

Python 3.6.8 |Anaconda custom (64-bit)| (default, Feb 21 2019, 18:30:04) [MSC
v.1916 64 bit (AMD64)] on win32
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>>>

RESTART: C:\ObjDetAPI\models-master\research\object_detection\0
Tracker_Evaluator.py

True

Frame: 2 Total Penalty: 0.1365887445887446
 GT_area: 25038
 ST_area: 28768
 Overlap_area: 24931
 IOU: 0.8634112554112554
 Centre Distance: 1.5
 Category: True Positive

Frame: 3 Total Penalty: 0.37858569580825674
 GT_area: 23868
 ST_area: 31488
 Overlap_area: 23868
 IOU: 0.7580030487804879
 Centre Distance: 2.5
 Category: True Positive

Frame: 4 Total Penalty: 0.6232232195660629
 GT_area: 25038
 ST_area: 33147
 Overlap_area: 25038
 IOU: 0.7553624762421939
 Centre Distance: 5.0
 Category: True Positive

Frame: 5 Total Penalty: 0.9029167061561012
 GT_area: 24440
 ST_area: 33930
 Overlap_area: 24440
 IOU: 0.7203065134099617
 Centre Distance: 0.0
 Category: True Positive

Frame: 6 Total Penalty: 1.227895585345062
 GT_area: 23970
 ST_area: 35510
 Overlap_area: 23970
 IOU: 0.6750211208110392
 Centre Distance: 2.0
 Category: True Positive

Frame: 7 Total Penalty: 1.572737870085045
 GT_area: 24592
 ST_area: 37536
 Overlap_area: 24592
 IOU: 0.6551577152600171
 Centre Distance: 1.0
 Category: True Positive

Frame: 8 Total Penalty: 1.9165232264774807
 GT_area: 24360
 ST_area: 37122
 Overlap_area: 24360
 IOU: 0.6562146436075642
 Centre Distance: 1.5
 Category: True Positive

Frame: 9 Total Penalty: 2.2463572842702035
 GT_area: 24514
 ST_area: 36579
 Overlap_area: 24514
 IOU: 0.6701659422072774
 Centre Distance: 2.0
 Category: True Positive

Frame: 10 Total Penalty: 2.6026280944810805
 GT_area: 23200
 ST_area: 36040
 Overlap_area: 23200
 IOU: 0.6437291897891232
 Centre Distance: 3.0
 Category: True Positive

Frame: 11 Total Penalty: 2.972863249640535
 GT_area: 23460
 ST_area: 37252
 Overlap_area: 23460
 IOU: 0.6297648448405455
 Centre Distance: 2.5
 Category: True Positive

Frame: 12 Total Penalty: 3.3473155674855075
 GT_area: 23129
 ST_area: 36974
 Overlap_area: 23129
 IOU: 0.6255476821550279
 Centre Distance: 2.0
 Category: True Positive

Frame: 13 Total Penalty: 3.698916383047308
 GT_area: 23533
 ST_area: 36294
 Overlap_area: 23533
 IOU: 0.6483991844381991
 Centre Distance: 1.5
 Category: True Positive

Frame: 14 Total Penalty: 4.056936992514438
 GT_area: 23300
 ST_area: 36294
 Overlap_area: 23300
 IOU: 0.6419793905328705

Centre Distance: 2.0
Category: True Positive

Frame: 15 Total Penalty: 4.446874099432677
 GT_area: 22310
 ST_area: 36570
 Overlap_area: 22310
 IOU: 0.610062893081761
 Centre Distance: 3.5
 Category: True Positive

Frame: 16 Total Penalty: 4.865049839110618
 GT_area: 20884
 ST_area: 35894
 Overlap_area: 20884
 IOU: 0.5818242603220594
 Centre Distance: 3.5
 Category: True Positive

Frame: 17 Total Penalty: 5.23314938662193
 GT_area: 22344
 ST_area: 35360
 Overlap_area: 22344
 IOU: 0.6319004524886878
 Centre Distance: 3.0
 Category: True Positive

Frame: 18 Total Penalty: 5.596479793411511
 GT_area: 21755
 ST_area: 34170
 Overlap_area: 21755
 IOU: 0.6366695932104185
 Centre Distance: 2.5
 Category: True Positive

Frame: 19 Total Penalty: 6.0004013620389625
 GT_area: 20520
 ST_area: 34425
 Overlap_area: 20520
 IOU: 0.596078431372549
 Centre Distance: 3.5
 Category: True Positive

Frame: 20 Total Penalty: 6.394042216818375
 GT_area: 21111
 ST_area: 34816
 Overlap_area: 21111
 IOU: 0.6063591452205882
 Centre Distance: 3.5
 Category: True Positive

Frame: 21 Total Penalty: 6.81509933289665
 GT_area: 20384
 ST_area: 35209

Overlap_area: 20384
IOU: 0.5789428839217245
Centre Distance: 1.0
Category: True Positive

Frame: 22 Total Penalty: 7.22947841786397
 GT_area: 20608
 ST_area: 35190
 Overlap_area: 20608
 IOU: 0.5856209150326798
 Centre Distance: 1.0
 Category: True Positive

Frame: 23 Total Penalty: 7.623643312737583
 GT_area: 20516
 ST_area: 33864
 Overlap_area: 20516
 IOU: 0.6058351051263879
 Centre Distance: 3.0
 Category: True Positive

Frame: 24 Total Penalty: 8.01575602132353
 GT_area: 21056
 ST_area: 34638
 Overlap_area: 21056
 IOU: 0.607887291414054
 Centre Distance: 2.0
 Category: True Positive

Frame: 25 Total Penalty: 8.387198626275712
 GT_area: 21755
 ST_area: 34611
 Overlap_area: 21755
 IOU: 0.6285573950478172
 Centre Distance: 2.0
 Category: True Positive

Frame: 26 Total Penalty: 8.77429540046926
 GT_area: 21280
 ST_area: 34720
 Overlap_area: 21280
 IOU: 0.6129032258064516
 Centre Distance: 1.5
 Category: True Positive

Frame: 27 Total Penalty: 9.157819677610558
 GT_area: 21470
 ST_area: 34827
 Overlap_area: 21470
 IOU: 0.6164757228587016
 Centre Distance: 2.0
 Category: True Positive

Frame: 28 Total Penalty: 9.512168009199907

GT_area: 22213
ST_area: 34404
Overlap_area: 22213
IOU: 0.6456516684106499
Centre Distance: 3.0
Category: True Positive

Frame: 29 Total Penalty: 9.91150060096854
 GT_area: 21600
 ST_area: 35960
 Overlap_area: 21600
 IOU: 0.6006674082313682
 Centre Distance: 1.5
 Category: True Positive

Frame: 30 Total Penalty: 10.277659032700742
 GT_area: 22116
 ST_area: 34892
 Overlap_area: 22116
 IOU: 0.6338415682677978
 Centre Distance: 2.0
 Category: True Positive

Frame: 31 Total Penalty: 10.646115787929684
 GT_area: 22344
 ST_area: 35380
 Overlap_area: 22344
 IOU: 0.631543244771057
 Centre Distance: 1.5
 Category: True Positive

Frame: 32 Total Penalty: 11.042127418388318
 GT_area: 22019
 ST_area: 36456
 Overlap_area: 22019
 IOU: 0.6039883695413649
 Centre Distance: 1.0
 Category: True Positive

Frame: 33 Total Penalty: 11.426383978155082
 GT_area: 22176
 ST_area: 36015
 Overlap_area: 22176
 IOU: 0.6157434402332361
 Centre Distance: 2.0
 Category: True Positive

Frame: 34 Total Penalty: 11.785898148195567
 GT_area: 23730
 ST_area: 37050
 Overlap_area: 23730
 IOU: 0.6404858299595142
 Centre Distance: 3.5
 Category: True Positive

Frame: 35 Total Penalty: 12.101231821145134
 GT_area: 25536
 ST_area: 37297
 Overlap_area: 25536
 IOU: 0.6846663270504331
 Centre Distance: 5.5
 Category: True Positive

Frame: 36 Total Penalty: 12.453083672996986
 GT_area: 23625
 ST_area: 36450
 Overlap_area: 23625
 IOU: 0.6481481481481481
 Centre Distance: 8.5
 Category: True Positive

Frame: 37 Total Penalty: 12.752259883565602
 GT_area: 24416
 ST_area: 34839
 Overlap_area: 24416
 IOU: 0.7008237894313843
 Centre Distance: 4.0
 Category: True Positive

Frame: 38 Total Penalty: 13.071643333147966
 GT_area: 23712
 ST_area: 34839
 Overlap_area: 23712
 IOU: 0.6806165504176354
 Centre Distance: 3.5
 Category: True Positive

Frame: 39 Total Penalty: 13.368213024854436
 GT_area: 24300
 ST_area: 34545
 Overlap_area: 24300
 IOU: 0.7034303082935301
 Centre Distance: 5.5
 Category: True Positive

Frame: 40 Total Penalty: 13.681692470686823
 GT_area: 24182
 ST_area: 35224
 Overlap_area: 24182
 IOU: 0.686520554167613
 Centre Distance: 6.5
 Category: True Positive

Frame: 41 Total Penalty: 14.027149041462952
 GT_area: 23504
 ST_area: 35909
 Overlap_area: 23504
 IOU: 0.6545434292238714

Centre Distance: 9.5
Category: True Positive

Frame: 42 Total Penalty: 14.352364842068909
 GT_area: 23608
 ST_area: 34986
 Overlap_area: 23608
 IOU: 0.6747841993940433
 Centre Distance: 8.5
 Category: True Positive

Frame: 43 Total Penalty: 15.284101920461909
 GT_area: 23956
 ST_area: 34748
 Overlap_area: 23956
 IOU: 0.6894209738689997
 Centre Distance: 11.0
 Category: False Positive

Frame: 44 Total Penalty: 16.30836242537311
 GT_area: 23504
 ST_area: 35427
 Overlap_area: 23400
 IOU: 0.6585798316962652
 Centre Distance: 13.5
 Category: False Positive

Frame: 45 Total Penalty: 17.269939776232565
 GT_area: 23625
 ST_area: 34510
 Overlap_area: 23520
 IOU: 0.679474216380182
 Centre Distance: 13.0
 Category: False Positive

Frame: 46 Total Penalty: 17.55906508603127
 GT_area: 23520
 ST_area: 33086
 Overlap_area: 23520
 IOU: 0.7108746902012936
 Centre Distance: 15.5
 Category: True Positive

Frame: 47 Total Penalty: 17.848068336302127
 GT_area: 23625
 ST_area: 33228
 Overlap_area: 23625
 IOU: 0.7109967497291441
 Centre Distance: 13.5
 Category: True Positive

Frame: 48 Total Penalty: 18.15358227097399
 GT_area: 23175
 ST_area: 33370

Overlap_area: 23175
IOU: 0.6944860653281391
Centre Distance: 9.5
Category: True Positive

Frame: 49 Total Penalty: 19.170754971690993
GT_area: 22400
ST_area: 33891
Overlap_area: 22400
IOU: 0.6609424330943319
Centre Distance: 11.5
Category: False Positive

Frame: 50 Total Penalty: 20.174750975686997
GT_area: 22644
ST_area: 34034
Overlap_area: 22644
IOU: 0.6653346653346653
Centre Distance: 11.5
Category: False Positive

Frame: 51 Total Penalty: 21.276017909589914
GT_area: 21631
ST_area: 34177
Overlap_area: 21631
IOU: 0.6329110220323609
Centre Distance: 12.0
Category: False Positive

Frame: 52 Total Penalty: 21.65298559807376
GT_area: 21056
ST_area: 33796
Overlap_area: 21056
IOU: 0.6230323115161558
Centre Distance: 7.0
Category: True Positive

Frame: 53 Total Penalty: 22.76672651817061
GT_area: 20774
ST_area: 33040
Overlap_area: 20774
IOU: 0.6287530266343826
Centre Distance: 11.0
Category: False Positive

Frame: 54 Total Penalty: 23.730478593433478
GT_area: 22077
ST_area: 32526
Overlap_area: 22077
IOU: 0.6787493082457111
Centre Distance: 11.0
Category: False Positive

Frame: 55 Total Penalty: 24.037844212094736

GT_area: 21854
ST_area: 31552
Overlap_area: 21854
IOU: 0.6926343813387424
Centre Distance: 5.0
Category: True Positive

Frame: 56 Total Penalty: 24.337212198680575
GT_area: 21825
ST_area: 30915
Overlap_area: 21728
IOU: 0.7006320134141623
Centre Distance: 11.0
Category: True Positive

Frame: 57 Total Penalty: 24.633379670500222
GT_area: 21854
ST_area: 31050
Overlap_area: 21854
IOU: 0.7038325281803542
Centre Distance: 9.5
Category: True Positive

Frame: 58 Total Penalty: 24.93874365517455
GT_area: 21756
ST_area: 31320
Overlap_area: 21756
IOU: 0.6946360153256705
Centre Distance: 9.5
Category: True Positive

Frame: 59 Total Penalty: 25.246064808030958
GT_area: 21534
ST_area: 31088
Overlap_area: 21534
IOU: 0.6926788471435924
Centre Distance: 6.5
Category: True Positive

Frame: 60 Total Penalty: 25.57340763903344
GT_area: 20962
ST_area: 30228
Overlap_area: 20586
IOU: 0.6726571689975167
Centre Distance: 7.0
Category: True Positive

Frame: 61 Total Penalty: 25.89143774168474
GT_area: 21658
ST_area: 31758
Overlap_area: 21658
IOU: 0.6819698973486995
Centre Distance: 1.0
Category: True Positive

Frame: 62 Total Penalty: 26.245989273041083
 GT_area: 21243
 ST_area: 32912
 Overlap_area: 21243
 IOU: 0.6454484686436558
 Centre Distance: 4.5
 Category: True Positive

Frame: 63 Total Penalty: 26.60267433624208
 GT_area: 21681
 ST_area: 33702
 Overlap_area: 21681
 IOU: 0.643314936799003
 Centre Distance: 2.0
 Category: True Positive

Frame: 64 Total Penalty: 26.968500423198602
 GT_area: 21879
 ST_area: 34500
 Overlap_area: 21879
 IOU: 0.6341739130434783
 Centre Distance: 1.5
 Category: True Positive

Frame: 65 Total Penalty: 27.301949236640485
 GT_area: 23088
 ST_area: 34638
 Overlap_area: 23088
 IOU: 0.6665511865581154
 Centre Distance: 0.0
 Category: True Positive

Frame: 66 Total Penalty: 27.653743577565262
 GT_area: 22542
 ST_area: 34776
 Overlap_area: 22542
 IOU: 0.6482056590752243
 Centre Distance: 1.0
 Category: True Positive

Frame: 67 Total Penalty: 28.013551862399222
 GT_area: 22440
 ST_area: 35052
 Overlap_area: 22440
 IOU: 0.640191715166039
 Centre Distance: 3.0
 Category: True Positive

Frame: 68 Total Penalty: 28.39181273196444
 GT_area: 21879
 ST_area: 35190
 Overlap_area: 21879
 IOU: 0.6217391304347826

Centre Distance: 0.5
Category: True Positive

Frame: 69 Total Penalty: 28.759592489421763
 GT_area: 22000
 ST_area: 34798
 Overlap_area: 22000
 IOU: 0.6322202425426748
 Centre Distance: 0.5
 Category: True Positive

Frame: 70 Total Penalty: 29.10506264828823
 GT_area: 22866
 ST_area: 34935
 Overlap_area: 22866
 IOU: 0.6545298411335337
 Centre Distance: 1.0
 Category: True Positive

Frame: 71 Total Penalty: 29.456887465806478
 GT_area: 22644
 ST_area: 34935
 Overlap_area: 22644
 IOU: 0.6481751824817519
 Centre Distance: 0.5
 Category: True Positive

Frame: 72 Total Penalty: 29.820453843543703
 GT_area: 22321
 ST_area: 35072
 Overlap_area: 22321
 IOU: 0.6364336222627737
 Centre Distance: 1.0
 Category: True Positive

Frame: 73 Total Penalty: 30.15135284716689
 GT_area: 23638
 ST_area: 35328
 Overlap_area: 23638
 IOU: 0.6691009963768116
 Centre Distance: 1.0
 Category: True Positive

Frame: 74 Total Penalty: 30.49164885709159
 GT_area: 22866
 ST_area: 34661
 Overlap_area: 22866
 IOU: 0.6597039900753008
 Centre Distance: 1.0
 Category: True Positive

Frame: 75 Total Penalty: 30.819538992979187
 GT_area: 23296
 ST_area: 34661

Overlap_area: 23296
IOU: 0.672109864112403
Centre Distance: 2.5
Category: True Positive

Frame: 76 Total Penalty: 31.12998752365456
GT_area: 24075
ST_area: 34914
Overlap_area: 24075
IOU: 0.6895514693246262
Centre Distance: 0.5
Category: True Positive

Frame: 77 Total Penalty: 31.484875378076904
GT_area: 22866
ST_area: 35445
Overlap_area: 22866
IOU: 0.6451121455776555
Centre Distance: 0.0
Category: True Positive

Frame: 78 Total Penalty: 31.840279414332002
GT_area: 23540
ST_area: 36519
Overlap_area: 23540
IOU: 0.6445959637448999
Centre Distance: 2.0
Category: True Positive

Frame: 79 Total Penalty: 32.17600530815649
GT_area: 24525
ST_area: 36920
Overlap_area: 24525
IOU: 0.6642741061755146
Centre Distance: 2.5
Category: True Positive

Frame: 80 Total Penalty: 32.56240467922567
GT_area: 23415
ST_area: 38160
Overlap_area: 23415
IOU: 0.6136006289308176
Centre Distance: 2.5
Category: True Positive

Frame: 81 Total Penalty: 32.94653742488292
GT_area: 23754
ST_area: 38570
Overlap_area: 23754
IOU: 0.6158672543427535
Centre Distance: 1.0
Category: True Positive

Frame: 82 Total Penalty: 33.32491440180799

GT_area: 23976
ST_area: 38570
Overlap_area: 23976
IOU: 0.6216230230749287
Centre Distance: 1.5
Category: True Positive

Frame: 83 Total Penalty: 33.68278602779275
GT_area: 24860
ST_area: 38715
Overlap_area: 24860
IOU: 0.6421283740152396
Centre Distance: 1.5
Category: True Positive

Frame: 84 Total Penalty: 34.03476846354117
GT_area: 25088
ST_area: 38715
Overlap_area: 25088
IOU: 0.6480175642515821
Centre Distance: 3.5
Category: True Positive

Frame: 85 Total Penalty: 34.36215863062599
GT_area: 25200
ST_area: 37466
Overlap_area: 25200
IOU: 0.6726098329151764
Centre Distance: 2.5
Category: True Positive

Frame: 86 Total Penalty: 34.679601750886015
GT_area: 25200
ST_area: 36920
Overlap_area: 25200
IOU: 0.6825568797399784
Centre Distance: 3.0
Category: True Positive

Frame: 87 Total Penalty: 34.96907096291796
GT_area: 25086
ST_area: 35306
Overlap_area: 25086
IOU: 0.7105307879680508
Centre Distance: 5.0
Category: True Positive

Frame: 88 Total Penalty: 35.262693207979055
GT_area: 24743
ST_area: 35028
Overlap_area: 24743
IOU: 0.706377754938906
Centre Distance: 6.0
Category: True Positive

Frame: 89 Total Penalty: 35.52969881807723
 GT_area: 25197
 ST_area: 34113
 Overlap_area: 25086
 IOU: 0.7329943899018233
 Centre Distance: 6.0
 Category: True Positive

Frame: 90 Total Penalty: 35.78566449865637
 GT_area: 25197
 ST_area: 33345
 Overlap_area: 24975
 IOU: 0.7440343194208597
 Centre Distance: 7.0
 Category: True Positive

Frame: 91 Total Penalty: 36.03214969159684
 GT_area: 25410
 ST_area: 33210
 Overlap_area: 25190
 IOU: 0.7535148070595273
 Centre Distance: 6.5
 Category: True Positive

Frame: 92 Total Penalty: 36.26558129899197
 GT_area: 24961
 ST_area: 32562
 Overlap_area: 24961
 IOU: 0.7665683926048769
 Centre Distance: 1.5
 Category: True Positive

Frame: 93 Total Penalty: 36.49888188838293
 GT_area: 25872
 ST_area: 31680
 Overlap_area: 24976
 IOU: 0.7666994106090373
 Centre Distance: 4.0
 Category: True Positive

Frame: 94 Total Penalty: 36.68539534095143
 GT_area: 27028
 ST_area: 31680
 Overlap_area: 26335
 IOU: 0.8134865474315015
 Centre Distance: 9.0
 Category: True Positive

Frame: 95 Total Penalty: 36.950520711259585
 GT_area: 24486
 ST_area: 32319
 Overlap_area: 24062
 IOU: 0.7348746296918426

Centre Distance: 7.5
Category: True Positive

Frame: 96 Total Penalty: 37.18251184535637
GT_area: 25488
ST_area: 31944
Overlap_area: 24948
IOU: 0.7680088659032139
Centre Distance: 8.0
Category: True Positive

Frame: 97 Total Penalty: 37.44792505042852
GT_area: 24360
ST_area: 31178
Overlap_area: 23520
IOU: 0.7345867949278531
Centre Distance: 8.0
Category: True Positive

Frame: 98 Total Penalty: 37.68552927676676
GT_area: 24698
ST_area: 30680
Overlap_area: 23956
IOU: 0.7623957736617657
Centre Distance: 6.0
Category: True Positive

Frame: 99 Total Penalty: 37.94271908777744
GT_area: 24336
ST_area: 30810
Overlap_area: 23504
IOU: 0.7428101889893179
Centre Distance: 2.0
Category: True Positive

Frame: 100 Total Penalty: 38.1836967467425
GT_area: 24592
ST_area: 30680
Overlap_area: 23850
IOU: 0.7590223410349437
Centre Distance: 5.0
Category: True Positive

Frame: 101 Total Penalty: 38.42583531048815
GT_area: 25016
ST_area: 30550
Overlap_area: 23956
IOU: 0.7578614362543499
Centre Distance: 5.0
Category: True Positive

Frame: 102 Total Penalty: 38.646067099630656
GT_area: 25252
ST_area: 30186

Overlap_area: 24289
IOU: 0.7797682108574914
Centre Distance: 6.0
Category: True Positive

Frame: 103 Total Penalty: 38.911714098222745
GT_area: 24378
ST_area: 29824
Overlap_area: 22950
IOU: 0.7343530014079099
Centre Distance: 3.0
Category: True Positive

Frame: 104 Total Penalty: 39.1892748414338
GT_area: 24174
ST_area: 30057
Overlap_area: 22746
IOU: 0.7224392567889472
Centre Distance: 3.5
Category: True Positive

Frame: 105 Total Penalty: 39.422262154005885
GT_area: 25095
ST_area: 30057
Overlap_area: 23940
IOU: 0.7670126874279123
Centre Distance: 1.0
Category: True Positive

Frame: 106 Total Penalty: 39.67737993091012
GT_area: 26051
ST_area: 31654
Overlap_area: 24634
IOU: 0.7448822230957637
Centre Distance: 0.0
Category: True Positive

Frame: 107 Total Penalty: 39.90623025628973
GT_area: 30366
ST_area: 38220
Overlap_area: 29862
IOU: 0.7711496746203904
Centre Distance: 1.5
Category: True Positive

Frame: 108 Total Penalty: 40.081123134112545
GT_area: 35624
ST_area: 43175
Overlap_area: 35624
IOU: 0.8251071221771858
Centre Distance: 0.5
Category: True Positive

Frame: 109 Total Penalty: 40.241376361520686

GT_area: 42066
ST_area: 46860
Overlap_area: 40590
IOU: 0.839746772591857
Centre Distance: 2.0
Category: True Positive

Frame: 110 Total Penalty: 40.44612956078942
GT_area: 45080
ST_area: 51156
Overlap_area: 42630
IOU: 0.7952468007312614
Centre Distance: 2.0
Category: True Positive

Frame: 111 Total Penalty: 40.63500152899505
GT_area: 44896
ST_area: 52626
Overlap_area: 43676
IOU: 0.8111280317943765
Centre Distance: 2.5
Category: True Positive

Frame: 112 Total Penalty: 40.8584391614889
GT_area: 46995
ST_area: 57760
Overlap_area: 45790
IOU: 0.7765623675061477
Centre Distance: 0.5
Category: True Positive

Frame: 113 Total Penalty: 41.1420790600262
GT_area: 47400
ST_area: 65600
Overlap_area: 47163
IOU: 0.7163601014627033
Centre Distance: 3.5
Category: True Positive

Frame: 114 Total Penalty: 42.24427336441199
GT_area: 45828
ST_area: 70090
Overlap_area: 44916
IOU: 0.6326018985380694
Centre Distance: 11.0
Category: False Positive

Frame: 115 Total Penalty: 43.3778676912855
GT_area: 45800
ST_area: 70632
Overlap_area: 44655
IOU: 0.6221352243754963
Centre Distance: 14.0
Category: False Positive

Frame: 116 Total Penalty: 44.507876596005005
GT_area: 44550
ST_area: 70299
Overlap_area: 44100
IOU: 0.6233303650934996
Centre Distance: 12.5
Category: False Positive

Frame: 117 Total Penalty: 45.63713629048209
GT_area: 44576
ST_area: 71484
Overlap_area: 44576
IOU: 0.6235801018409715
Centre Distance: 11.5
Category: False Positive

Frame: 118 Total Penalty: 46.81134189795873
GT_area: 43956
ST_area: 72225
Overlap_area: 43956
IOU: 0.6085981308411215
Centre Distance: 12.5
Category: False Positive

Frame: 119 Total Penalty: 48.04446558768619
GT_area: 42140
ST_area: 71550
Overlap_area: 42140
IOU: 0.5889587700908455
Centre Distance: 10.5
Category: False Positive

Frame: 120 Total Penalty: 48.508721337722356
GT_area: 37036
ST_area: 69130
Overlap_area: 37036
IOU: 0.5357442499638363
Centre Distance: 6.5
Category: True Positive

Frame: 121 Total Penalty: 49.01954074545498
GT_area: 32757
ST_area: 66963
Overlap_area: 32757
IOU: 0.48918059226737154
Centre Distance: 4.0
Category: True Positive

Frame: 122 Total Penalty: 49.56124856623257
GT_area: 30624
ST_area: 66822
Overlap_area: 30624
IOU: 0.4582921792224118

Centre Distance: 2.0
Category: True Positive

Frame: 123 Total Penalty: 50.114199167840894
GT_area: 29575
ST_area: 66156
Overlap_area: 29575
IOU: 0.4470493983916803
Centre Distance: 3.5
Category: True Positive

Frame: 124 Total Penalty: 50.66588721952895
GT_area: 29559
ST_area: 65934
Overlap_area: 29559
IOU: 0.4483119483119483
Centre Distance: 2.5
Category: True Positive

Frame: 125 Total Penalty: 51.238302122562665
GT_area: 26568
ST_area: 62135
Overlap_area: 26568
IOU: 0.4275850969662831
Centre Distance: 1.5
Category: True Positive

Frame: 126 Total Penalty: 51.85799582181233
GT_area: 22200
ST_area: 58374
Overlap_area: 22200
IOU: 0.38030630075033406
Centre Distance: 7.5
Category: True Positive

Frame: 127 Total Penalty: 53.73546617754356
GT_area: 20448
ST_area: 54648
Overlap_area: 20448
IOU: 0.37417654808959155
Centre Distance: 10.0
Category: False Positive

Frame: 128 Total Penalty: 55.5897858463912
GT_area: 20300
ST_area: 52143
Overlap_area: 20020
IOU: 0.38189344371745226
Centre Distance: 14.5
Category: False Positive

Frame: 129 Total Penalty: 57.455150697367564
GT_area: 19872
ST_area: 52542

Overlap_area: 19872
IOU: 0.37821171634121276
Centre Distance: 13.5
Category: False Positive

Frame: 130 Total Penalty: 59.309926337152305
GT_area: 19856
ST_area: 51522
Overlap_area: 19720
IOU: 0.3817414534050873
Centre Distance: 16.0
Category: False Positive

Frame: 131 Total Penalty: 61.197963146968256
GT_area: 19110
ST_area: 50596
Overlap_area: 18850
IOU: 0.37065439672801637
Centre Distance: 11.0
Category: False Positive

Frame: 132 Total Penalty: 63.05722476250733
GT_area: 19126
ST_area: 50299
Overlap_area: 19126
IOU: 0.3802461281536412
Centre Distance: 13.0
Category: False Positive

Frame: 133 Total Penalty: 64.90124675965878
GT_area: 19479
ST_area: 50552
Overlap_area: 19479
IOU: 0.38532600094951736
Centre Distance: 10.5
Category: False Positive

Frame: 134 Total Penalty: 65.47842985825032
GT_area: 21014
ST_area: 49700
Overlap_area: 21014
IOU: 0.4228169014084507
Centre Distance: 9.0
Category: True Positive

Frame: 135 Total Penalty: 65.88600228880439
GT_area: 27946
ST_area: 46750
Overlap_area: 27789
IOU: 0.5924275694459249
Centre Distance: 6.5
Category: True Positive

Frame: 136 Total Penalty: 66.243446424136

GT_area: 29322
ST_area: 43890
Overlap_area: 28640
IOU: 0.6425558646684016
Centre Distance: 3.5
Category: True Positive

Frame: 137 Total Penalty: 66.5566023919173
GT_area: 37740
ST_area: 45192
Overlap_area: 33768
IOU: 0.6868440322186966
Centre Distance: 4.5
Category: True Positive

Frame: 138 Total Penalty: 66.8576057363989
GT_area: 40128
ST_area: 49280
Overlap_area: 36784
IOU: 0.6989966555183946
Centre Distance: 2.0
Category: True Positive

Frame: 139 Total Penalty: 67.89102248893828
GT_area: 45114
ST_area: 56100
Overlap_area: 40077
IOU: 0.6555277491535404
Centre Distance: 13.5
Category: False Positive

Frame: 140 Total Penalty: 69.00426535276607
GT_area: 46144
ST_area: 58286
Overlap_area: 40320
IOU: 0.6289190453907346
Centre Distance: 19.5
Category: False Positive

Frame: 141 Total Penalty: 70.01917931070106
GT_area: 46864
ST_area: 57424
Overlap_area: 41528
IOU: 0.6616953473550032
Centre Distance: 19.0
Category: False Positive

Frame: 142 Total Penalty: 71.04886391181424
GT_area: 47328
ST_area: 56260
Overlap_area: 41064
IOU: 0.6567717996289425
Centre Distance: 22.0
Category: False Positive

Frame: 143 Total Penalty: 71.96257930138282
GT_area: 47502
ST_area: 55185
Overlap_area: 42120
IOU: 0.6954282034771411
Centre Distance: 19.0
Category: False Positive

Frame: 144 Total Penalty: 72.18854204767719
GT_area: 45978
ST_area: 52882
Overlap_area: 43134
IOU: 0.7740372537056311
Centre Distance: 11.5
Category: True Positive

Frame: 145 Total Penalty: 72.41320969908044
GT_area: 43384
ST_area: 52768
Overlap_area: 41992
IOU: 0.7753323485967504
Centre Distance: 9.5
Category: True Positive

Frame: 146 Total Penalty: 72.68454380602266
GT_area: 42320
ST_area: 51531
Overlap_area: 39560
IOU: 0.7286658930577812
Centre Distance: 16.5
Category: True Positive

Frame: 147 Total Penalty: 72.92646907518035
GT_area: 40656
ST_area: 50952
Overlap_area: 39501
IOU: 0.7580747308423053
Centre Distance: 13.5
Category: True Positive

Frame: 148 Total Penalty: 73.19200195499894
GT_area: 38868
ST_area: 52920
Overlap_area: 38868
IOU: 0.7344671201814059
Centre Distance: 11.0
Category: True Positive

Frame: 149 Total Penalty: 73.47931159966899
GT_area: 38610
ST_area: 54175
Overlap_area: 38610
IOU: 0.7126903553299493

Centre Distance: 10.0
Category: True Positive

Frame: 150 Total Penalty: 73.80409280559623
GT_area: 34950
ST_area: 51761
Overlap_area: 34950
IOU: 0.6752187940727575
Centre Distance: 7.5
Category: True Positive

Frame: 151 Total Penalty: 74.17298169448512
GT_area: 32802
ST_area: 51975
Overlap_area: 32802
IOU: 0.6311111111111111
Centre Distance: 2.5
Category: True Positive

Frame: 152 Total Penalty: 74.57008364376922
GT_area: 31455
ST_area: 52173
Overlap_area: 31455
IOU: 0.6028980507158875
Centre Distance: 3.0
Category: True Positive

Frame: 153 Total Penalty: 74.96899074759436
GT_area: 31020
ST_area: 51606
Overlap_area: 31020
IOU: 0.6010928961748634
Centre Distance: 2.5
Category: True Positive

Frame: 154 Total Penalty: 75.35830463714731
GT_area: 30654
ST_area: 50196
Overlap_area: 30654
IOU: 0.6106861104470476
Centre Distance: 4.5
Category: True Positive

Frame: 155 Total Penalty: 75.75435045226793
GT_area: 29845
ST_area: 49416
Overlap_area: 29845
IOU: 0.6039541848793913
Centre Distance: 2.5
Category: True Positive

Frame: 156 Total Penalty: 76.13052177615346
GT_area: 29625
ST_area: 47489

Overlap_area: 29625
IOU: 0.6238286761144686
Centre Distance: 7.0
Category: True Positive

Frame: 157 Total Penalty: 77.09908842422931
GT_area: 30353
ST_area: 44825
Overlap_area: 30353
IOU: 0.6771444506413832
Centre Distance: 12.0
Category: False Positive

Frame: 158 Total Penalty: 77.38683011836785
GT_area: 30464
ST_area: 42771
Overlap_area: 30464
IOU: 0.7122583058614482
Centre Distance: 9.5
Category: True Positive

Frame: 159 Total Penalty: 77.66689613444133
GT_area: 30099
ST_area: 41808
Overlap_area: 30099
IOU: 0.7199339839265212
Centre Distance: 10.5
Category: True Positive

Frame: 160 Total Penalty: 77.96997910075487
GT_area: 29274
ST_area: 42005
Overlap_area: 29274
IOU: 0.6969170336864658
Centre Distance: 9.0
Category: True Positive

Frame: 161 Total Penalty: 78.26856495934072
GT_area: 29512
ST_area: 42075
Overlap_area: 29512
IOU: 0.7014141414141414
Centre Distance: 8.5
Category: True Positive

Frame: 162 Total Penalty: 78.58863831242296
GT_area: 28920
ST_area: 42534
Overlap_area: 28920
IOU: 0.67992664691776
Centre Distance: 2.5
Category: True Positive

Frame: 163 Total Penalty: 78.8861945712134

GT_area: 31964
ST_area: 45504
Overlap_area: 31964
IOU: 0.702443741209564
Centre Distance: 0.5
Category: True Positive

Frame: 164 Total Penalty: 79.22227138877169
GT_area: 31944
ST_area: 48114
Overlap_area: 31944
IOU: 0.663923182441701
Centre Distance: 2.0
Category: True Positive

Frame: 165 Total Penalty: 79.55724570384018
GT_area: 31070
ST_area: 46720
Overlap_area: 31070
IOU: 0.6650256849315068
Centre Distance: 1.0
Category: True Positive

Frame: 166 Total Penalty: 79.86784723967637
GT_area: 32319
ST_area: 46880
Overlap_area: 32319
IOU: 0.6893984641638226
Centre Distance: 0.5
Category: True Positive

Frame: 167 Total Penalty: 80.14955828288893
GT_area: 32912
ST_area: 45820
Overlap_area: 32912
IOU: 0.7182889567874291
Centre Distance: 1.0
Category: True Positive

Frame: 168 Total Penalty: 80.45915743900707
GT_area: 31416
ST_area: 45504
Overlap_area: 31416
IOU: 0.6904008438818565
Centre Distance: 2.0
Category: True Positive

Frame: 169 Total Penalty: 80.79640146631083
GT_area: 31070
ST_area: 46880
Overlap_area: 31070
IOU: 0.6627559726962458
Centre Distance: 2.0
Category: True Positive

Frame: 170 Total Penalty: 81.10590271154477
GT_area: 31330
ST_area: 45373
Overlap_area: 31330
IOU: 0.6904987547660503
Centre Distance: 1.5
Category: True Positive

Frame: 171 Total Penalty: 81.38223613421965
GT_area: 32400
ST_area: 44772
Overlap_area: 32400
IOU: 0.7236665773251139
Centre Distance: 3.5
Category: True Positive

Frame: 172 Total Penalty: 81.68124898251348
GT_area: 32026
ST_area: 45687
Overlap_area: 32026
IOU: 0.7009871517061746
Centre Distance: 5.5
Category: True Positive

Frame: 173 Total Penalty: 81.93082335527333
GT_area: 33499
ST_area: 44640
Overlap_area: 33499
IOU: 0.7504256272401434
Centre Distance: 7.0
Category: True Positive

Frame: 174 Total Penalty: 82.22041414141765
GT_area: 32568
ST_area: 45844
Overlap_area: 32568
IOU: 0.7104092138556845
Centre Distance: 2.5
Category: True Positive

Frame: 175 Total Penalty: 82.52640811395922
GT_area: 31088
ST_area: 44795
Overlap_area: 31088
IOU: 0.6940060274584217
Centre Distance: 4.5
Category: True Positive

Frame: 176 Total Penalty: 82.7643444232347
GT_area: 32880
ST_area: 43146
Overlap_area: 32880
IOU: 0.7620636907245167

Centre Distance: 6.0
Category: True Positive

Frame: 177 Total Penalty: 82.99651365473692
GT_area: 32232
ST_area: 41978
Overlap_area: 32232
IOU: 0.7678307684977845
Centre Distance: 6.5
Category: True Positive

Frame: 178 Total Penalty: 83.23528417014147
GT_area: 31725
ST_area: 41676
Overlap_area: 31725
IOU: 0.7612294845954506
Centre Distance: 5.0
Category: True Positive

Frame: 179 Total Penalty: 83.45310476014748
GT_area: 32480
ST_area: 41525
Overlap_area: 32480
IOU: 0.7821794099939795
Centre Distance: 3.5
Category: True Positive

Frame: 180 Total Penalty: 83.734159394559
GT_area: 31740
ST_area: 44148
Overlap_area: 31740
IOU: 0.7189453655884751
Centre Distance: 3.0
Category: True Positive

Frame: 181 Total Penalty: 83.98418809390465
GT_area: 32665
ST_area: 43555
Overlap_area: 32665
IOU: 0.749971300654345
Centre Distance: 4.0
Category: True Positive

Frame: 182 Total Penalty: 84.2540060895291
GT_area: 31373
ST_area: 42966
Overlap_area: 31373
IOU: 0.7301820043755528
Centre Distance: 4.5
Category: True Positive

Frame: 183 Total Penalty: 84.5384967811126
GT_area: 30324
ST_area: 42381

Overlap_area: 30324
IOU: 0.7155093084165074
Centre Distance: 5.0
Category: True Positive

Frame: 184 Total Penalty: 84.81795902367553
GT_area: 30228
ST_area: 41952
Overlap_area: 30228
IOU: 0.7205377574370709
Centre Distance: 4.0
Category: True Positive

Frame: 185 Total Penalty: 85.08019747610348
GT_area: 29900
ST_area: 40528
Overlap_area: 29900
IOU: 0.7377615475720489
Centre Distance: 2.5
Category: True Positive

Frame: 186 Total Penalty: 85.35219747610348
GT_area: 30030
ST_area: 41250
Overlap_area: 30030
IOU: 0.728
Centre Distance: 1.0
Category: True Positive

Frame: 187 Total Penalty: 85.62650684081875
GT_area: 29106
ST_area: 40108
Overlap_area: 29106
IOU: 0.7256906352847312
Centre Distance: 5.0
Category: True Positive

Frame: 188 Total Penalty: 85.86873853396094
GT_area: 29337
ST_area: 38715
Overlap_area: 29337
IOU: 0.757768306857807
Centre Distance: 6.0
Category: True Positive

Frame: 189 Total Penalty: 86.1234820896346
GT_area: 28044
ST_area: 37630
Overlap_area: 28044
IOU: 0.7452564443263354
Centre Distance: 4.5
Category: True Positive

Frame: 190 Total Penalty: 86.36508880426291

GT_area: 27830
ST_area: 36696
Overlap_area: 27830
IOU: 0.7583932853717026
Centre Distance: 5.0
Category: True Positive

Frame: 191 Total Penalty: 86.59562408406826
GT_area: 27830
ST_area: 36168
Overlap_area: 27830
IOU: 0.7694647201946472
Centre Distance: 5.0
Category: True Positive

Frame: 192 Total Penalty: 86.87365889349765
GT_area: 26216
ST_area: 36312
Overlap_area: 26216
IOU: 0.7219651905706103
Centre Distance: 5.0
Category: True Positive

Frame: 193 Total Penalty: 87.10427617744827
GT_area: 28044
ST_area: 36450
Overlap_area: 28044
IOU: 0.7693827160493827
Centre Distance: 6.0
Category: True Positive

Frame: 194 Total Penalty: 87.36947213437355
GT_area: 26680
ST_area: 36309
Overlap_area: 26680
IOU: 0.7348040430747198
Centre Distance: 3.5
Category: True Positive

Frame: 195 Total Penalty: 87.60968447677567
GT_area: 27480
ST_area: 36168
Overlap_area: 27480
IOU: 0.7597876575978766
Centre Distance: 4.0
Category: True Positive

Frame: 196 Total Penalty: 87.84368414081061
GT_area: 27588
ST_area: 35490
Overlap_area: 27360
IOU: 0.7660003359650597
Centre Distance: 5.5
Category: True Positive

Frame: 197 Total Penalty: 88.07863833390434
GT_area: 27140
ST_area: 35475
Overlap_area: 27140
IOU: 0.765045806906272
Centre Distance: 4.5
Category: True Positive

Frame: 198 Total Penalty: 88.37262644225052
GT_area: 26096
ST_area: 35880
Overlap_area: 25648
IOU: 0.7060118916538207
Centre Distance: 0.0
Category: True Positive

Frame: 199 Total Penalty: 88.66296598344098
GT_area: 26565
ST_area: 35217
Overlap_area: 25645
IOU: 0.7096604588095304
Centre Distance: 4.0
Category: True Positive

Frame: 200 Total Penalty: 89.91153770349811
GT_area: 25942
ST_area: 36156
Overlap_area: 22890
IOU: 0.5838094266476229
Centre Distance: 11.0
Category: False Positive

Frame: 201 Total Penalty: 90.43041590491195
GT_area: 25680
ST_area: 38223
Overlap_area: 20758
IOU: 0.48112179858616294
Centre Distance: 9.0
Category: True Positive

Frame: 202 Total Penalty: 90.95273878528361
GT_area: 26076
ST_area: 37538
Overlap_area: 20564
IOU: 0.47767711962833914
Centre Distance: 0.5
Category: True Positive

Frame: 203 Total Penalty: 92.72511160370173
GT_area: 28548
ST_area: 39762
Overlap_area: 19836
IOU: 0.409209060527293

Centre Distance: 15.0
Category: False Positive

Frame: 204 Total Penalty: 94.30043589278229
GT_area: 26244
ST_area: 38225
Overlap_area: 20758
IOU: 0.47489190363981604
Centre Distance: 16.5
Category: False Positive

Frame: 205 Total Penalty: 94.70540005185987
GT_area: 26487
ST_area: 36040
Overlap_area: 23326
IOU: 0.5950358409224255
Centre Distance: 5.5
Category: True Positive

Frame: 206 Total Penalty: 95.08704256393716
GT_area: 27440
ST_area: 38220
Overlap_area: 25088
IOU: 0.6183574879227053
Centre Distance: 5.0
Category: True Positive

Frame: 207 Total Penalty: 95.3716893030676
GT_area: 28431
ST_area: 39744
Overlap_area: 28431
IOU: 0.7153532608695652
Centre Distance: 7.5
Category: True Positive

Frame: 208 Total Penalty: 95.65877134755132
GT_area: 29040
ST_area: 40734
Overlap_area: 29040
IOU: 0.7129179555162763
Centre Distance: 6.0
Category: True Positive

Frame: 209 Total Penalty: 95.93085793199633
GT_area: 28920
ST_area: 39730
Overlap_area: 28920
IOU: 0.7279134155549962
Centre Distance: 6.5
Category: True Positive

Frame: 210 Total Penalty: 96.17096010313298
GT_area: 29750
ST_area: 39150

Overlap_area: 29750
IOU: 0.7598978288633461
Centre Distance: 0.0
Category: True Positive

Frame: 211 Total Penalty: 96.41814703598234
GT_area: 29036
ST_area: 38570
Overlap_area: 29036
IOU: 0.7528130671506352
Centre Distance: 2.5
Category: True Positive

Frame: 212 Total Penalty: 96.62218205691877
GT_area: 29274
ST_area: 36778
Overlap_area: 29274
IOU: 0.7959649790635707
Centre Distance: 0.5
Category: True Positive

Frame: 213 Total Penalty: 96.80794740008066
GT_area: 29161
ST_area: 35814
Overlap_area: 29161
IOU: 0.814234656838108
Centre Distance: 2.0
Category: True Positive

Frame: 214 Total Penalty: 96.97323159537099
GT_area: 29988
ST_area: 35926
Overlap_area: 29988
IOU: 0.834715804709681
Centre Distance: 1.0
Category: True Positive

Frame: 215 Total Penalty: 97.11704430440109
GT_area: 30976
ST_area: 36179
Overlap_area: 30976
IOU: 0.8561872909698997
Centre Distance: 4.5
Category: True Positive

Frame: 216 Total Penalty: 97.35650601031837
GT_area: 34160
ST_area: 37008
Overlap_area: 30744
IOU: 0.7605382940827231
Centre Distance: 16.0
Category: True Positive

Frame: 217 Total Penalty: 98.42730247049536

GT_area: 35321
ST_area: 32076
Overlap_area: 26378
IOU: 0.6430678466076696
Centre Distance: 16.5
Category: False Positive

Frame: 218 Total Penalty: 99.37052524022398
GT_area: 32943
ST_area: 35814
Overlap_area: 27966
IOU: 0.6855924100904611
Centre Distance: 22.0
Category: False Positive

Frame: 219 Total Penalty: 100.90894689323653
GT_area: 35478
ST_area: 50568
Overlap_area: 28188
IOU: 0.4871927823291507
Centre Distance: 43.0
Category: False Positive

Frame: 220 Total Penalty: 102.61829702006239
GT_area: 34510
ST_area: 63600
Overlap_area: 29512
IOU: 0.4302166243913817
Centre Distance: 48.5
Category: False Positive

Frame: 221 Total Penalty: 104.14055052336799
GT_area: 31144
ST_area: 63226
Overlap_area: 31144
IOU: 0.4925821655647993
Centre Distance: 21.0
Category: False Positive

Frame: 222 Total Penalty: 104.67785027245118
GT_area: 28767
ST_area: 62172
Overlap_area: 28767
IOU: 0.46270025091681144
Centre Distance: 4.5
Category: True Positive

Frame: 223 Total Penalty: 106.16204274914178
GT_area: 28288
ST_area: 55986
Overlap_area: 28288
IOU: 0.5052691744364662
Centre Distance: 13.0
Category: False Positive

Frame: 224 Total Penalty: 106.62254371253292
GT_area: 27720
ST_area: 51381
Overlap_area: 27720
IOU: 0.5394990366088632
Centre Distance: 6.5
Category: True Positive

Frame: 225 Total Penalty: 107.99188169162699
GT_area: 25272
ST_area: 46494
Overlap_area: 25272
IOU: 0.5435540069686411
Centre Distance: 10.5
Category: False Positive

Frame: 226 Total Penalty: 108.4632639689764
GT_area: 23653
ST_area: 44745
Overlap_area: 23653
IOU: 0.5286177226505755
Centre Distance: 4.0
Category: True Positive

Frame: 227 Total Penalty: 108.91645369557126
GT_area: 23760
ST_area: 43452
Overlap_area: 23760
IOU: 0.5468102734051367
Centre Distance: 0.5
Category: True Positive

Frame: 228 Total Penalty: 109.35644443845486
GT_area: 24198
ST_area: 43210
Overlap_area: 24198
IOU: 0.5600092571164083
Centre Distance: 1.0
Category: True Positive

Frame: 229 Total Penalty: 109.77282669101459
GT_area: 24966
ST_area: 42778
Overlap_area: 24966
IOU: 0.5836177474402731
Centre Distance: 4.0
Category: True Positive

Frame: 230 Total Penalty: 110.1722972049561
GT_area: 24725
ST_area: 41172
Overlap_area: 24725
IOU: 0.6005294860584863

Centre Distance: 5.0
Category: True Positive

Frame: 231 Total Penalty: 110.54964429783301
GT_area: 24738
ST_area: 39730
Overlap_area: 24738
IOU: 0.6226529071230807
Centre Distance: 5.5
Category: True Positive

Frame: 232 Total Penalty: 110.89214116500094
GT_area: 25185
ST_area: 38304
Overlap_area: 25185
IOU: 0.6575031328320802
Centre Distance: 4.0
Category: True Positive

Frame: 233 Total Penalty: 111.19951071852434
GT_area: 25752
ST_area: 37180
Overlap_area: 25752
IOU: 0.6926304464766003
Centre Distance: 3.0
Category: True Positive

Frame: 234 Total Penalty: 111.4818572097524
GT_area: 26180
ST_area: 36480
Overlap_area: 26180
IOU: 0.7176535087719298
Centre Distance: 2.5
Category: True Positive

Frame: 235 Total Penalty: 111.75762770947077
GT_area: 27000
ST_area: 37281
Overlap_area: 27000
IOU: 0.7242295002816448
Centre Distance: 4.5
Category: True Positive

Frame: 236 Total Penalty: 112.01380662460637
GT_area: 27206
ST_area: 36576
Overlap_area: 27206
IOU: 0.7438210848643919
Centre Distance: 2.5
Category: True Positive

Frame: 237 Total Penalty: 112.28802665744709
GT_area: 26520
ST_area: 36540

Overlap_area: 26520
IOU: 0.7257799671592775
Centre Distance: 3.0
Category: True Positive

Frame: 238 Total Penalty: 112.57267557582507
GT_area: 26314
ST_area: 36250
Overlap_area: 26091
IOU: 0.7153510816220218
Centre Distance: 4.5
Category: True Positive

Frame: 239 Total Penalty: 112.87506712198747
GT_area: 25086
ST_area: 35960
Overlap_area: 25086
IOU: 0.6976084538375973
Centre Distance: 3.5
Category: True Positive

Frame: 240 Total Penalty: 113.22642218013976
GT_area: 23647
ST_area: 36456
Overlap_area: 23647
IOU: 0.6486449418477068
Centre Distance: 2.5
Category: True Positive

Frame: 241 Total Penalty: 113.71059235080511
GT_area: 20855
ST_area: 40430
Overlap_area: 20855
IOU: 0.5158298293346525
Centre Distance: 8.5
Category: True Positive

Frame: 242 Total Penalty: 114.31868534854769
GT_area: 18576
ST_area: 47399
Overlap_area: 18576
IOU: 0.3919070022574316
Centre Distance: 7.5
Category: True Positive

Frame: 243 Total Penalty: 116.28281188011742
GT_area: 19135
ST_area: 55417
Overlap_area: 19135
IOU: 0.3452911561434217
Centre Distance: 15.0
Category: False Positive

Frame: 244 Total Penalty: 118.4518137160436

GT_area: 17200
ST_area: 62094
Overlap_area: 17200
IOU: 0.27699938802460783
Centre Distance: 14.0
Category: False Positive

Frame: 245 Total Penalty: 120.79765550103346
GT_area: 16125
ST_area: 73950
Overlap_area: 16125
IOU: 0.21805273833671399
Centre Distance: 25.5
Category: False Positive

Frame: 246 Total Penalty: 123.26414135922796
GT_area: 14688
ST_area: 82592
Overlap_area: 14688
IOU: 0.17783804726850058
Centre Distance: 26.0
Category: False Positive

Frame: 247 Total Penalty: 125.83643865652526
GT_area: 13082
ST_area: 91760
Overlap_area: 13082
IOU: 0.14256756756756755
Centre Distance: 21.5
Category: False Positive

Frame: 248 Total Penalty: 128.47856891432716
GT_area: 12660
ST_area: 106128
Overlap_area: 12660
IOU: 0.11928991406603347
Centre Distance: 40.0
Category: False Positive

Frame: 249 Total Penalty: 131.20984702160735
GT_area: 12369
ST_area: 138087
Overlap_area: 12369
IOU: 0.08957396423993569
Centre Distance: 54.0
Category: False Positive

Frame: 250 Total Penalty: 134.01735976488817
GT_area: 11077
ST_area: 172640
Overlap_area: 11077
IOU: 0.0641624189063948
Centre Distance: 63.5
Category: False Positive

Frame: 251 Total Penalty: 136.86583143126484
GT_area: 10850
ST_area: 206492
Overlap_area: 10450
IOU: 0.05050944454111324
Centre Distance: 109.0
Category: False Positive

Frame: 252 Total Penalty: 139.7634773137698
GT_area: 10128
ST_area: 293942
Overlap_area: 10032
IOU: 0.03411803916500589
Centre Distance: 133.5
Category: False Positive

Frame: 253 Total Penalty: 142.69919587067633
GT_area: 9030
ST_area: 421428
Overlap_area: 9030
IOU: 0.021427147697827387
Centre Distance: 158.5
Category: False Positive

Frame: 254 Total Penalty: 145.65354108493344
GT_area: 7752
ST_area: 509388
Overlap_area: 7752
IOU: 0.015218261914297157
Centre Distance: 176.0
Category: False Positive

Frame: 255 Total Penalty: 148.61502068920265
GT_area: 7904
ST_area: 615570
Overlap_area: 7904
IOU: 0.012840131910262034
Centre Distance: 196.0
Category: False Positive

Frame: 256 Total Penalty: 151.58919026962224
GT_area: 6501
ST_area: 755040
Overlap_area: 6501
IOU: 0.00861013986013986
Centre Distance: 229.5
Category: False Positive

Frame: 257 Total Penalty: 154.57694776745603
GT_area: 5070
ST_area: 928928
Overlap_area: 3796
IOU: 0.00408083405539872

Centre Distance: 266.0
Category: False Positive

Frame: 258 Total Penalty: 157.56835725041722
GT_area: 4324
ST_area: 1211998
Overlap_area: 3473
IOU: 0.0028635056796023246
Centre Distance: 308.0
Category: False Positive

Frame: 259 Total Penalty: 160.5638485686338
GT_area: 2499
ST_area: 1662792
Overlap_area: 2499
IOU: 0.0015028939278033573
Centre Distance: 188.0
Category: False Positive

Frame: 260 Total Penalty: 163.56225743113367
GT_area: 780
ST_area: 1470646
Overlap_area: 780
IOU: 0.0005303791667063318
Centre Distance: 82.5
Category: False Positive

Frame: 261 Total Penalty: 166.56033518984452
GT_area: 870
ST_area: 1357790
Overlap_area: 870
IOU: 0.0006407470963845661
Centre Distance: 55.5
Category: False Positive

Frame: 262 Total Penalty: 169.55968634877112
GT_area: 296
ST_area: 1368594
Overlap_area: 296
IOU: 0.00021628035779785678
Centre Distance: 30.0
Category: False Positive

Frame: 263 Total Penalty: 172.55903750769772
GT_area: 12
ST_area: 1491934
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 364.0
Category: False Positive

Frame: 264 Total Penalty: 175.5583886662432
GT_area: 9
ST_area: 1752508

Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 365.0
Category: False Positive

Frame: 265 Total Penalty: 178.55773982555093
GT_area: 6
ST_area: 2146584
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 286.5
Category: False Positive

Frame: 266 Total Penalty: 181.55709098447753
GT_area: 20
ST_area: 2712025
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 162.5
Category: False Positive

Frame: 267 Total Penalty: 184.55644214340413
GT_area: 12
ST_area: 3245748
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 129.0
Category: False Positive

Frame: 268 Total Penalty: 187.55579330233073
GT_area: 2
ST_area: 3773889
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 182.0
Category: False Positive

Frame: 269 Total Penalty: 190.55514446125733
GT_area: 2
ST_area: 4296431
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 265.5
Category: False Positive

Frame: 270 Total Penalty: 193.55449562018393
GT_area: 16
ST_area: 4897935
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 347.5
Category: False Positive

Frame: 271 Total Penalty: 196.55384677911053

GT_area: 20
ST_area: 5374188
Overlap_area: 0
IOU: 0.00021628035779785678
Centre Distance: 323.5
Category: False Positive

Frame: 272 Total Penalty: 199.5519124692901
GT_area: 3800
ST_area: 5893575
Overlap_area: 3800
IOU: 0.0006447699401466851
Centre Distance: 120.5
Category: False Positive

Frame: 273 Total Penalty: 202.54890122844344
GT_area: 7175
ST_area: 7148216
Overlap_area: 7175
IOU: 0.0010037469488890654
Centre Distance: 308.5
Category: False Positive

Frame: 274 Total Penalty: 205.54635154103786
GT_area: 7420
ST_area: 8730482
Overlap_area: 7420
IOU: 0.0008498958018583625
Centre Distance: 675.0
Category: False Positive

Frame: 275 Total Penalty: 208.54204055545736
GT_area: 12470
ST_area: 8677830
Overlap_area: 12470
IOU: 0.0014369951934988356
Centre Distance: 68.0
Category: False Positive

Frame: 276 Total Penalty: 211.53632242369193
GT_area: 16275
ST_area: 8538628
Overlap_area: 16275
IOU: 0.0019060439218103891
Centre Distance: 253.5
Category: False Positive

Frame: 277 Total Penalty: 214.52920327118275
GT_area: 20832
ST_area: 8778573
Overlap_area: 20832
IOU: 0.00237305083639448
Centre Distance: 85.5
Category: False Positive

Frame: 278 Total Penalty: 217.52002753762739
GT_area: 25857
ST_area: 8453929
Overlap_area: 25857
IOU: 0.003058577851789387
Centre Distance: 185.0
Category: False Positive

Frame: 279 Total Penalty: 218.51659401559695
GT_area: 28416
ST_area: 8276050
Overlap_area: 28416
IOU: 0.0034335220304372253
Centre Distance: 1.5
Category: True Positive

Frame: 280 Total Penalty: 221.50637998197277
GT_area: 27875
ST_area: 8187265
Overlap_area: 27875
IOU: 0.0034046778747237327
Centre Distance: 91.0
Category: False Positive

Frame: 281 Total Penalty: 224.4963269403822
GT_area: 27875
ST_area: 8318378
Overlap_area: 27875
IOU: 0.0033510138635200275
Centre Distance: 85.5
Category: False Positive

Frame: 282 Total Penalty: 227.4862965631842
GT_area: 28892
ST_area: 8641350
Overlap_area: 28892
IOU: 0.0033434590660024184
Centre Distance: 91.5
Category: False Positive

Frame: 283 Total Penalty: 230.47639877993927
GT_area: 28980
ST_area: 8783785
Overlap_area: 28980
IOU: 0.0032992610816407735
Centre Distance: 148.5
Category: False Positive

Frame: 284 Total Penalty: 233.46612435663764
GT_area: 30916
ST_area: 9027076
Overlap_area: 30916
IOU: 0.003424807767210556

Centre Distance: 16.5
Category: False Positive

Frame: 285 Total Penalty: 236.45708842647934
GT_area: 27798
ST_area: 9229155
Overlap_area: 27798
IOU: 0.00301197671942881
Centre Distance: 173.0
Category: False Positive

Frame: 286 Total Penalty: 239.44782591942527
GT_area: 28625
ST_area: 9271248
Overlap_area: 28625
IOU: 0.0030875023513555026
Centre Distance: 76.5
Category: False Positive

Frame: 287 Total Penalty: 242.43884060558915
GT_area: 28413
ST_area: 9486480
Overlap_area: 28413
IOU: 0.0029951046120373415
Centre Distance: 253.5
Category: False Positive

Frame: 288 Total Penalty: 245.4298399120961
GT_area: 29358
ST_area: 9785246
Overlap_area: 29358
IOU: 0.0030002311643468134
Centre Distance: 134.5
Category: False Positive

Frame: 289 Total Penalty: 248.42145068090235
GT_area: 27951
ST_area: 9995314
Overlap_area: 27951
IOU: 0.0027964103979124617
Centre Distance: 157.5
Category: False Positive

Frame: 290 Total Penalty: 251.4128002440464
GT_area: 29140
ST_area: 10105848
Overlap_area: 29140
IOU: 0.002883478951988987
Centre Distance: 42.0
Category: False Positive

Frame: 291 Total Penalty: 254.40452112780667
GT_area: 28670
ST_area: 10388790

Overlap_area: 28670
IOU: 0.0027597054132386927
Centre Distance: 95.5
Category: False Positive

Frame: 292 Total Penalty: 257.39688127779664
GT_area: 27144
ST_area: 10658848
Overlap_area: 27144
IOU: 0.002546616670019124
Centre Distance: 118.0
Category: False Positive

Frame: 293 Total Penalty: 260.3889711851725
GT_area: 28798
ST_area: 10921996
Overlap_area: 28798
IOU: 0.0026366975413651497
Centre Distance: 96.5
Category: False Positive

Frame: 294 Total Penalty: 263.38155639802676
GT_area: 27612
ST_area: 11171730
Overlap_area: 27612
IOU: 0.002471595715256276
Centre Distance: 130.5
Category: False Positive

Frame: 295 Total Penalty: 266.37449663550507
GT_area: 27261
ST_area: 11584384
Overlap_area: 27261
IOU: 0.002353254173894788
Centre Distance: 189.5
Category: False Positive

Frame: 296 Total Penalty: 269.36818045575654
GT_area: 24804
ST_area: 11781172
Overlap_area: 24804
IOU: 0.0021053932495001346
Centre Distance: 85.5
Category: False Positive

Frame: 297 Total Penalty: 272.3625377886886
GT_area: 23000
ST_area: 12228260
Overlap_area: 23000
IOU: 0.001880889022640997
Centre Distance: 209.0
Category: False Positive

Frame: 298 Total Penalty: 275.35676260519926

GT_area: 24232
ST_area: 12587652
Overlap_area: 24232
IOU: 0.0019250611631144554
Centre Distance: 111.0
Category: False Positive

Frame: 299 Total Penalty: 278.3513287176507
GT_area: 23690
ST_area: 13079034
Overlap_area: 23690
IOU: 0.0018112958495252783
Centre Distance: 345.5
Category: False Positive

Frame: 300 Total Penalty: 281.3459738102077
GT_area: 23587
ST_area: 13214234
Overlap_area: 23587
IOU: 0.0017849691476630428
Centre Distance: 211.0
Category: False Positive

Frame: 301 Total Penalty: 284.34034105913486
GT_area: 25179
ST_area: 13410321
Overlap_area: 25179
IOU: 0.0018775836909496798
Centre Distance: 36.0
Category: False Positive

Frame: 302 Total Penalty: 287.33489157141685
GT_area: 24948
ST_area: 13734135
Overlap_area: 24948
IOU: 0.0018164959060035452
Centre Distance: 119.5
Category: False Positive

Frame: 303 Total Penalty: 290.32968040526634
GT_area: 24732
ST_area: 14237888
Overlap_area: 24732
IOU: 0.0017370553834950802
Centre Distance: 387.5
Category: False Positive

Frame: 304 Total Penalty: 293.32439533761476
GT_area: 25312
ST_area: 14368028
Overlap_area: 25312
IOU: 0.0017616892171980734
Centre Distance: 157.0
Category: False Positive

Frame: 305 Total Penalty: 296.31935088522175
GT_area: 24624
ST_area: 14644206
Overlap_area: 24624
IOU: 0.0016814841309935138
Centre Distance: 41.5
Category: False Positive

Frame: 306 Total Penalty: 299.3142919521578
GT_area: 25538
ST_area: 15144300
Overlap_area: 25538
IOU: 0.001686311021308347
Centre Distance: 149.5
Category: False Positive

Frame: 307 Total Penalty: 302.30946069988875
GT_area: 25080
ST_area: 15573602
Overlap_area: 25080
IOU: 0.0016104174230213409
Centre Distance: 219.5
Category: False Positive

Frame: 308 Total Penalty: 305.30456109374194
GT_area: 25650
ST_area: 15705344
Overlap_area: 25650
IOU: 0.001633202048933153
Centre Distance: 15.0
Category: False Positive

Frame: 309 Total Penalty: 308.30010297865914
GT_area: 23976
ST_area: 16134173
Overlap_area: 23976
IOU: 0.0014860383609373719
Centre Distance: 118.5
Category: False Positive

Frame: 310 Total Penalty: 311.29588984275676
GT_area: 24198
ST_area: 17230396
Overlap_area: 24198
IOU: 0.0014043786341300572
Centre Distance: 385.0
Category: False Positive

Frame: 311 Total Penalty: 314.29169300197015
GT_area: 24530
ST_area: 17534618
Overlap_area: 24530
IOU: 0.0013989469288695083

Centre Distance: 18.5
Category: False Positive

Frame: 312 Total Penalty: 317.2878160946175
GT_area: 23108
ST_area: 17881263
Overlap_area: 23108
IOU: 0.0012923024508951074
Centre Distance: 124.5
Category: False Positive

Frame: 313 Total Penalty: 320.28406878287916
GT_area: 23976
ST_area: 19194560
Overlap_area: 23976
IOU: 0.0012491039127752862
Centre Distance: 373.5
Category: False Positive

Frame: 314 Total Penalty: 323.28061769479865
GT_area: 22360
ST_area: 19437348
Overlap_area: 22360
IOU: 0.0011503626935114811
Centre Distance: 190.5
Category: False Positive

Frame: 315 Total Penalty: 326.27717672153165
GT_area: 22578
ST_area: 19684547
Overlap_area: 22578
IOU: 0.0011469910889999144
Centre Distance: 109.5
Category: False Positive

Frame: 316 Total Penalty: 329.2739868874045
GT_area: 21840
ST_area: 20540253
Overlap_area: 21840
IOU: 0.0010632780423882801
Centre Distance: 352.5
Category: False Positive

Frame: 317 Total Penalty: 332.2706609324482
GT_area: 23108
ST_area: 20843337
Overlap_area: 23108
IOU: 0.0011086516520843089
Centre Distance: 292.0
Category: False Positive

Frame: 318 Total Penalty: 335.2674667606193
GT_area: 22366
ST_area: 21006384

Overlap_area: 22366
IOU: 0.0010647239429689564
Centre Distance: 331.0
Category: False Positive

Frame: 319 Total Penalty: 338.2642724354205
GT_area: 22152
ST_area: 20804394
Overlap_area: 22152
IOU: 0.001064775066267251
Centre Distance: 413.0
Category: False Positive

Frame: 320 Total Penalty: 341.2611669096218
GT_area: 21311
ST_area: 20586852
Overlap_area: 21311
IOU: 0.0010351752662330306
Centre Distance: 376.5
Category: False Positive

Frame: 321 Total Penalty: 344.2580106461463
GT_area: 21424
ST_area: 20363319
Overlap_area: 21424
IOU: 0.001052087825172311
Centre Distance: 510.0
Category: False Positive

Frame: 322 Total Penalty: 347.25514477020977
GT_area: 19291
ST_area: 20193826
Overlap_area: 19291
IOU: 0.0009552919788454155
Centre Distance: 432.0
Category: False Positive

Frame: 323 Total Penalty: 350.25246601832237
GT_area: 18025
ST_area: 20186640
Overlap_area: 18025
IOU: 0.0008929172957956352
Centre Distance: 501.0
Category: False Positive

Frame: 324 Total Penalty: 353.250012676072
GT_area: 16366
ST_area: 20012699
Overlap_area: 16366
IOU: 0.0008177807501127159
Centre Distance: 459.5
Category: False Positive

Frame: 325 Total Penalty: 356.2478839872042

GT_area: 14157
ST_area: 19951718
Overlap_area: 14157
IOU: 0.0007095629559319153
Centre Distance: 563.5
Category: False Positive

Frame: 326 Total Penalty: 359.24609894820776
GT_area: 11656
ST_area: 19589488
Overlap_area: 11656
IOU: 0.0005950129988083405
Centre Distance: 433.0
Category: False Positive

Frame: 327 Total Penalty: 362.2446495211365
GT_area: 9434
ST_area: 19526336
Overlap_area: 9434
IOU: 0.0004831423570709835
Centre Distance: 426.5
Category: False Positive

Frame: 328 Total Penalty: 365.2434935501286
GT_area: 7482
ST_area: 19417442
Overlap_area: 7482
IOU: 0.00038532366930721357
Centre Distance: 452.5
Category: False Positive

Frame: 329 Total Penalty: 368.2423797945661
GT_area: 7138
ST_area: 19226840
Overlap_area: 7138
IOU: 0.00037125185417884583
Centre Distance: 517.0
Category: False Positive

Frame: 330 Total Penalty: 371.24133742447276
GT_area: 6622
ST_area: 19058490
Overlap_area: 6622
IOU: 0.0003474566977761617
Centre Distance: 335.0
Category: False Positive

Frame: 331 Total Penalty: 374.2405156223466
GT_area: 5146
ST_area: 18785544
Overlap_area: 5146
IOU: 0.00027393404204850285
Centre Distance: 468.5
Category: False Positive

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Frame: 332 Total Penalty: 377.2398744292757  
GT_area: 3936  
ST_area: 18415670  
Overlap_area: 3936  
IOU: 0.0002137310236336772  
Centre Distance: 428.5  
Category: False Positive  
-----  
Frame: 333 Total Penalty: 380.23936055070436  
GT_area: 3159  
ST_area: 18442100  
Overlap_area: 3159  
IOU: 0.0001712928571041259  
Centre Distance: 477.5  
Category: False Positive  
-----  
Frame: 334 Total Penalty: 383.2389508161153  
GT_area: 2496  
ST_area: 18275245  
Overlap_area: 2496  
IOU: 0.0001365781963524976  
Centre Distance: 282.5  
Category: False Positive  
-----  
Frame: 335 Total Penalty: 386.2386541944873  
GT_area: 1800  
ST_area: 18205011  
Overlap_area: 1800  
IOU: 9.887387598941852e-05  
Centre Distance: 429.0  
Category: False Positive  
-----  
Frame: 336 Total Penalty: 389.23838978211086  
GT_area: 1425  
ST_area: 16167927  
Overlap_area: 1425  
IOU: 8.813745880965445e-05  
Centre Distance: 217.0  
Category: False Positive  
-----  
Frame: 337 Total Penalty: 392.2380850274678  
GT_area: 1554  
ST_area: 15297552  
Overlap_area: 1554  
IOU: 0.0001015848810319455  
Centre Distance: 288.0  
Category: False Positive  
-----  
Frame: 338 Total Penalty: 395.23785697067154  
GT_area: 1065  
ST_area: 14009668  
Overlap_area: 1065  
IOU: 7.601893206891127e-05
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Centre Distance: 431.5
Category: False Positive

Frame: 339 Total Penalty: 398.2377695472858
GT_area: 368
ST_area: 12628200
Overlap_area: 368
IOU: 2.914112858522988e-05
Centre Distance: 23.0
Category: False Positive

Frame: 340 Total Penalty: 401.2376821239
GT_area: 8
ST_area: 12239280
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 209.0
Category: False Positive

Frame: 341 Total Penalty: 404.23759470051425
GT_area: 6
ST_area: 11226825
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 74.5
Category: False Positive

Frame: 342 Total Penalty: 407.2375072771285
GT_area: 0
ST_area: 9849750
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 123.5
Category: False Positive

Frame: 343 Total Penalty: 410.2374198537427
GT_area: 3
ST_area: 8786232
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 36.5
Category: False Positive

Frame: 344 Total Penalty: 413.23733243035696
GT_area: 9
ST_area: 7857934
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 43.0
Category: False Positive

Frame: 345 Total Penalty: 414.23730328922835
GT_area: 8
ST_area: 7298775

Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 9.5
Category: True Positive

Frame: 346 Total Penalty: 417.2372158658426
GT_area: 12
ST_area: 6405600
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 125.0
Category: False Positive

Frame: 347 Total Penalty: 420.2371284424568
GT_area: 8
ST_area: 5644236
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 39.0
Category: False Positive

Frame: 348 Total Penalty: 423.23704101907106
GT_area: 6
ST_area: 4885776
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 39.0
Category: False Positive

Frame: 349 Total Penalty: 426.2369535956853
GT_area: 8
ST_area: 4238117
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 36.5
Category: False Positive

Frame: 350 Total Penalty: 429.23686617229953
GT_area: 8
ST_area: 3769473
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 37.5
Category: False Positive

Frame: 351 Total Penalty: 430.2368370311709
GT_area: 6
ST_area: 3253358
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 7.5
Category: True Positive

Frame: 352 Total Penalty: 433.23674960778516

GT_area: 8
ST_area: 2858520
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 23.0
Category: False Positive

Frame: 353 Total Penalty: 434.23672046665655
GT_area: 8
ST_area: 2469270
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 5.0
Category: True Positive

Frame: 354 Total Penalty: 437.2366330432708
GT_area: 8
ST_area: 2127166
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 59.0
Category: False Positive

Frame: 355 Total Penalty: 440.236545619885
GT_area: 8
ST_area: 1850940
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 60.5
Category: False Positive

Frame: 356 Total Penalty: 443.23645819649926
GT_area: 8
ST_area: 1593886
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 43.0
Category: False Positive

Frame: 357 Total Penalty: 446.2363707731135
GT_area: 12
ST_area: 1441068
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 83.5
Category: False Positive

Frame: 358 Total Penalty: 449.2362833497277
GT_area: 8
ST_area: 1300398
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 132.0
Category: False Positive

Frame: 359 Total Penalty: 452.23619592634196
GT_area: 8
ST_area: 1157922
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 102.0
Category: False Positive

Frame: 360 Total Penalty: 455.2361085029562
GT_area: 12
ST_area: 1006167
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 121.5
Category: False Positive

Frame: 361 Total Penalty: 458.23602107957043
GT_area: 6
ST_area: 873287
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 131.0
Category: False Positive

Frame: 362 Total Penalty: 461.23593365618467
GT_area: 9
ST_area: 766100
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 111.0
Category: False Positive

Frame: 363 Total Penalty: 464.2358462327989
GT_area: 6
ST_area: 673935
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 117.0
Category: False Positive

Frame: 364 Total Penalty: 467.23575880941314
GT_area: 0
ST_area: 611072
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 133.0
Category: False Positive

Frame: 365 Total Penalty: 470.2356713860274
GT_area: 9
ST_area: 535069
Overlap_area: 0
IOU: 2.914112858522988e-05

Centre Distance: 138.0
Category: False Positive

Frame: 366 Total Penalty: 473.2355839626416
GT_area: 8
ST_area: 477600
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 134.0
Category: False Positive

Frame: 367 Total Penalty: 476.23549653925585
GT_area: 9
ST_area: 410592
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 157.5
Category: False Positive

Frame: 368 Total Penalty: 479.2354091158701
GT_area: 4
ST_area: 360938
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 158.0
Category: False Positive

Frame: 369 Total Penalty: 482.2353216924843
GT_area: 6
ST_area: 313495
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 153.0
Category: False Positive

Frame: 370 Total Penalty: 485.23523426909856
GT_area: 8
ST_area: 262440
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 187.5
Category: False Positive

Frame: 371 Total Penalty: 488.2351468457128
GT_area: 8
ST_area: 229030
Overlap_area: 0
IOU: 2.914112858522988e-05
Centre Distance: 179.0
Category: False Positive

Frame: 372 Total Penalty: 489.21064297830947
GT_area: 5544
ST_area: 226250

Overlap_area: 5544
IOU: 0.02450386740331492
Centre Distance: 6.0
Category: True Positive

Frame: 373 Total Penalty: 491.9548702744911
GT_area: 15862
ST_area: 186048
Overlap_area: 15862
IOU: 0.08525756793945649
Centre Distance: 18.0
Category: False Positive

Frame: 374 Total Penalty: 494.65383788778024
GT_area: 15600
ST_area: 155465
Overlap_area: 15600
IOU: 0.10034412890361175
Centre Distance: 18.5
Category: False Positive

Frame: 375 Total Penalty: 495.47261394999146
GT_area: 20904
ST_area: 115349
Overlap_area: 20904
IOU: 0.18122393778879747
Centre Distance: 8.5
Category: True Positive

Frame: 376 Total Penalty: 496.22464953758083
GT_area: 22018
ST_area: 88795
Overlap_area: 22018
IOU: 0.2479644124106087
Centre Distance: 5.0
Category: True Positive

Frame: 377 Total Penalty: 496.91980197532786
GT_area: 21828
ST_area: 71603
Overlap_area: 21828
IOU: 0.3048475622529782
Centre Distance: 0.0
Category: True Positive

Frame: 378 Total Penalty: 497.5292788318811
GT_area: 23843
ST_area: 61054
Overlap_area: 23843
IOU: 0.3905231434467848
Centre Distance: 0.5
Category: True Positive

Frame: 379 Total Penalty: 498.06077953976217

GT_area: 23826
ST_area: 50856
Overlap_area: 23826
IOU: 0.468499292118924
Centre Distance: 1.5
Category: True Positive

Frame: 380 Total Penalty: 498.5350056561116
GT_area: 23643
ST_area: 44968
Overlap_area: 23643
IOU: 0.525773883650596
Centre Distance: 0.5
Category: True Positive

Frame: 381 Total Penalty: 498.94404984932845
GT_area: 24150
ST_area: 40866
Overlap_area: 24150
IOU: 0.590955806783145
Centre Distance: 2.0
Category: True Positive

Frame: 382 Total Penalty: 499.29519606989845
GT_area: 25134
ST_area: 38736
Overlap_area: 25134
IOU: 0.6488537794299876
Centre Distance: 4.0
Category: True Positive

Frame: 383 Total Penalty: 499.61383623123527
GT_area: 26015
ST_area: 38181
Overlap_area: 26015
IOU: 0.6813598386632095
Centre Distance: 3.0
Category: True Positive

Frame: 384 Total Penalty: 499.91059375003226
GT_area: 26937
ST_area: 38304
Overlap_area: 26937
IOU: 0.7032424812030075
Centre Distance: 1.5
Category: True Positive

Frame: 385 Total Penalty: 500.2181593702073
GT_area: 26908
ST_area: 38860
Overlap_area: 26908
IOU: 0.6924343798250129
Centre Distance: 0.5
Category: True Positive

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Frame: 386 Total Penalty: 500.55124168062224  
      GT_area: 26568  
      ST_area: 39837  
      Overlap_area: 26568  
      IOU: 0.6669176895850591  
      Centre Distance: 1.0  
      Category: True Positive
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Frame: 387 Total Penalty: 500.8769654840808  
      GT_area: 27528  
      ST_area: 40826  
      Overlap_area: 27528  
      IOU: 0.6742761965414197  
      Centre Distance: 1.5  
      Category: True Positive
```

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Total Penalty: 500.8769654840808  
True Positive: 222  
False Positive: 164  
True Negative: 0  
False Negative: 0  
Average Time: 0.31748132446269295  
>>>
```