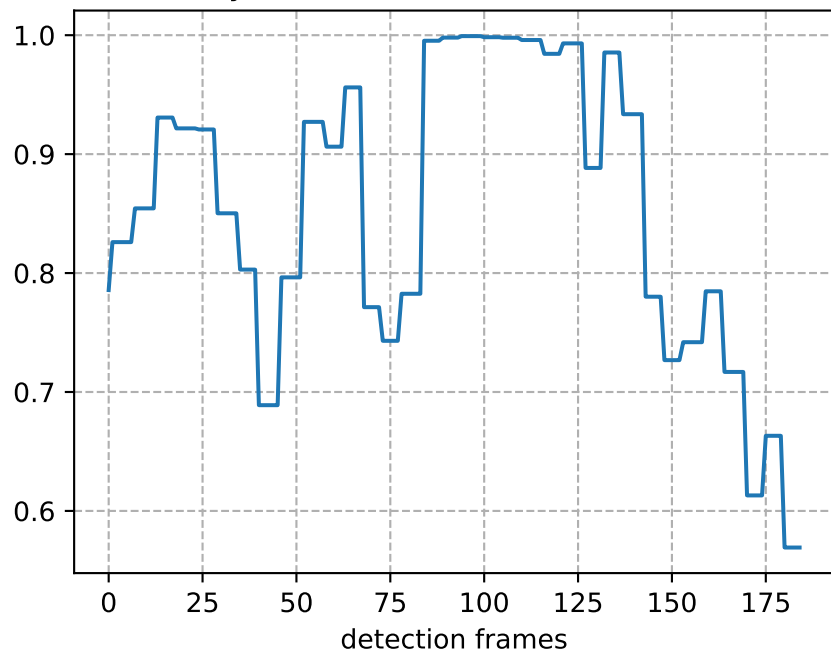
Fraction of image occupied by target [%] - MIN = [0.51]



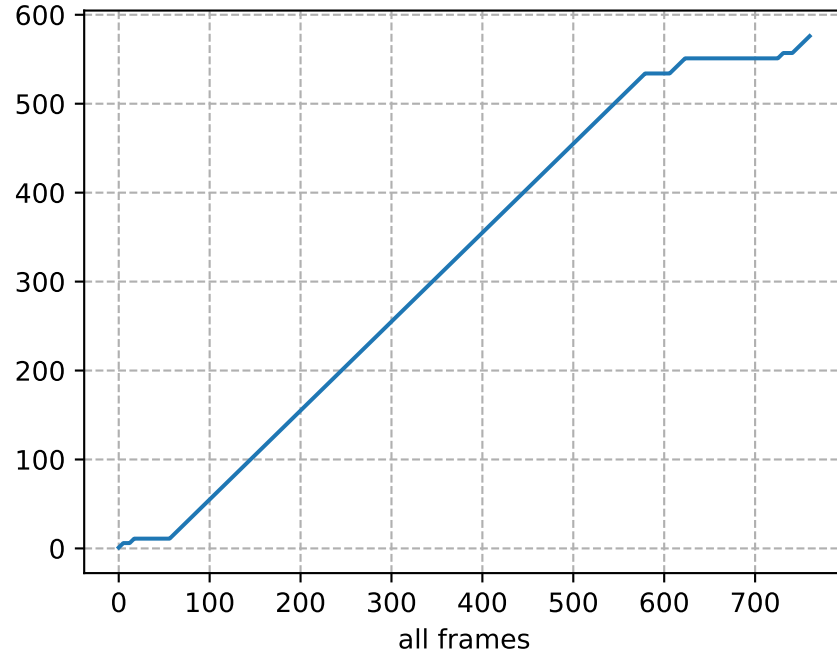
Target pixel size - MIN = [1180.0]



Probability of correct estimation - AVG = [0.85]

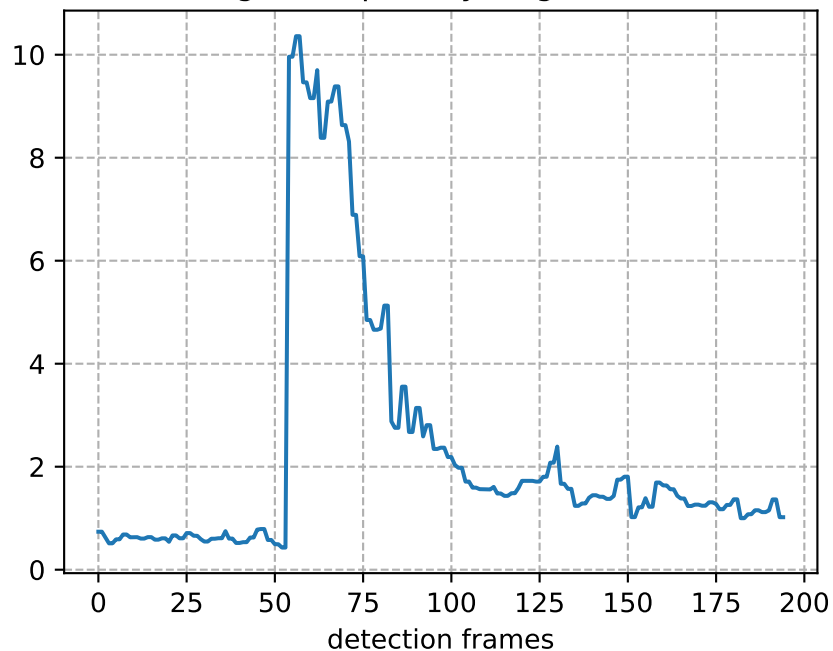


Count of missed detections

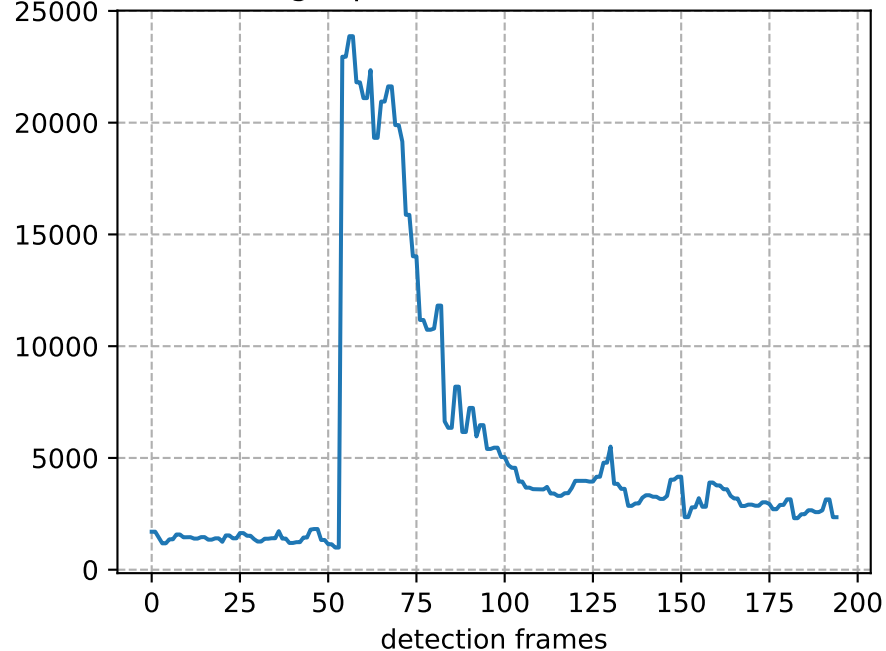


Performance Report for distance-640-30-bb.csv - ACC = [0.26%]

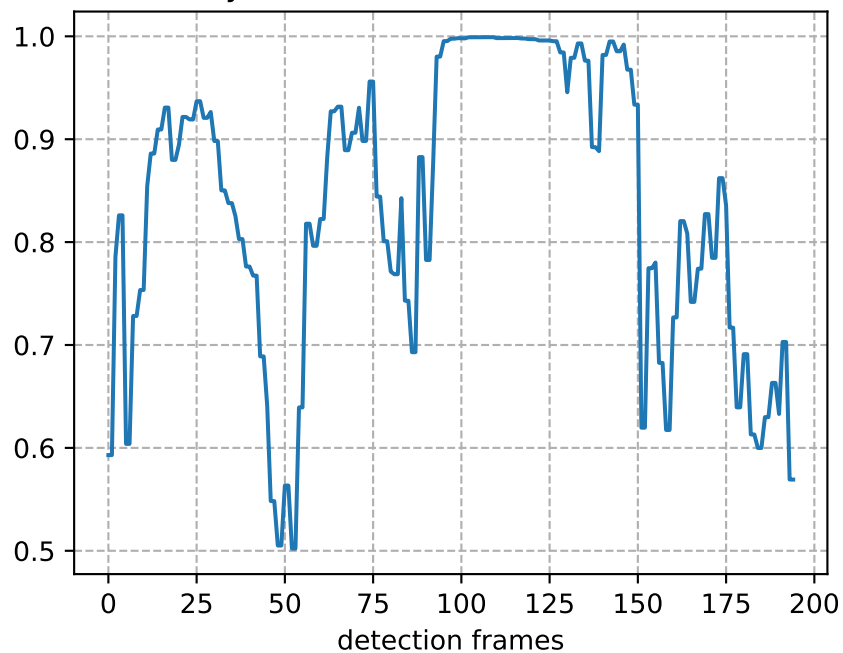
Fraction of image occupied by target [%] - MIN = [0.43]



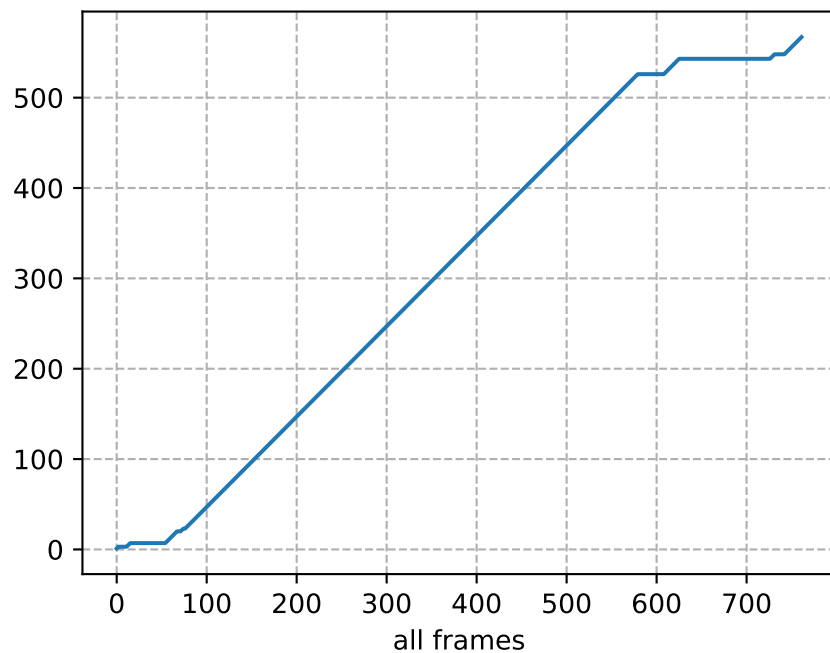
Target pixel size - MIN = [990.0]



Probability of correct estimation - AVG = [0.83]

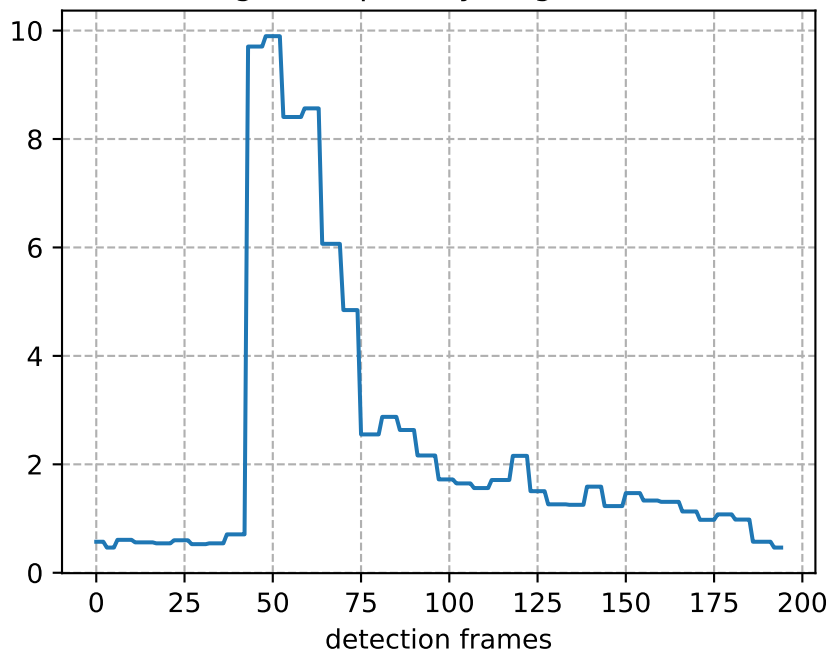


Count of missed detections

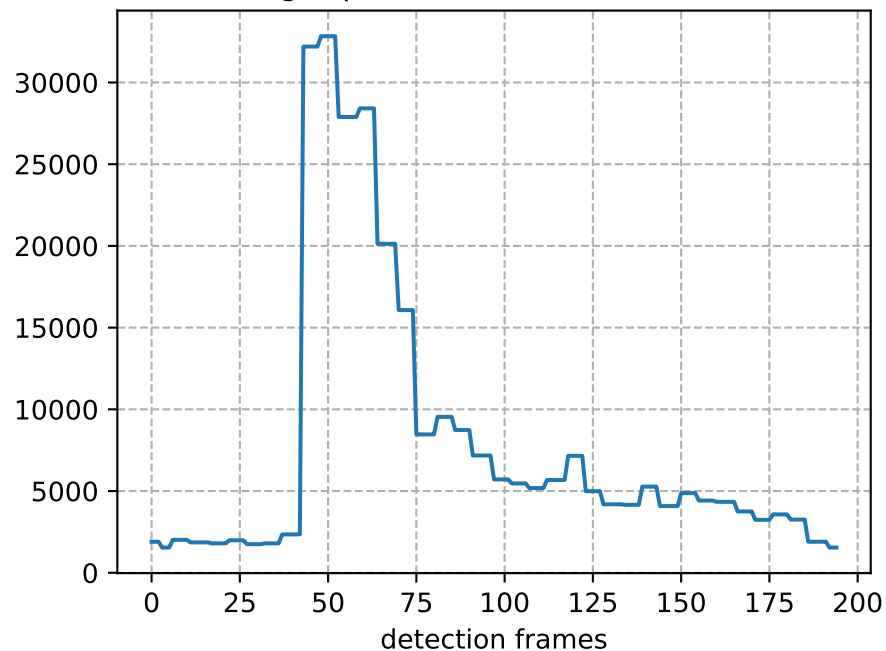


Performance Report for distance-768-10-bb.csv - ACC = [0.26%]

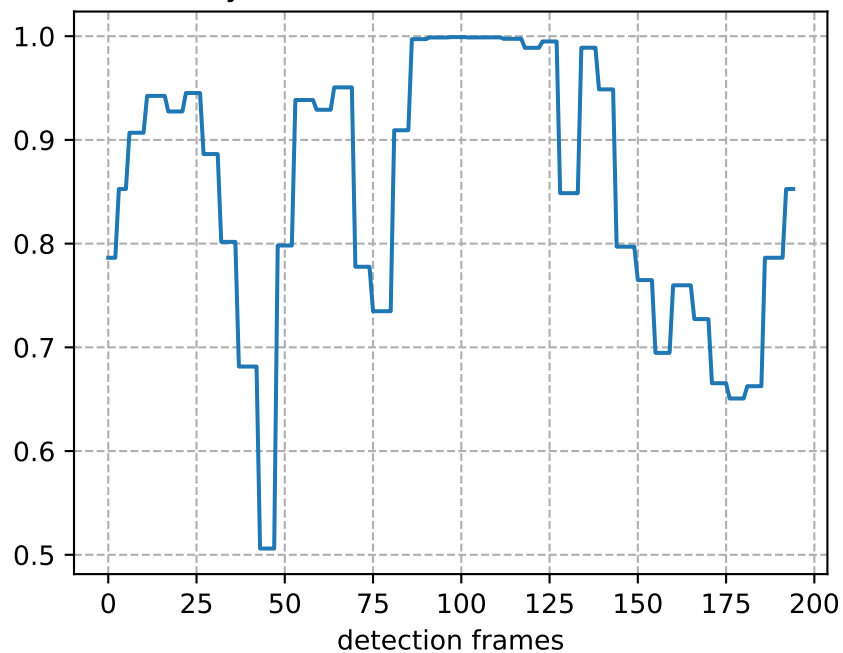
Fraction of image occupied by target [%] - MIN = [0.46]



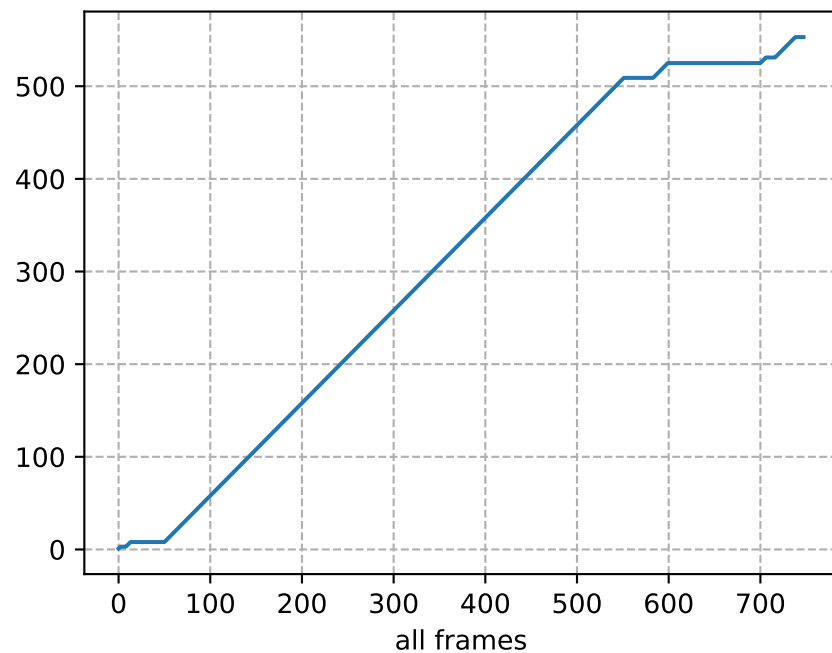
Target pixel size - MIN = [1541.0]



Probability of correct estimation - AVG = [0.85]

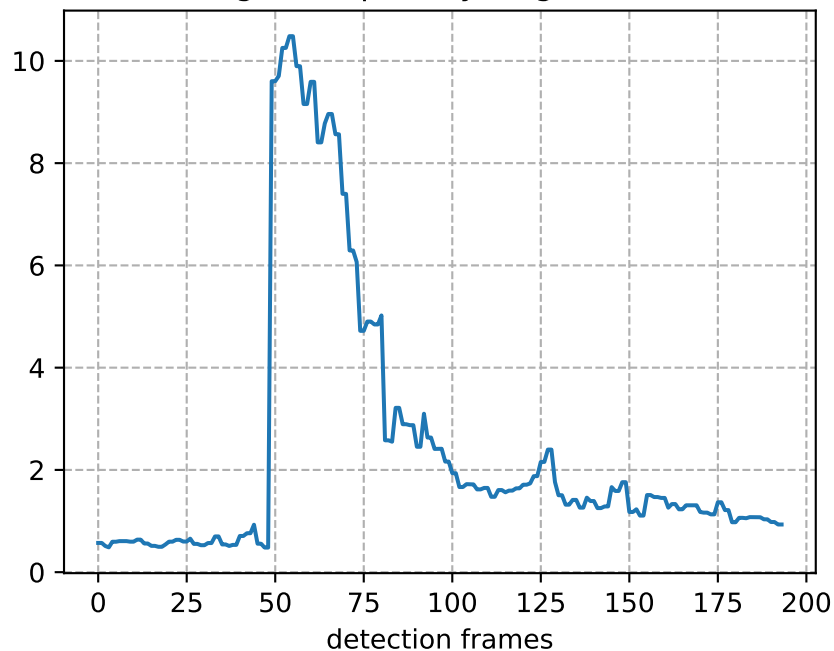


Count of missed detections

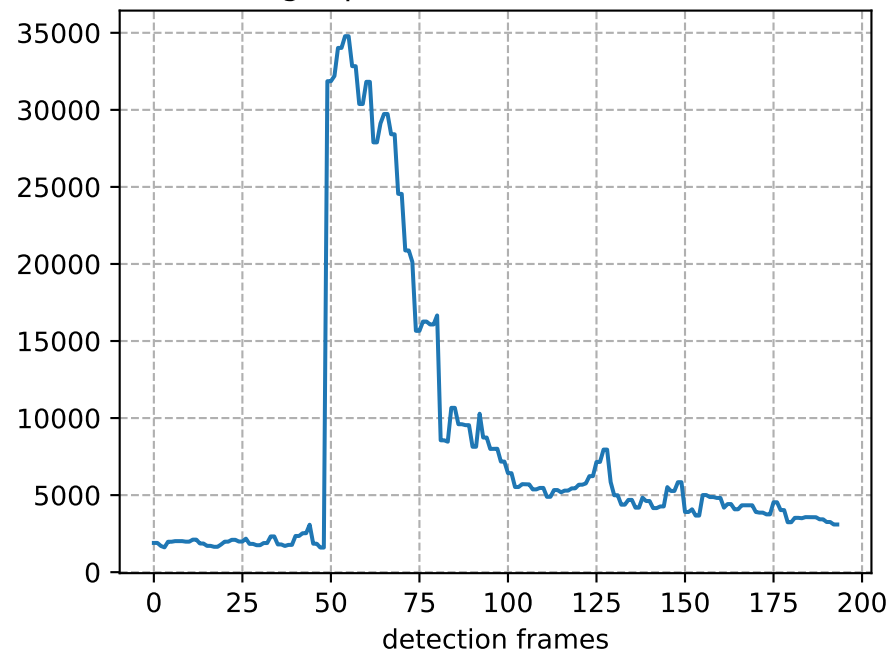


Performance Report for distance-768-30-bb.csv - ACC = [0.26%]

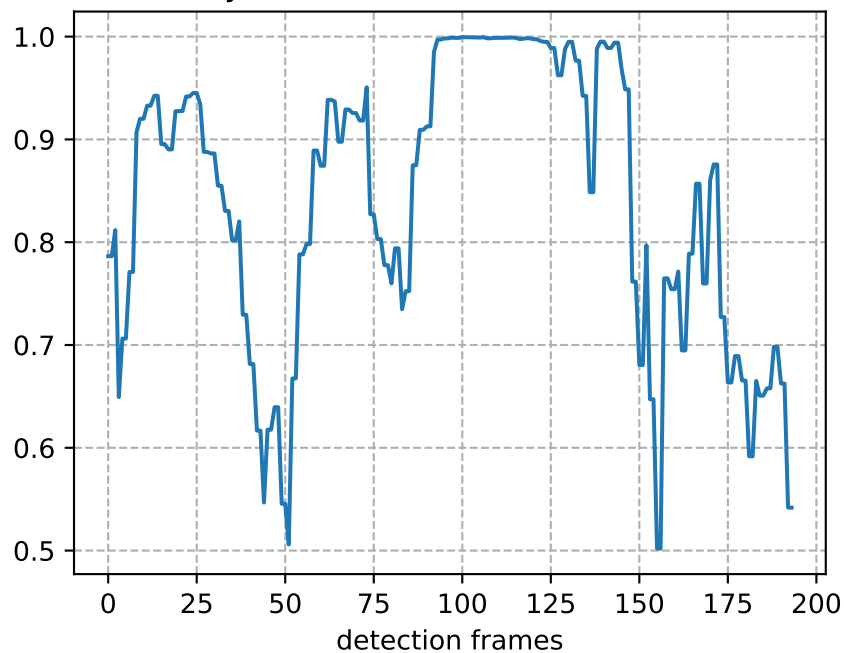
Fraction of image occupied by target [%] - MIN = [0.48]



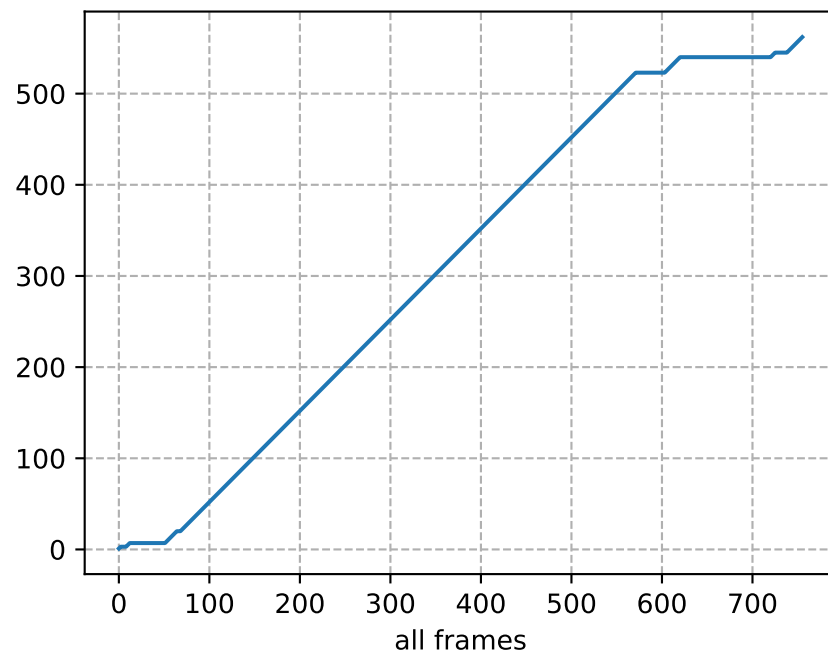
Target pixel size - MIN = [1596.0]



Probability of correct estimation - AVG = [0.84]

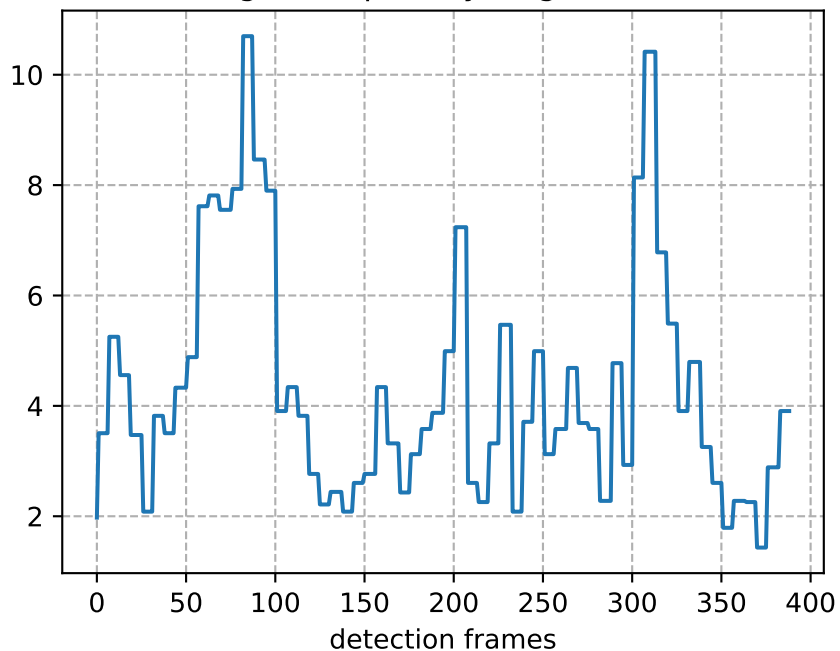


Count of missed detections

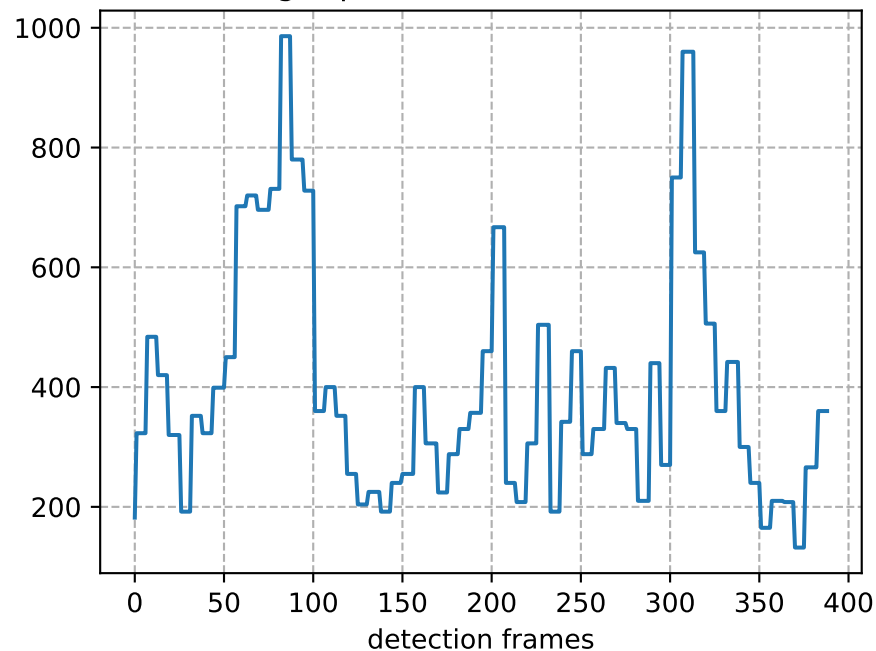


Performance Report for fast-128-10-bb.csv - ACC = [0.71%]

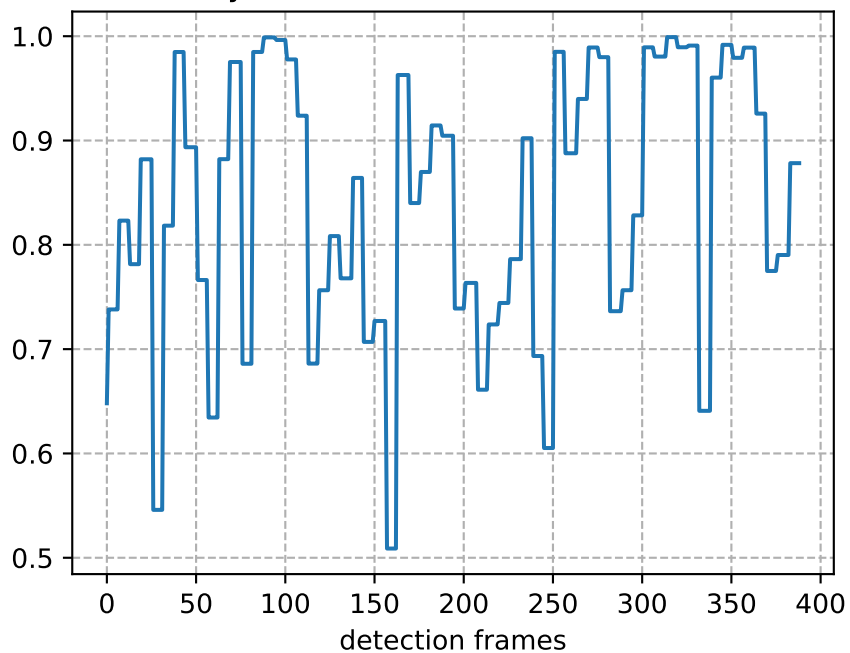
Fraction of image occupied by target [%] - MIN = [1.43]



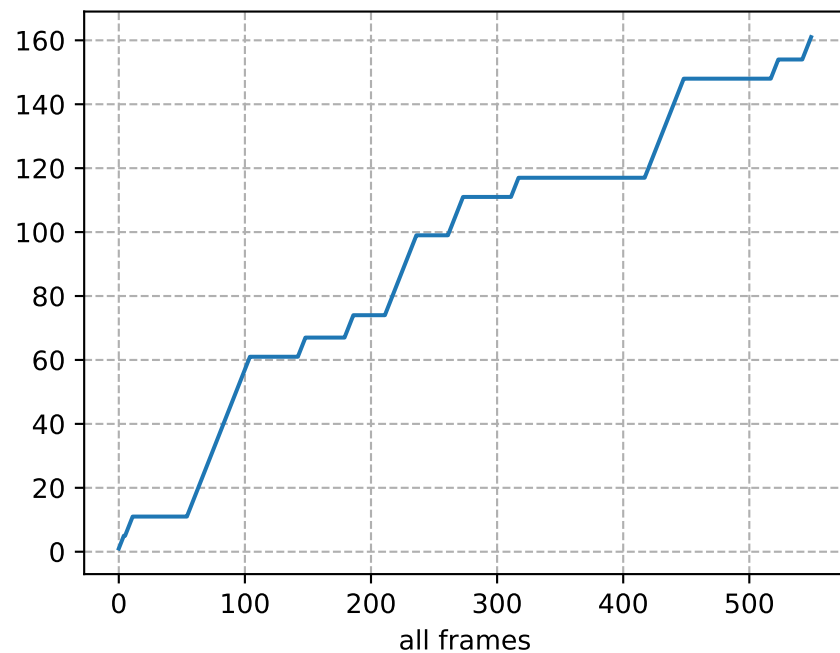
Target pixel size - MIN = [132.0]



Probability of correct estimation - AVG = [0.84]

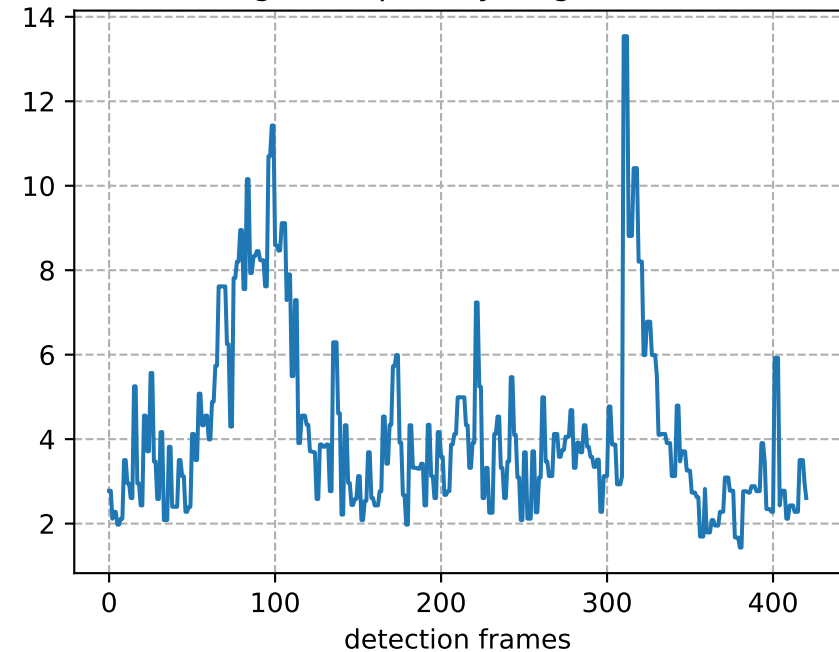


Count of missed detections

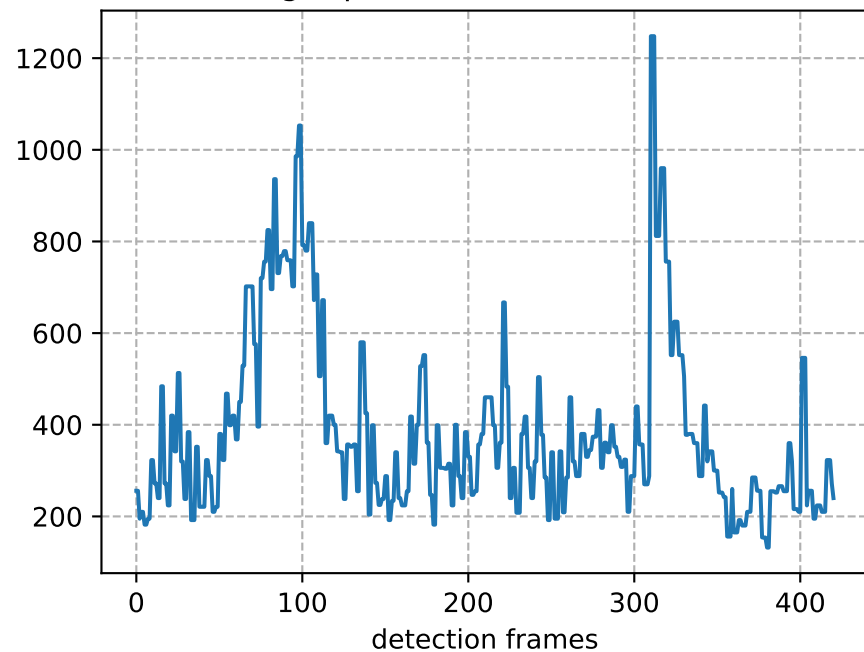


Performance Report for fast-128-30-bb.csv - ACC = [0.71%]

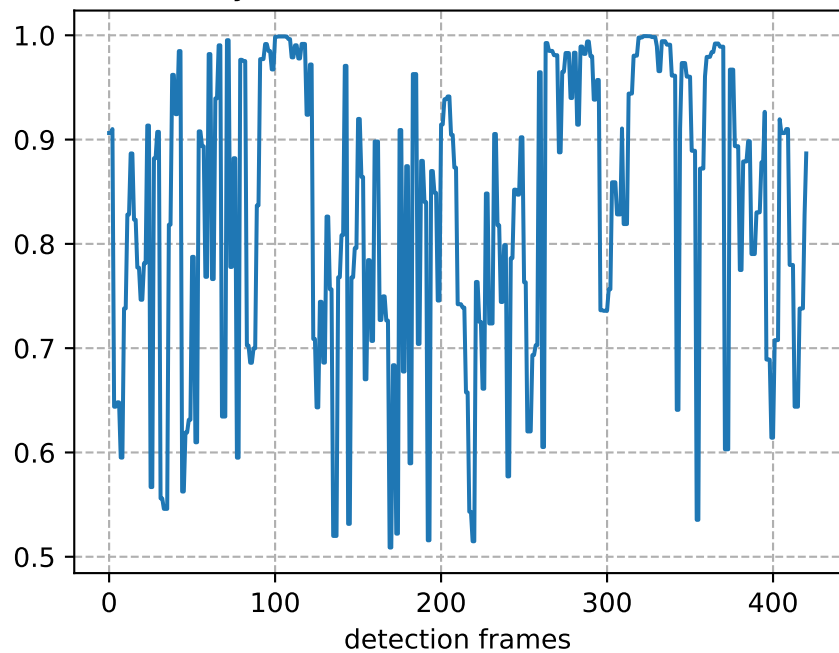
Fraction of image occupied by target [%] - MIN = [1.43]



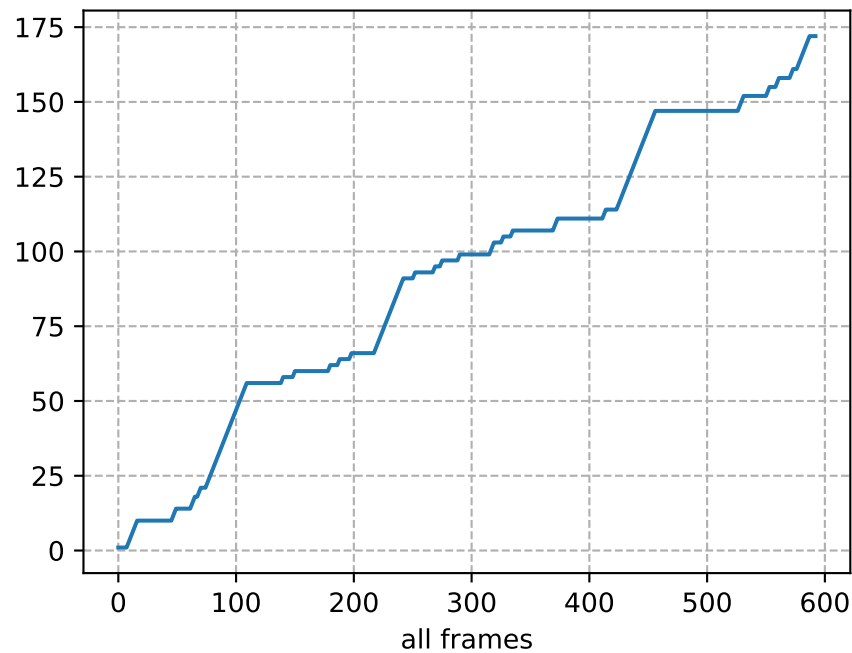
Target pixel size - MIN = [132.0]



Probability of correct estimation - AVG = [0.83]

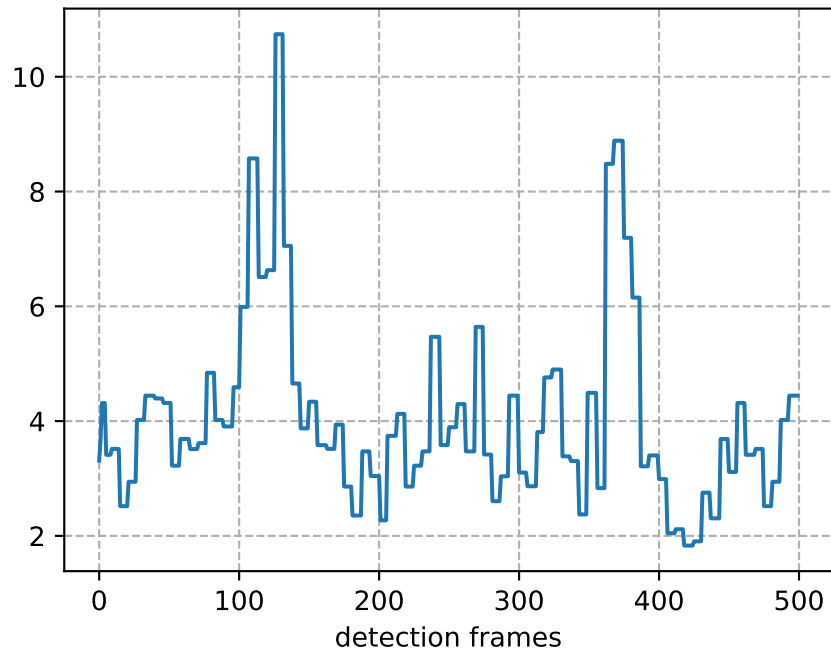


Count of missed detections

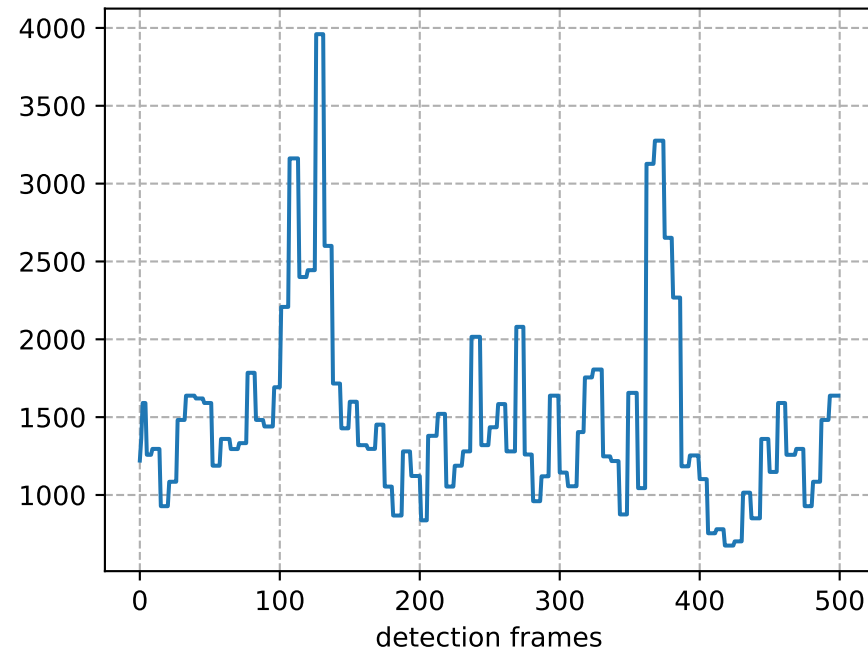


Performance Report for fast-256-10-bb.csv - ACC = [0.83%]

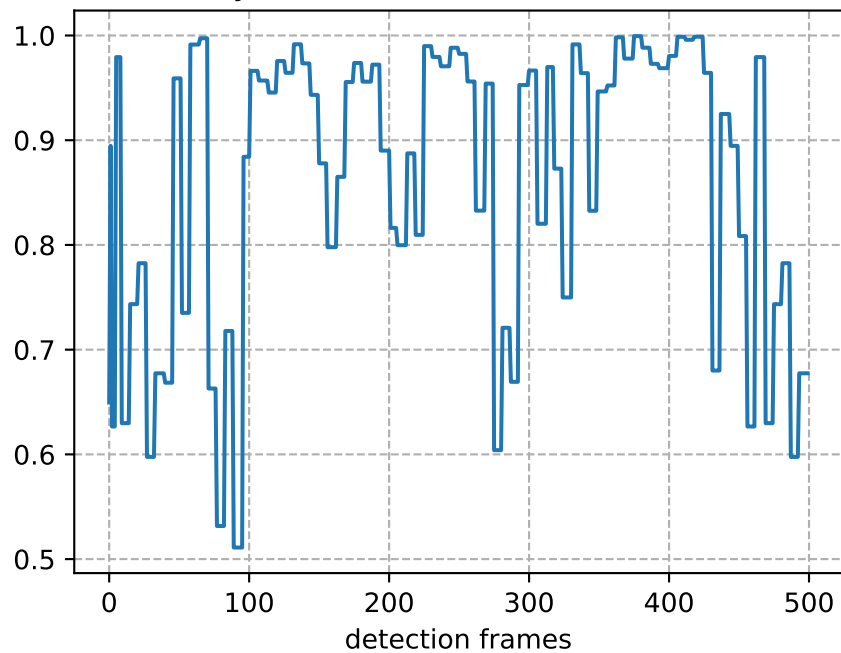
Fraction of image occupied by target [%] - MIN = [1.83]



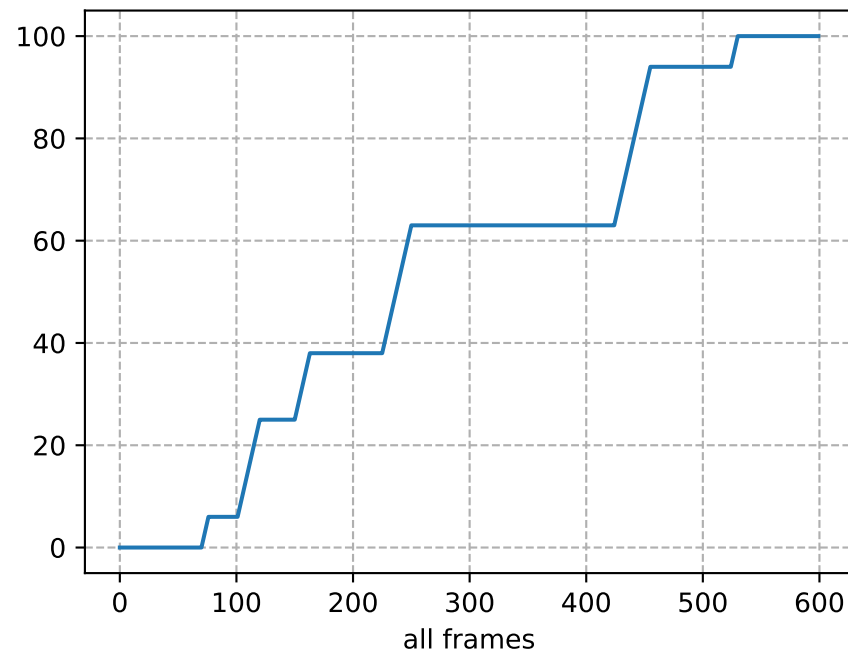
Target pixel size - MIN = [675.0]



Probability of correct estimation - AVG = [0.86]

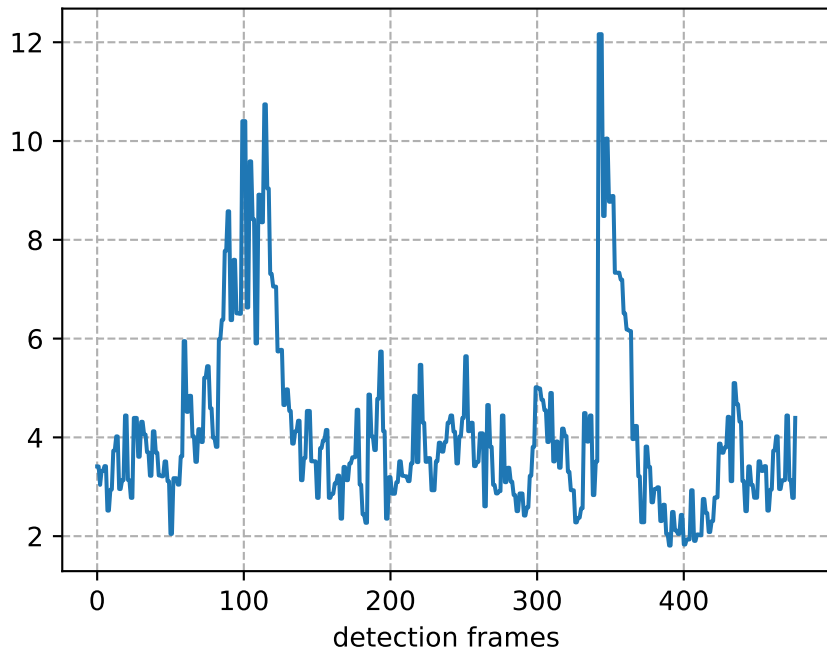


Count of missed detections

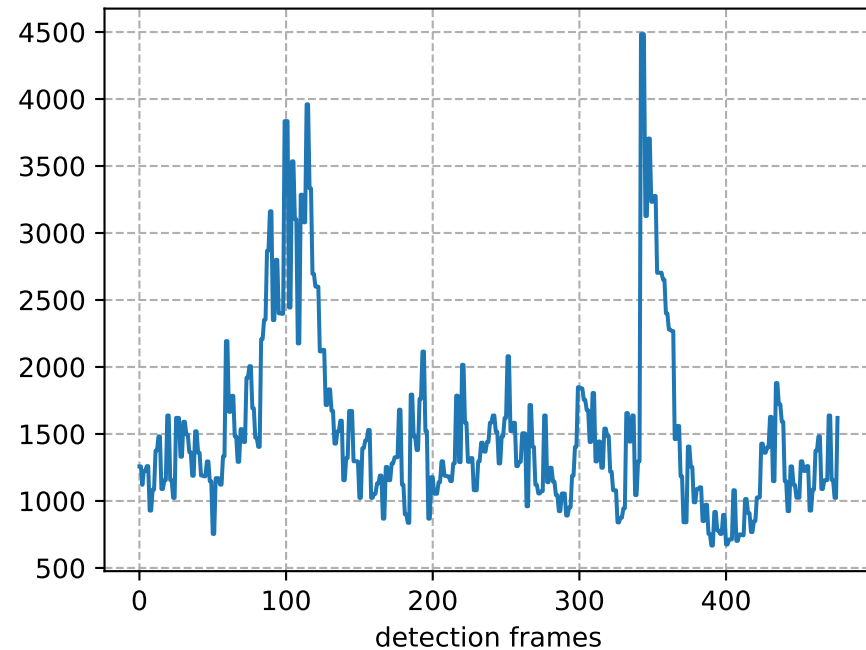


Performance Report for fast-256-30-bb.csv - ACC = [0.8%]

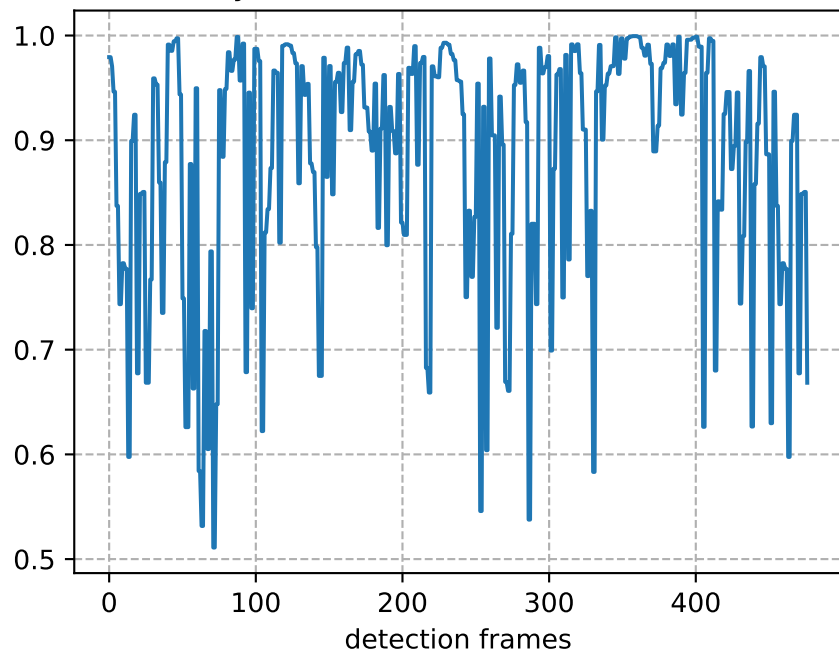
Fraction of image occupied by target [%] - MIN = [1.81]



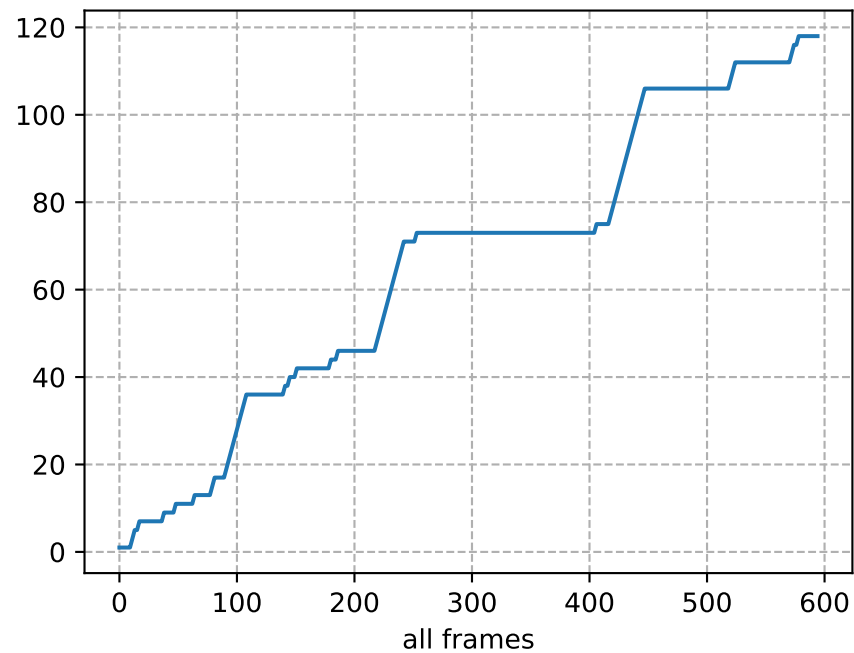
Target pixel size - MIN = [667.0]



Probability of correct estimation - AVG = [0.88]

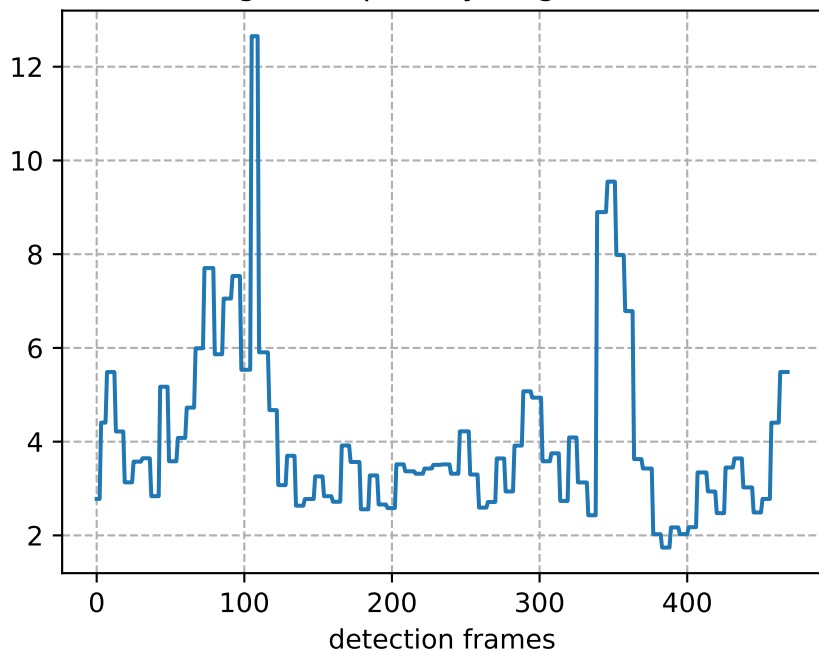


Count of missed detections

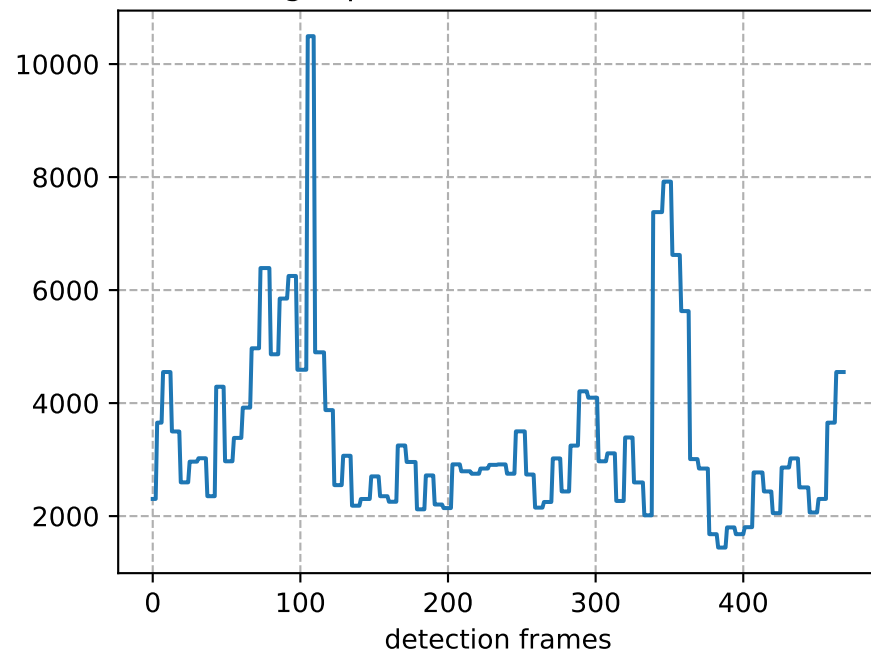


Performance Report for fast-384-10-bb.csv - ACC = [0.82%]

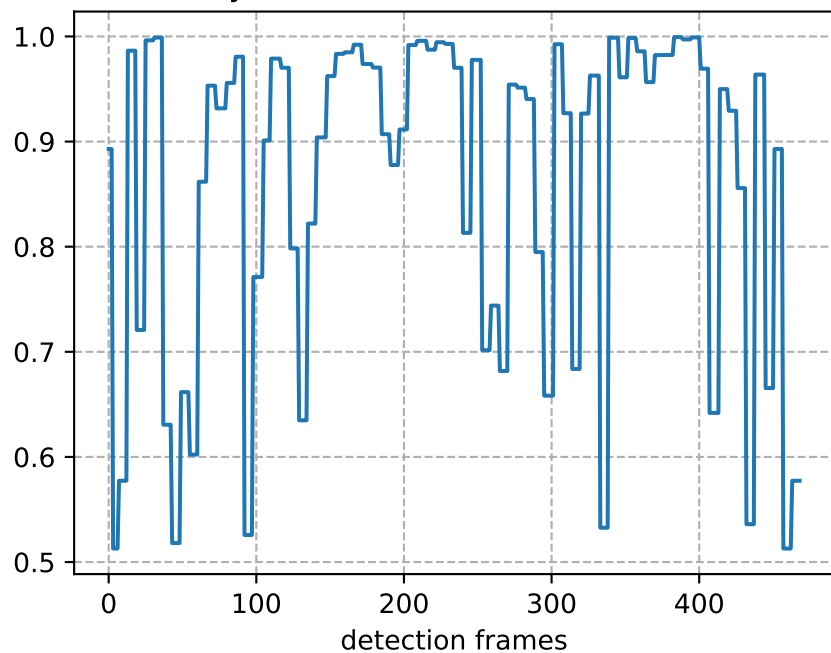
Fraction of image occupied by target [%] - MIN = [1.74]



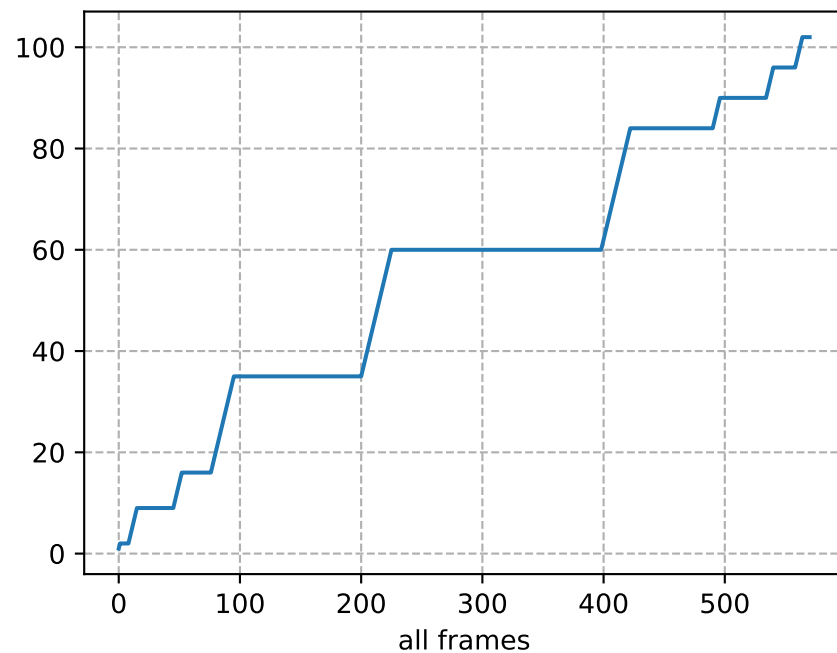
Target pixel size - MIN = [1443.0]



Probability of correct estimation - AVG = [0.86]

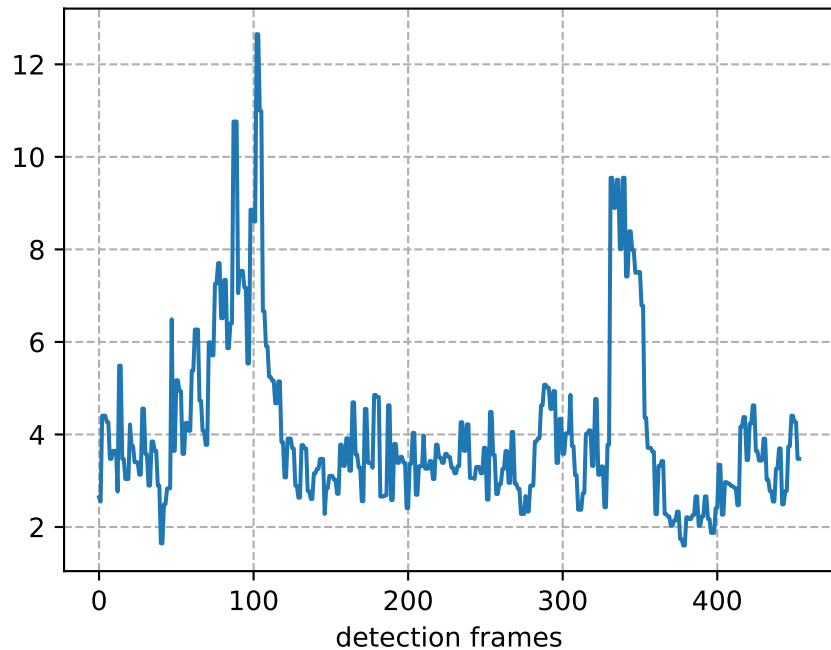


Count of missed detections

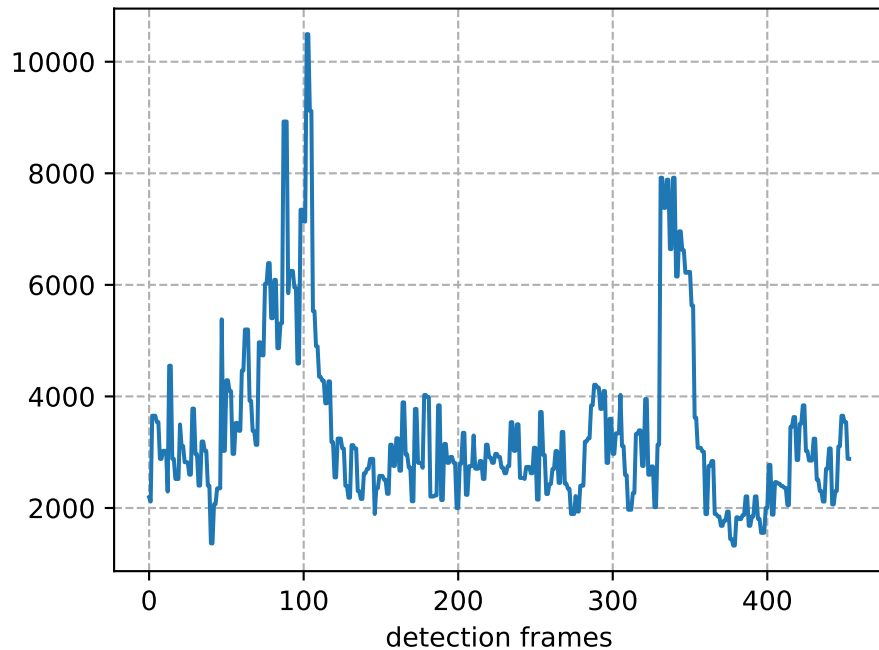


Performance Report for fast-384-30-bb.csv - ACC = [0.8%]

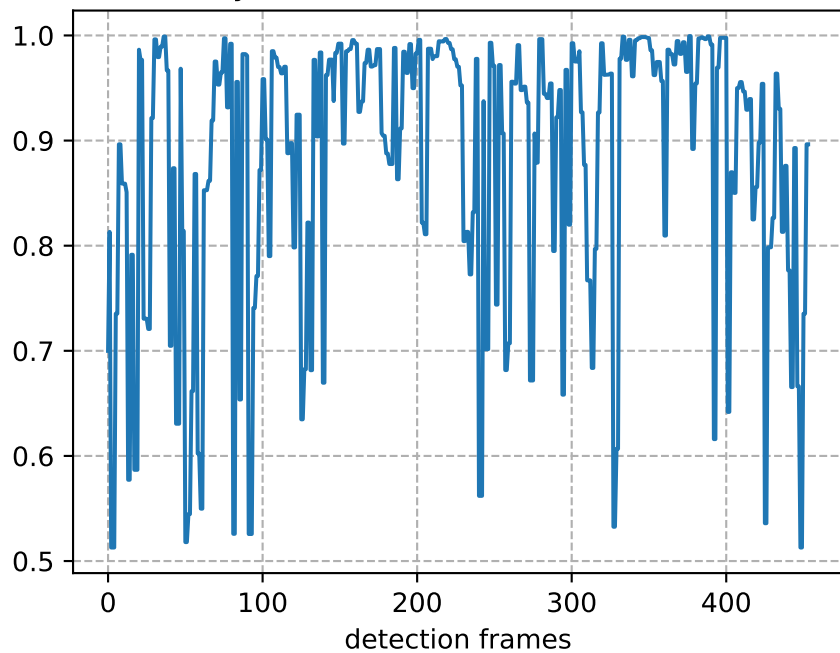
Fraction of image occupied by target [%] - MIN = [1.6]



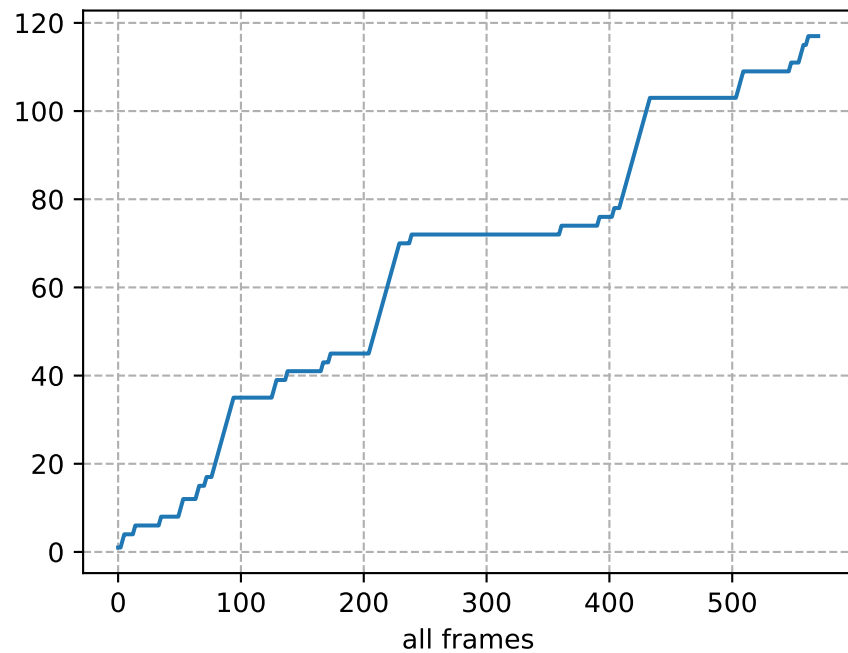
Target pixel size - MIN = [1326.0]



Probability of correct estimation - AVG = [0.88]

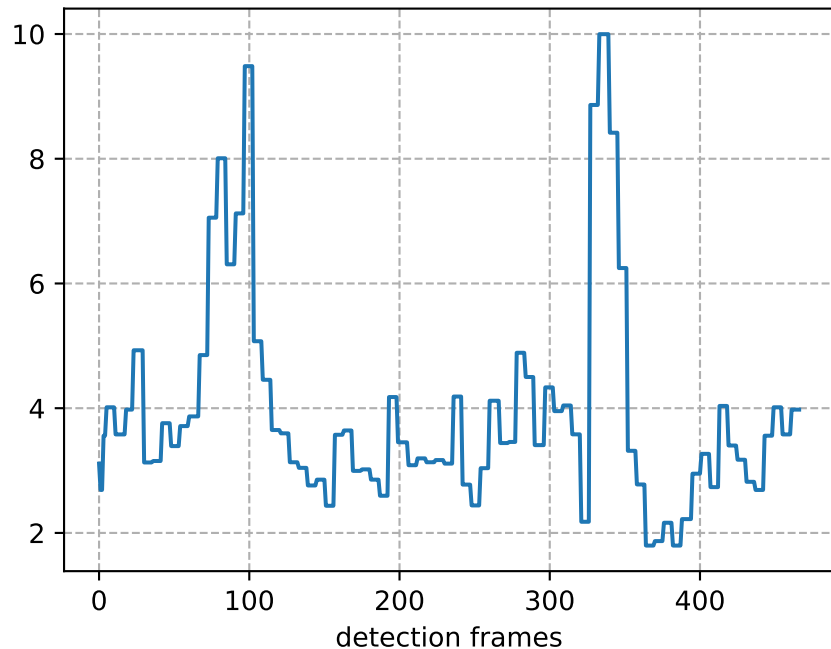


Count of missed detections

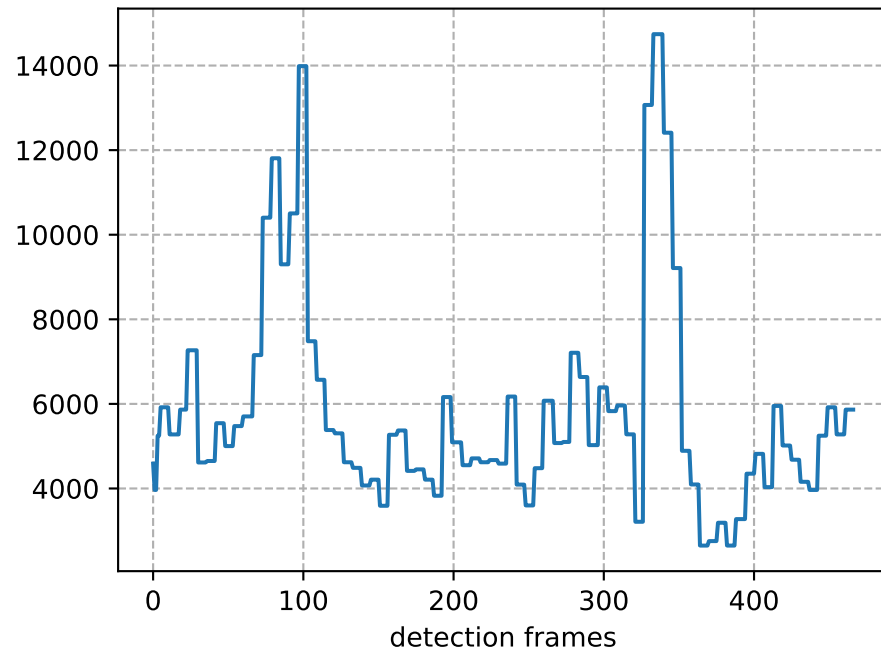


Performance Report for fast-512-10-bb.csv - ACC = [0.83%]

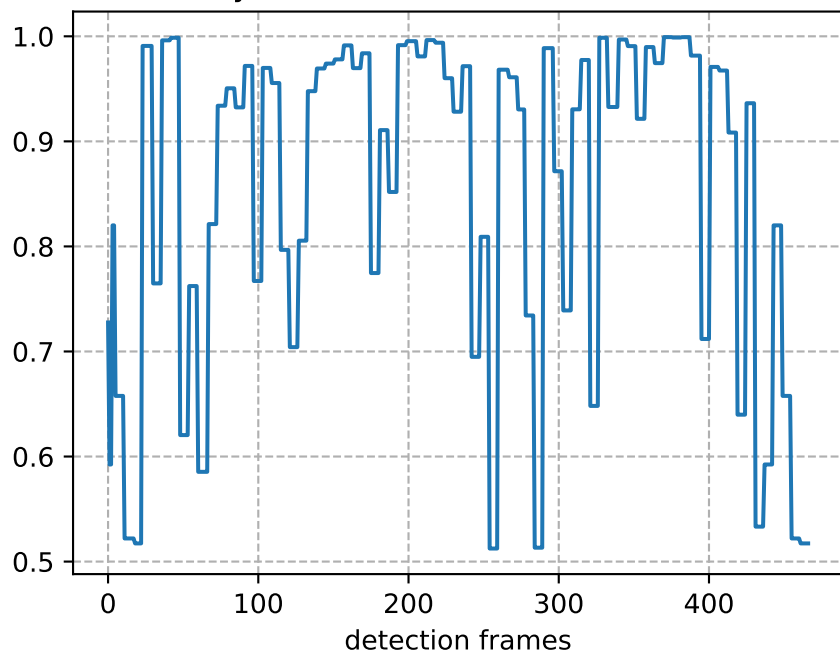
Fraction of image occupied by target [%] - MIN = [1.8]



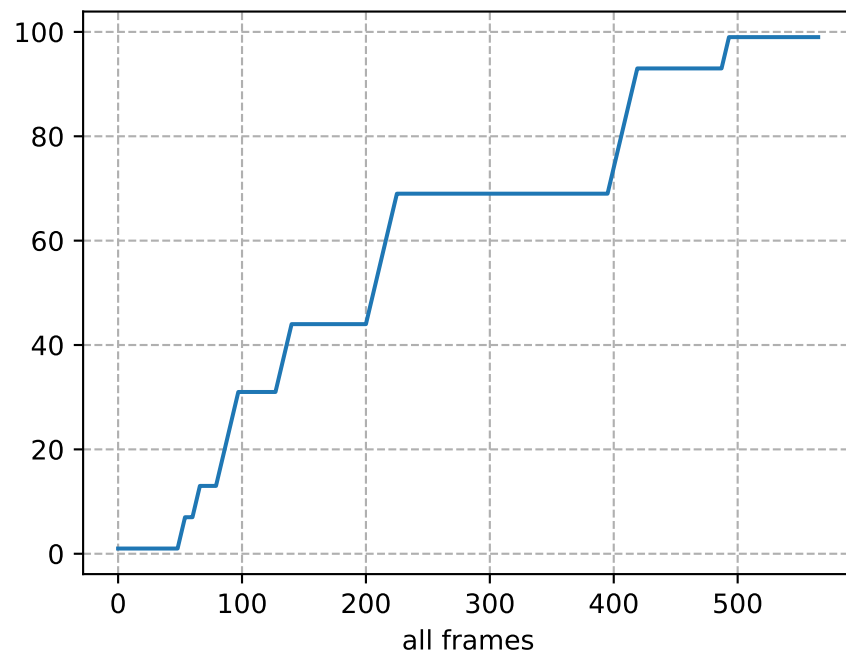
Target pixel size - MIN = [2650.0]



Probability of correct estimation - AVG = [0.85]

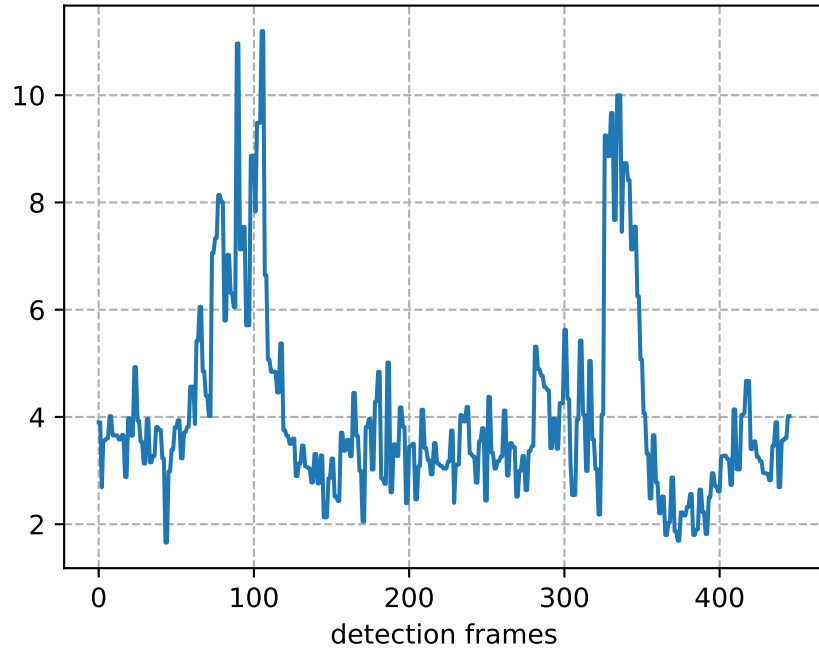


Count of missed detections

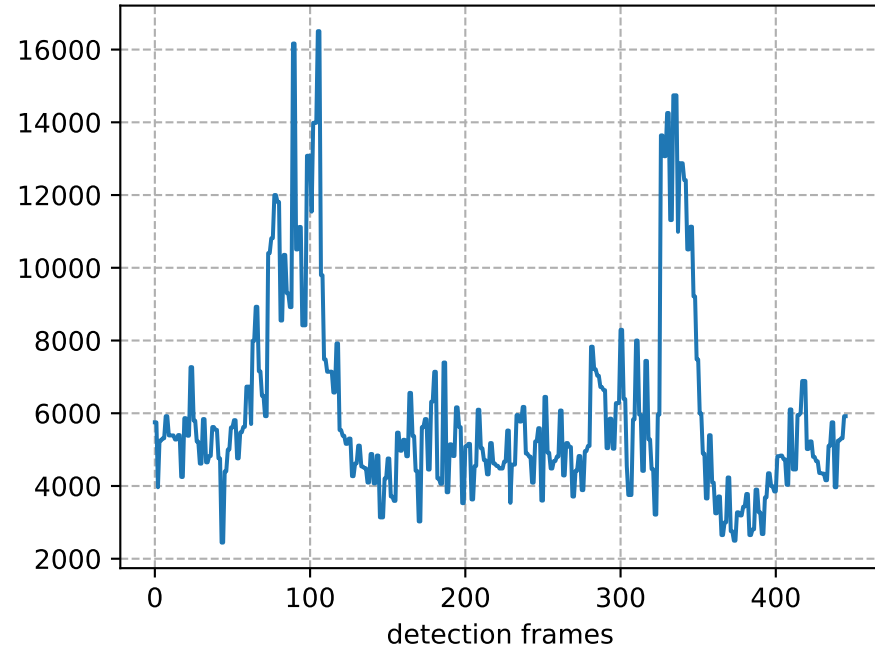


Performance Report for fast-512-30-bb.csv - ACC = [0.79%]

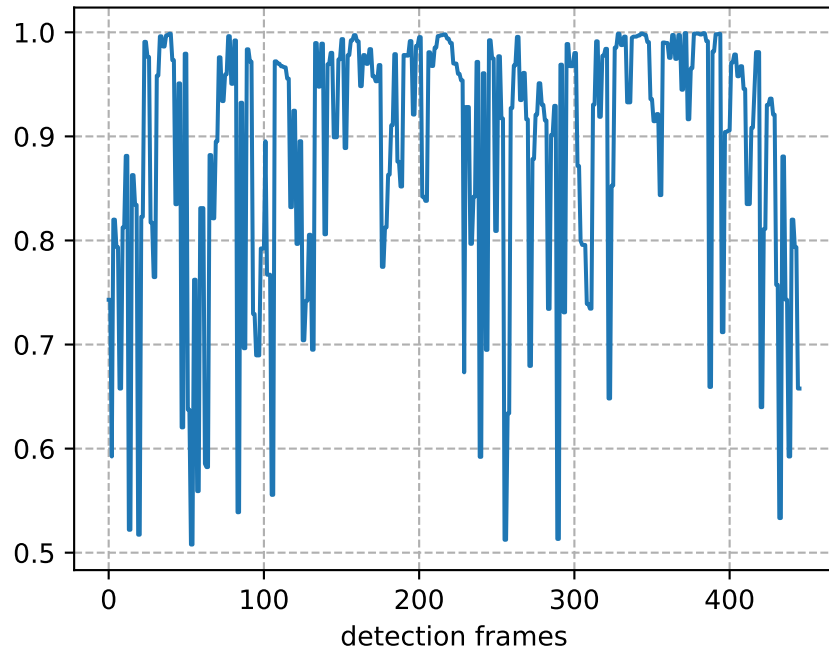
Fraction of image occupied by target [%] - MIN = [1.66]



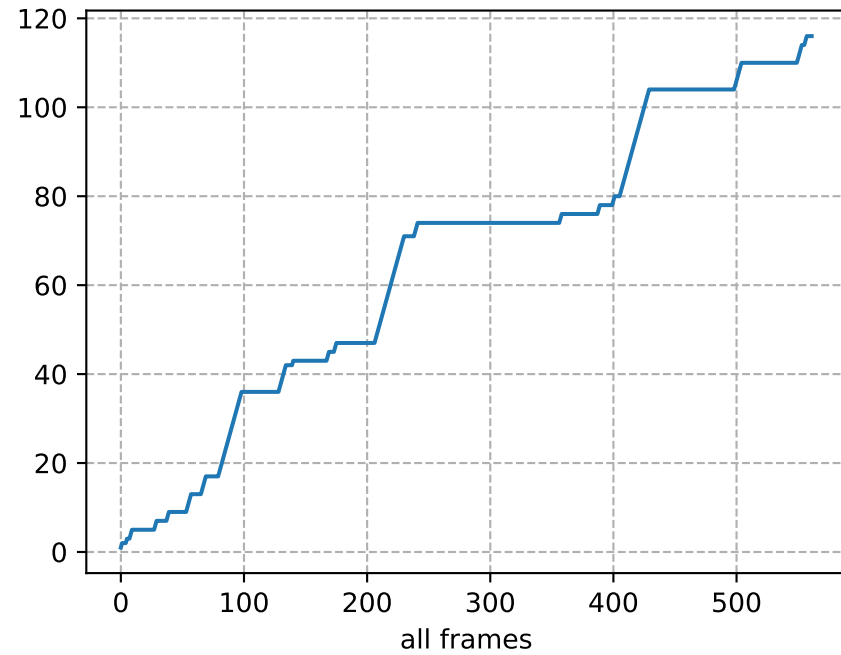
Target pixel size - MIN = [2444.0]



Probability of correct estimation - AVG = [0.88]

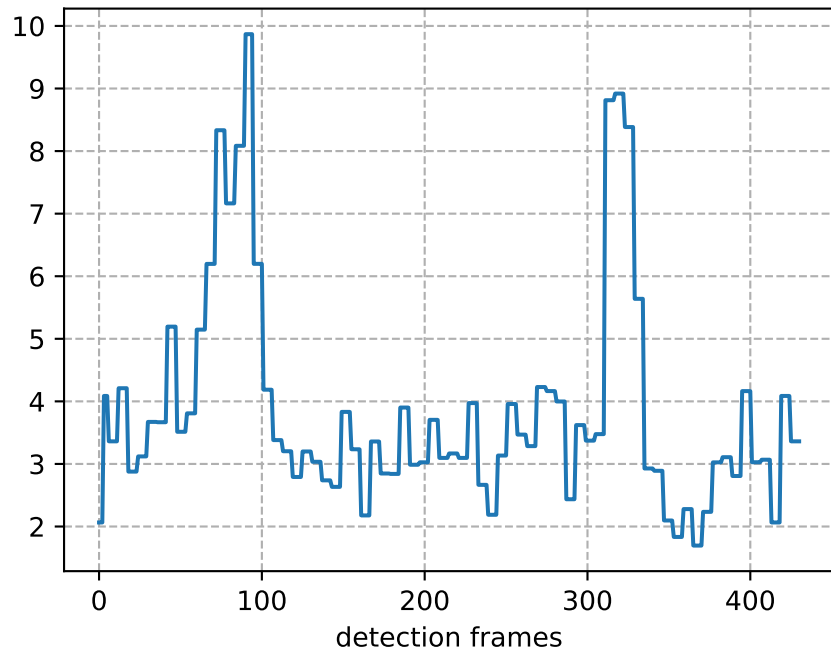


Count of missed detections

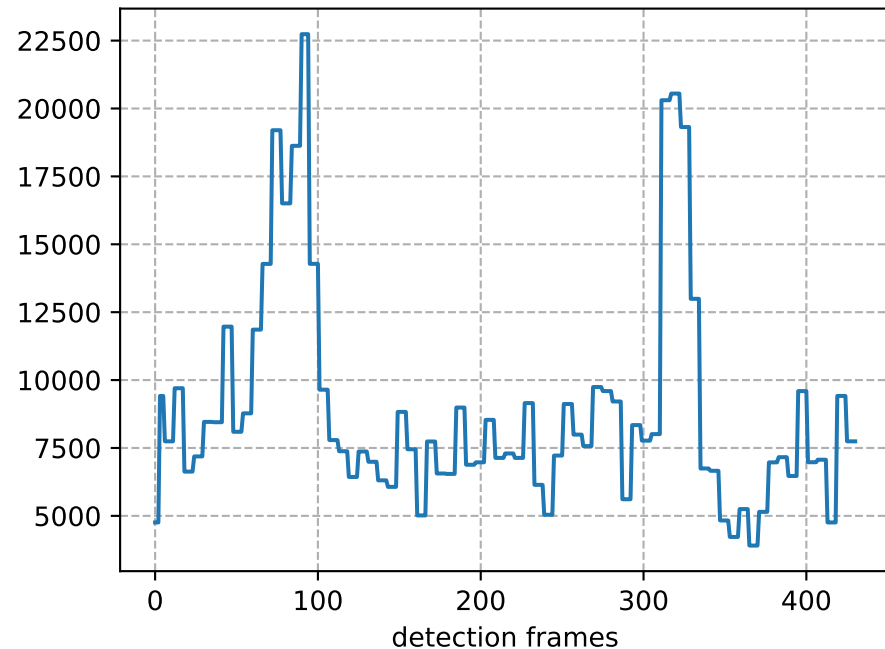


Performance Report for fast-640-10-bb.csv - ACC = [0.78%]

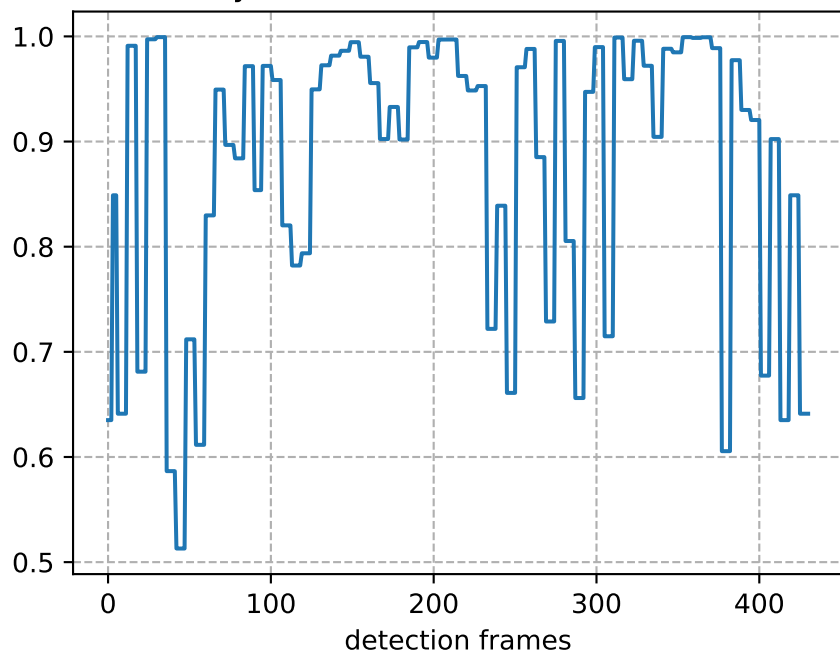
Fraction of image occupied by target [%] - MIN = [1.7]



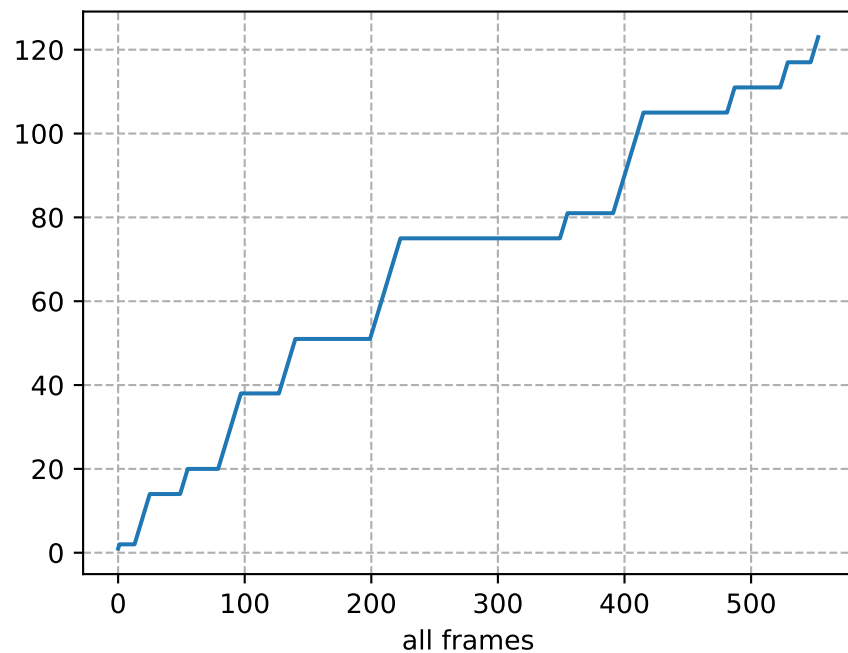
Target pixel size - MIN = [3906.0]



Probability of correct estimation - AVG = [0.88]

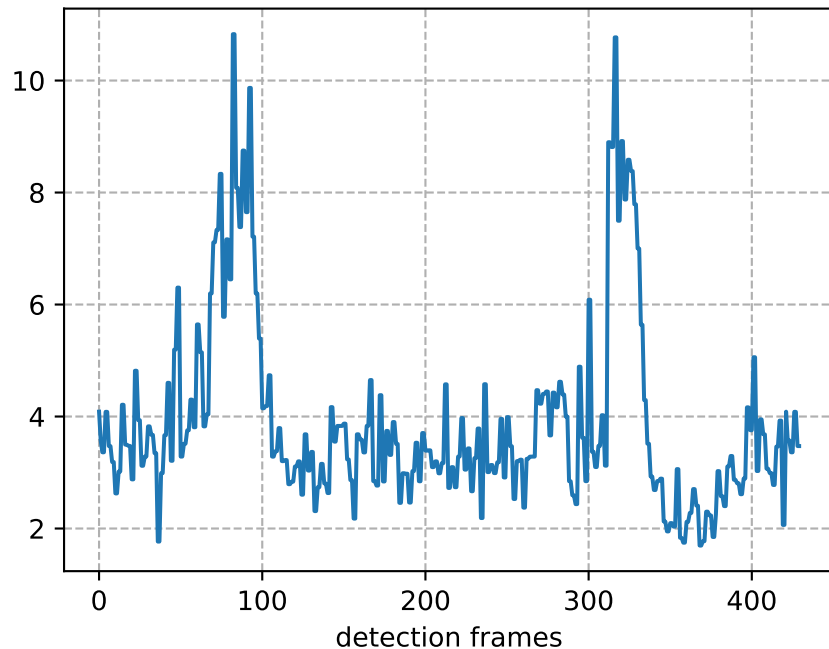


Count of missed detections

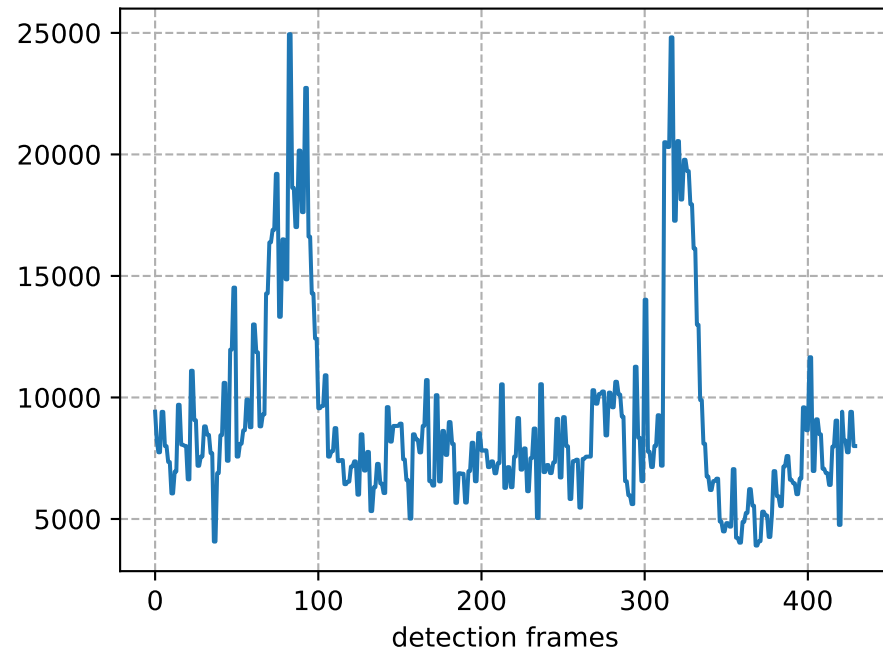


Performance Report for fast-640-30-bb.csv - ACC = [0.77%]

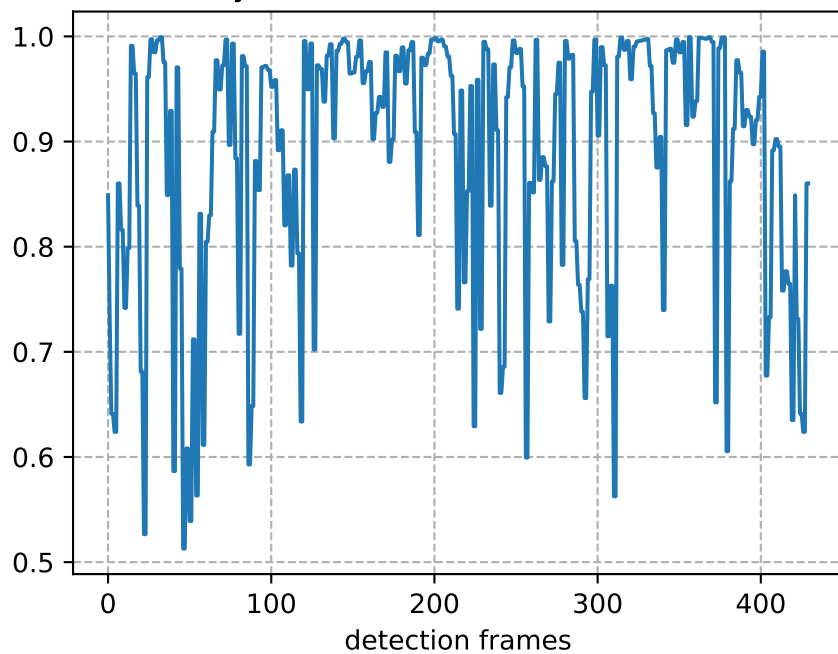
Fraction of image occupied by target [%] - MIN = [1.7]



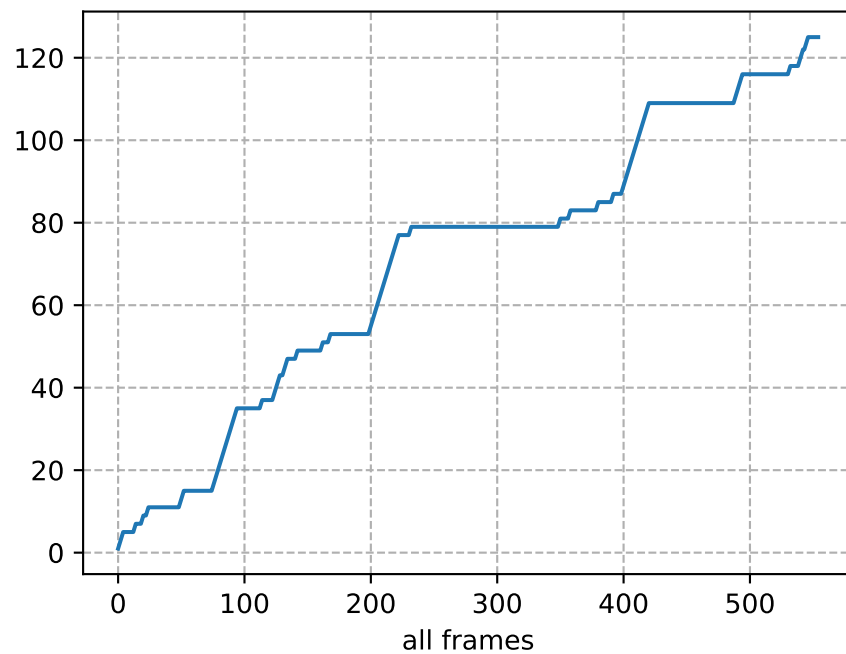
Target pixel size - MIN = [3906.0]



Probability of correct estimation - AVG = [0.89]

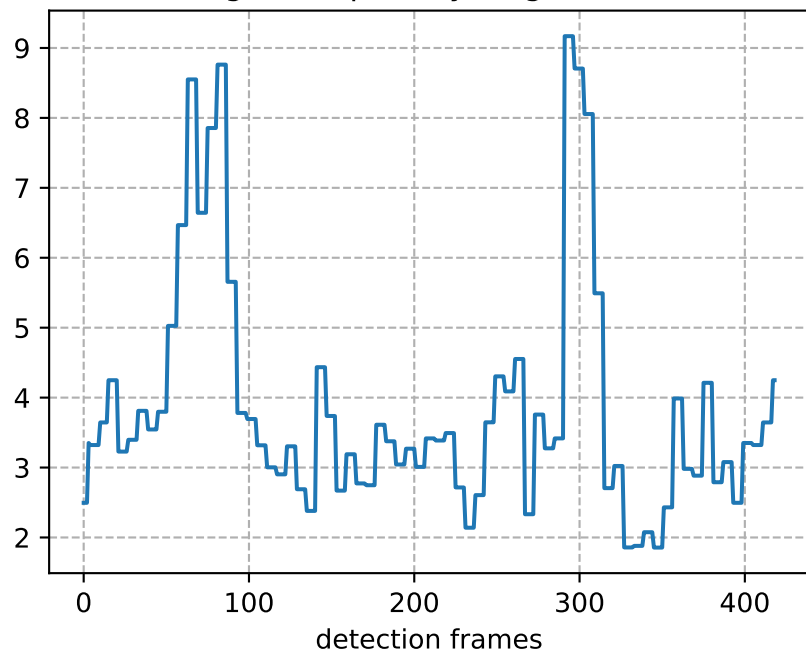


Count of missed detections

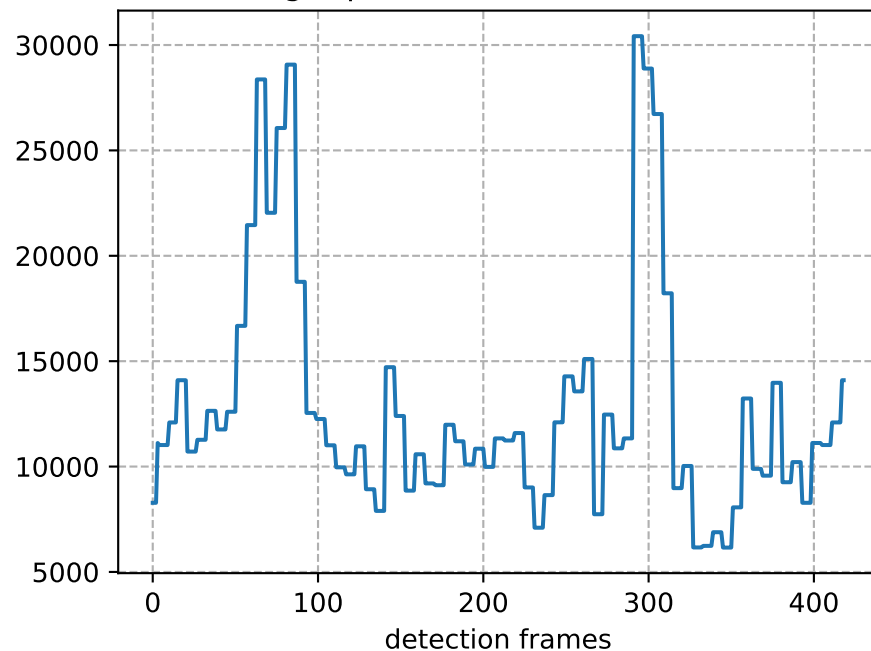


Performance Report for fast-768-10-bb.csv - ACC = [0.76%]

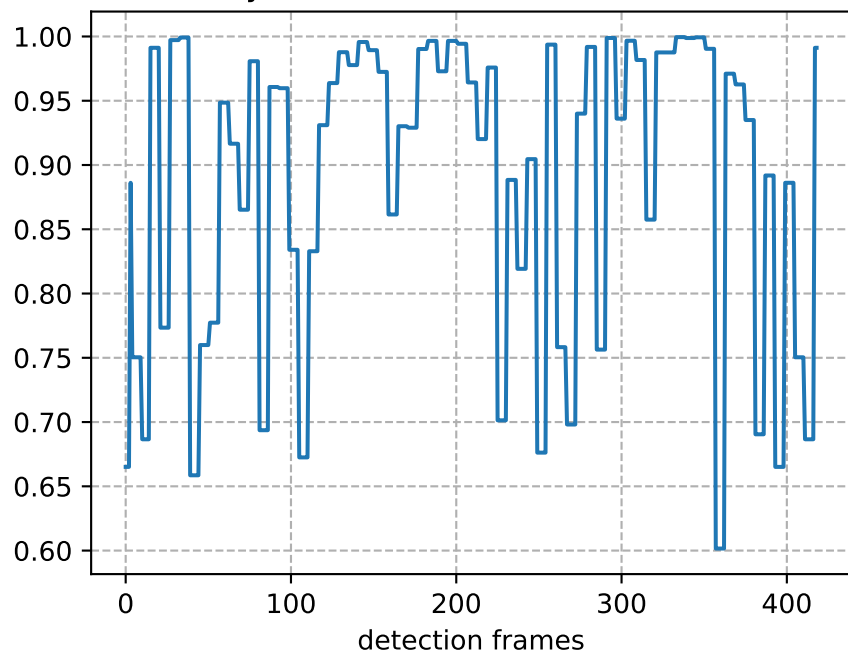
Fraction of image occupied by target [%] - MIN = [1.86]



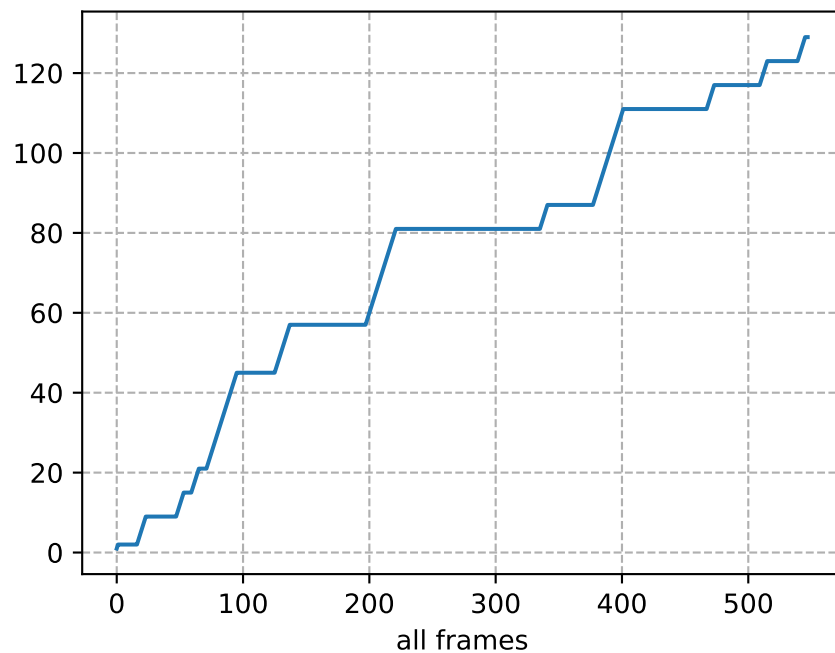
Target pixel size - MIN = [6156.0]



Probability of correct estimation - AVG = [0.89]

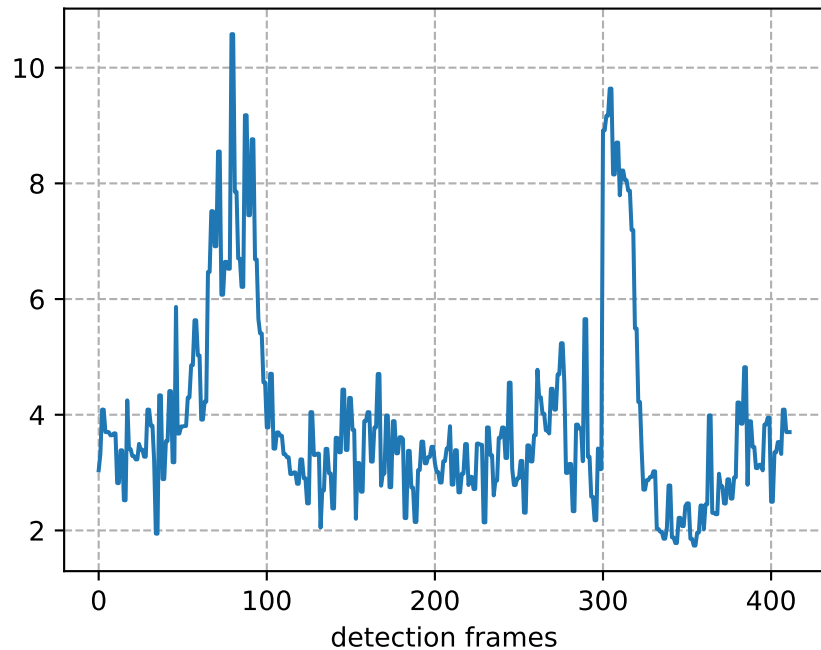


Count of missed detections

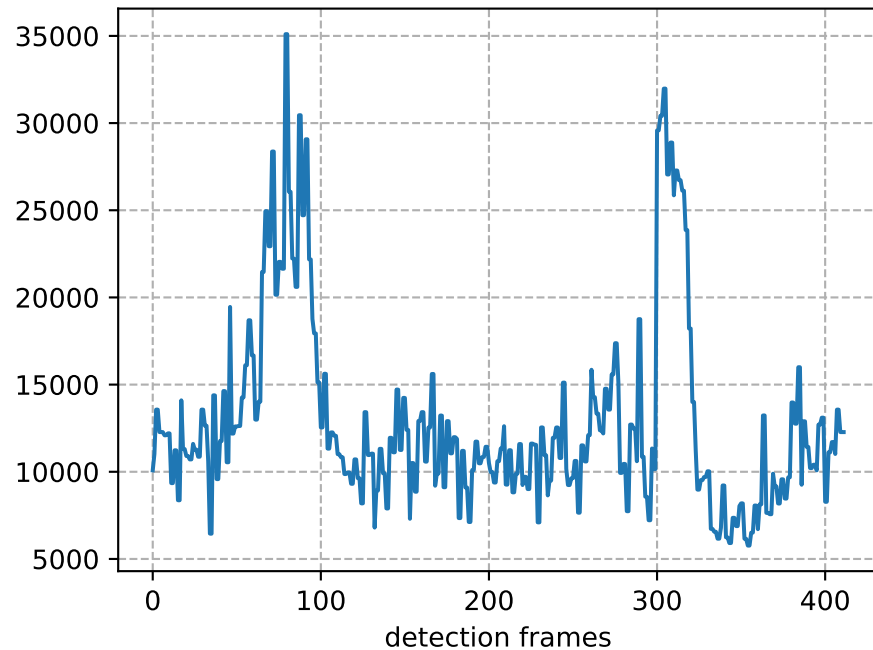


Performance Report for fast-768-30-bb.csv - ACC = [0.78%]

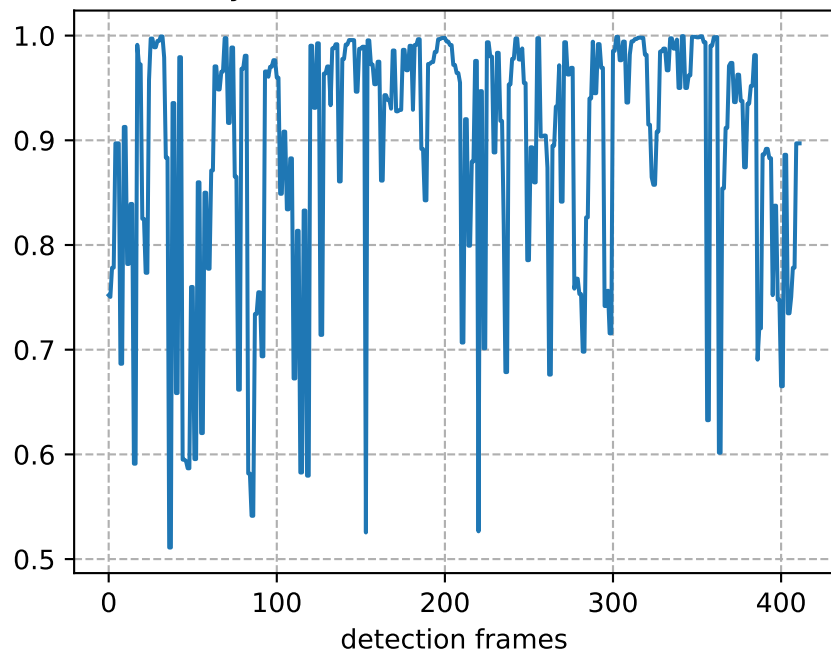
Fraction of image occupied by target [%] - MIN = [1.74]



Target pixel size - MIN = [5767.0]



Probability of correct estimation - AVG = [0.89]



Count of missed detections

