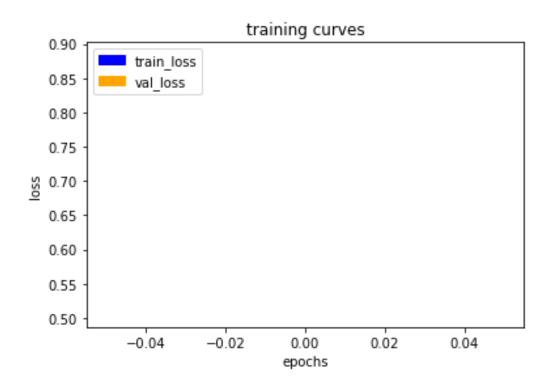
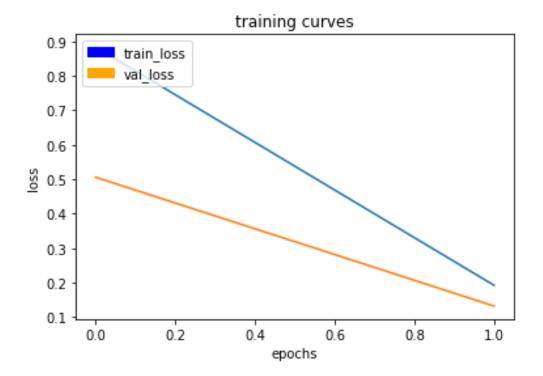
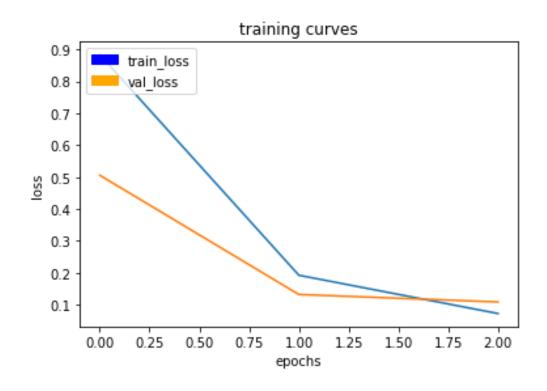
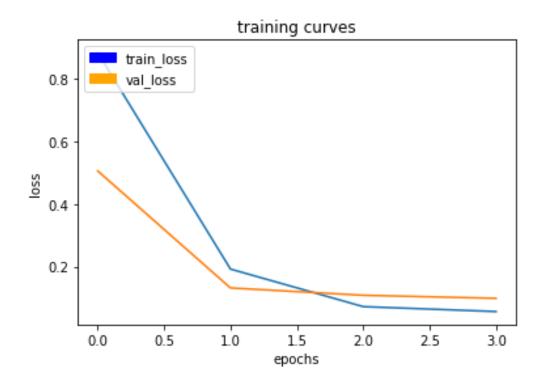
Run 3

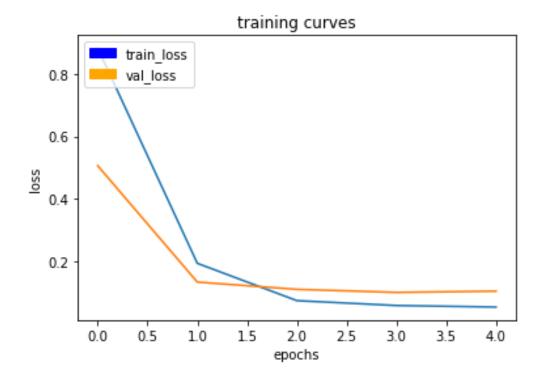
On AWS instance

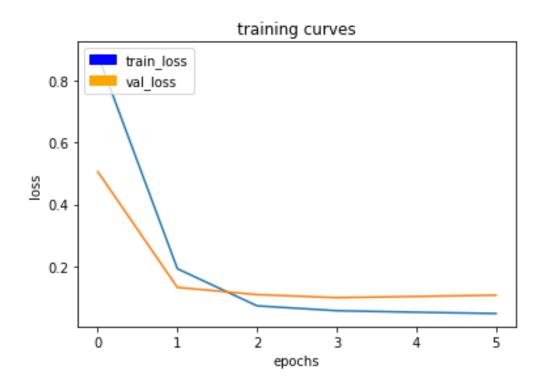


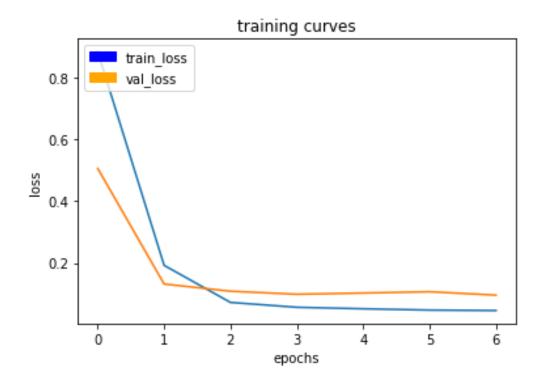


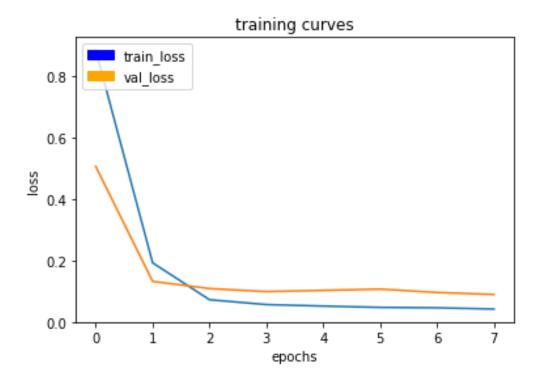


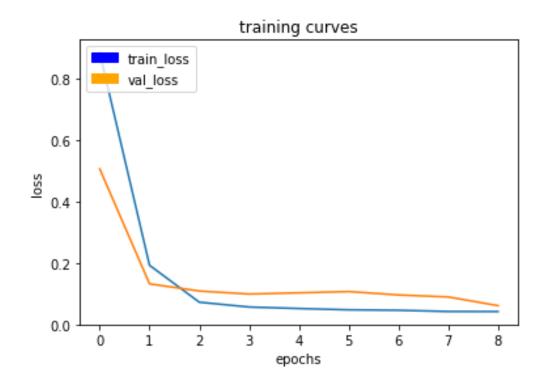


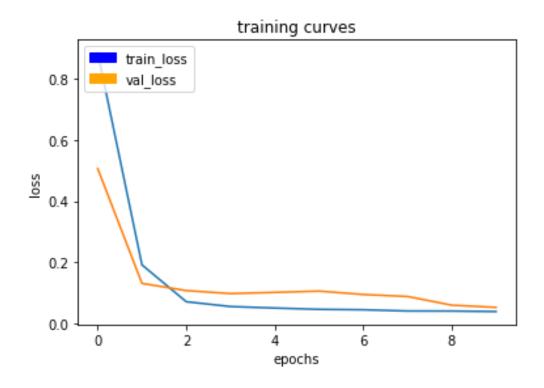


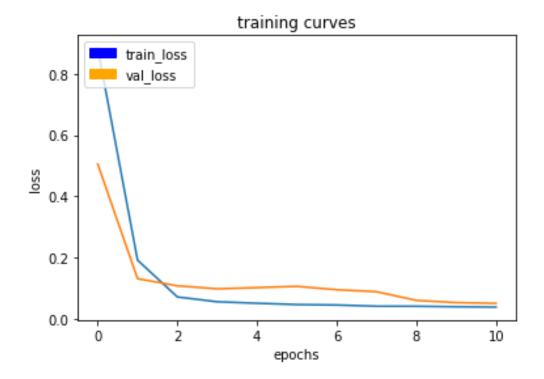


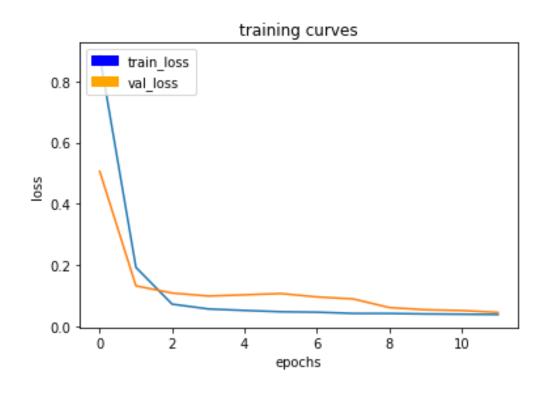


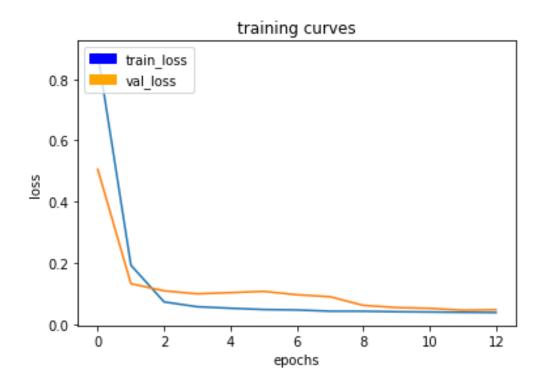


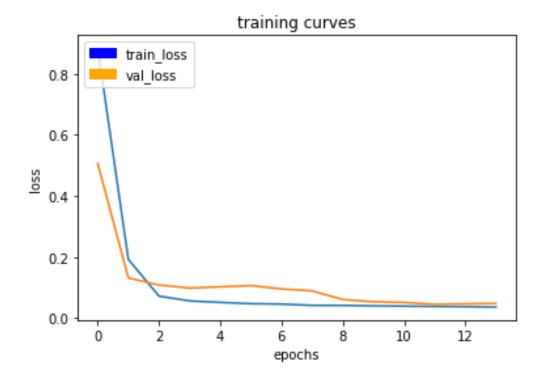


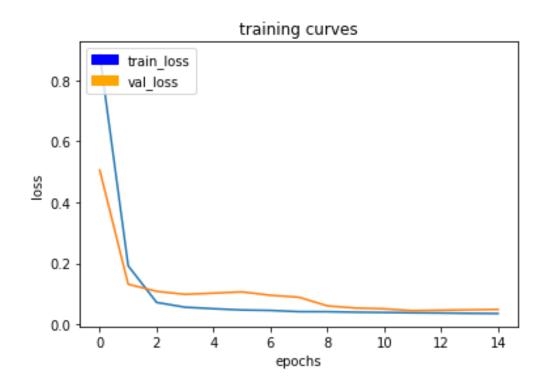


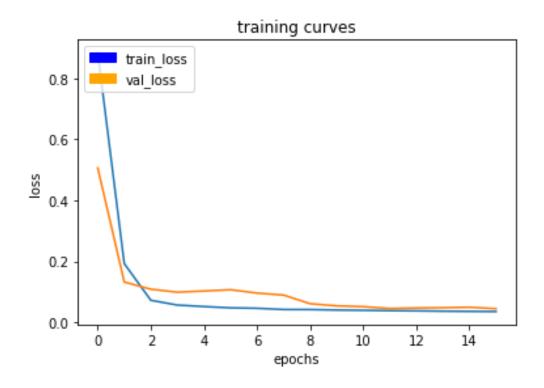


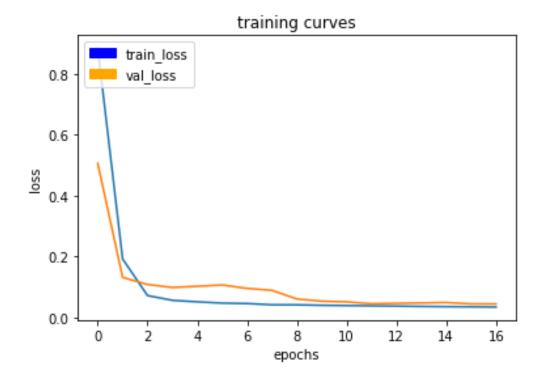


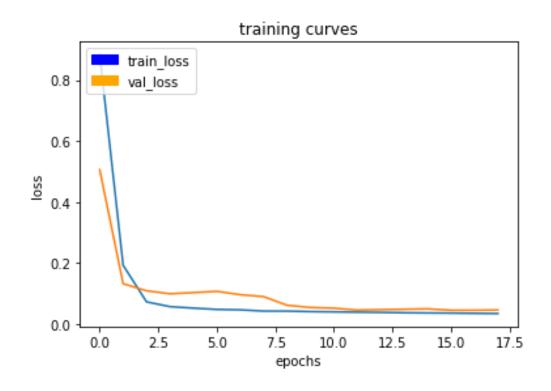


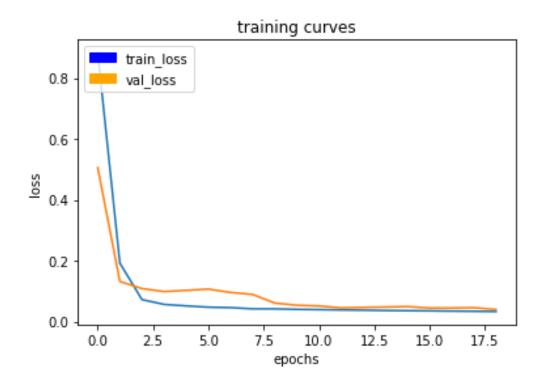


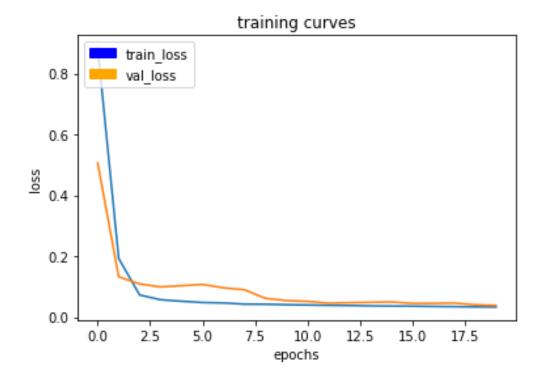


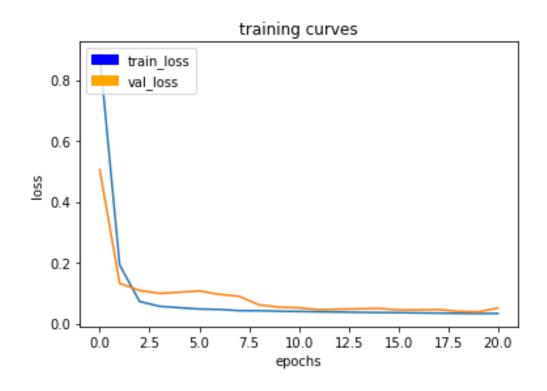


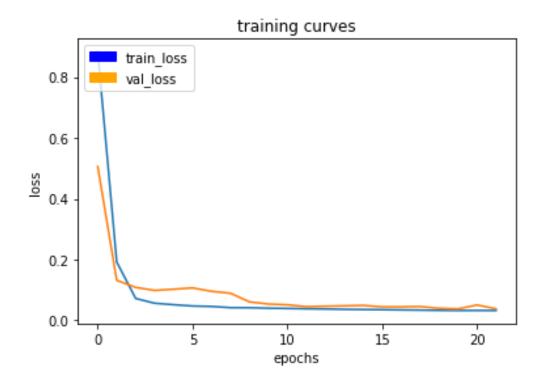


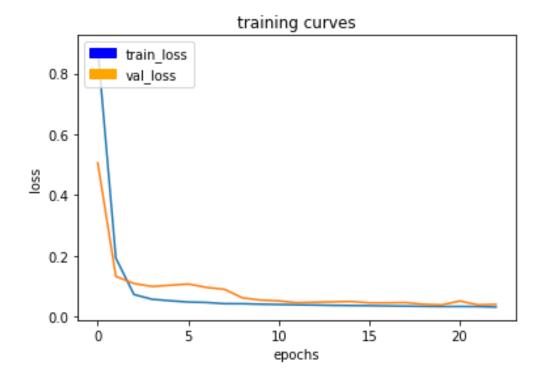


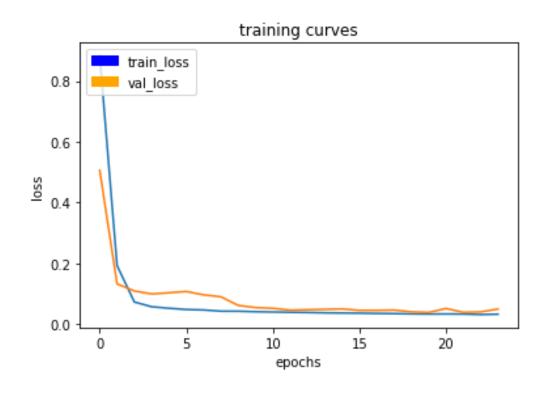


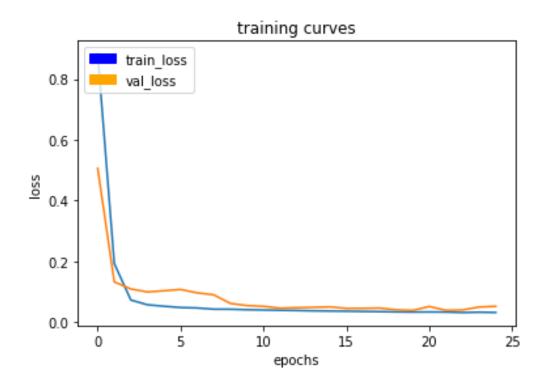


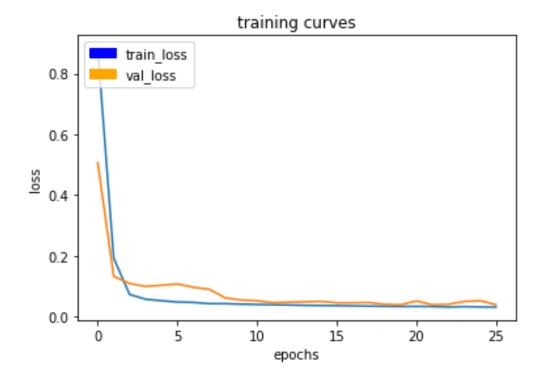


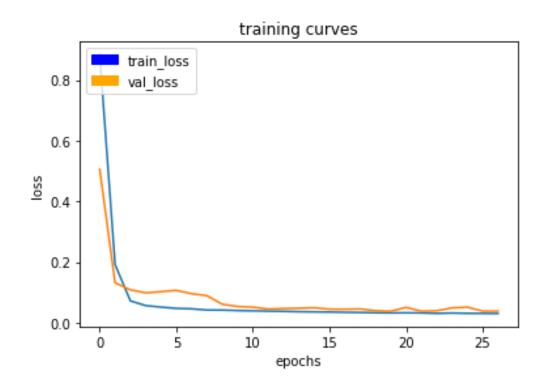


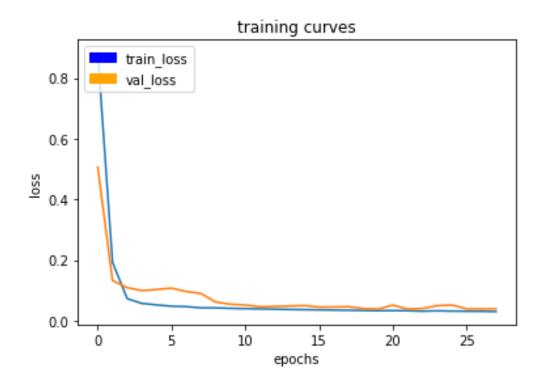


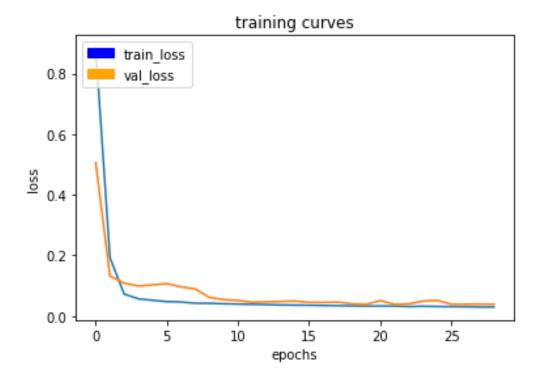


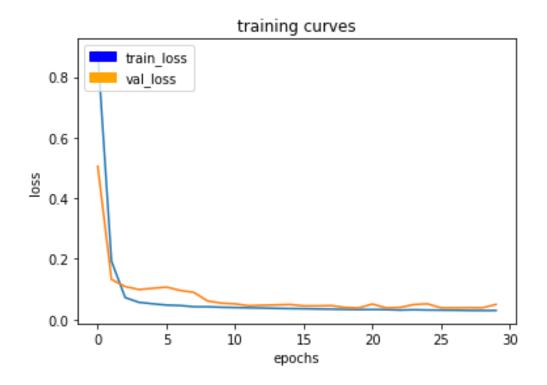


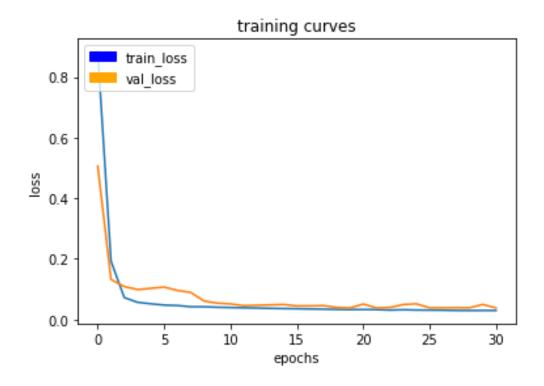


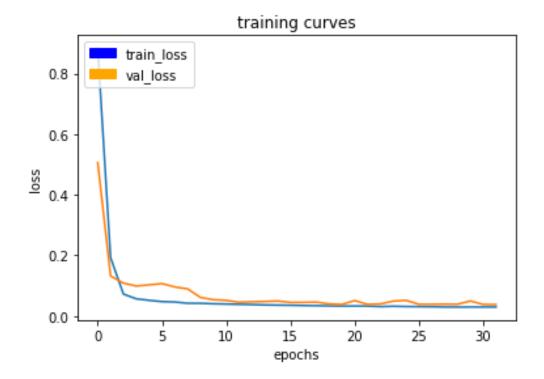


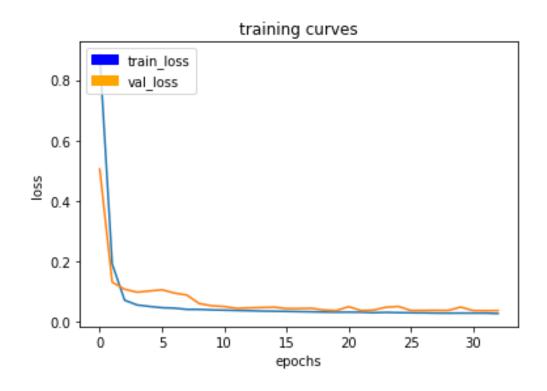


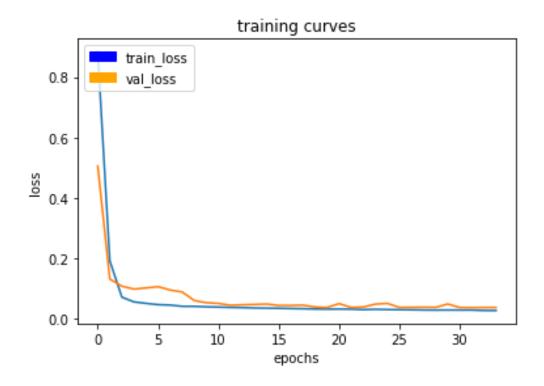


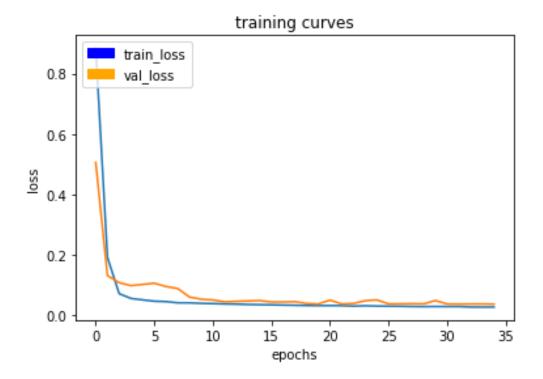


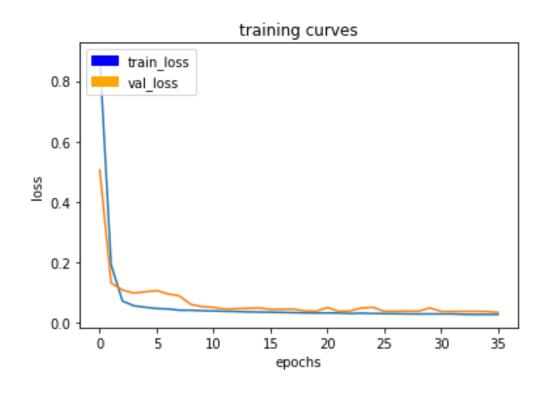


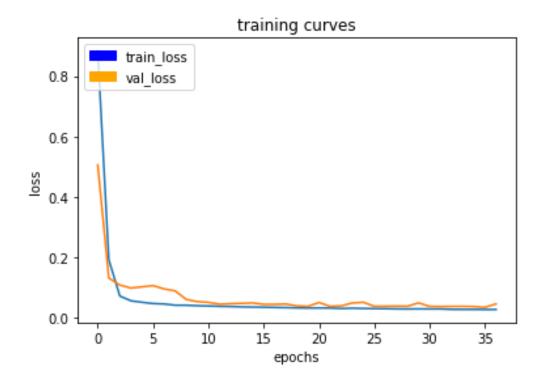


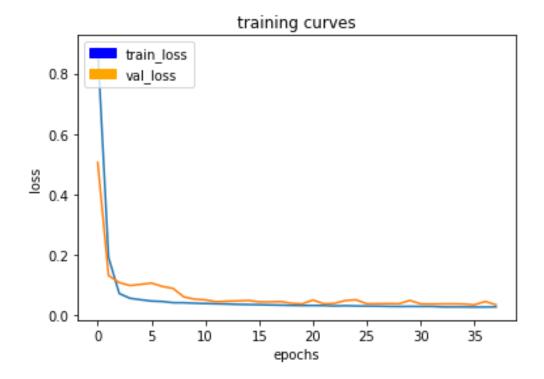


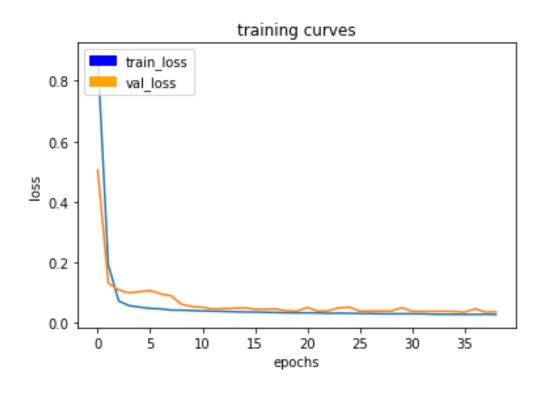


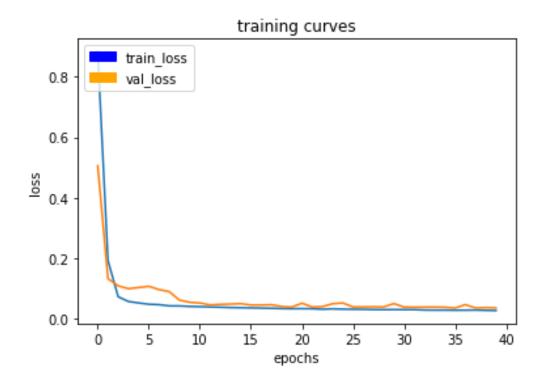


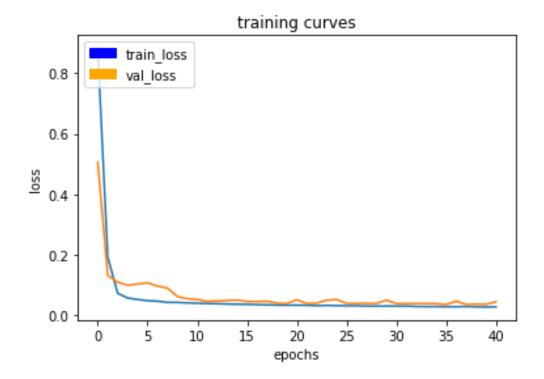


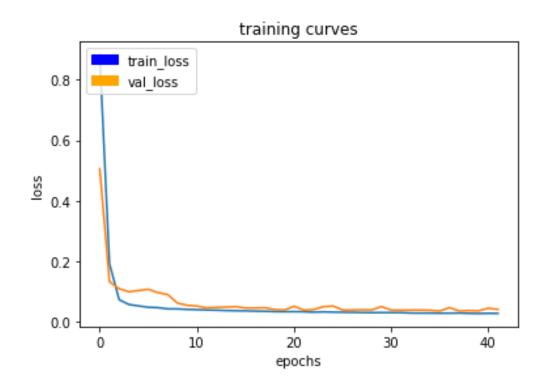


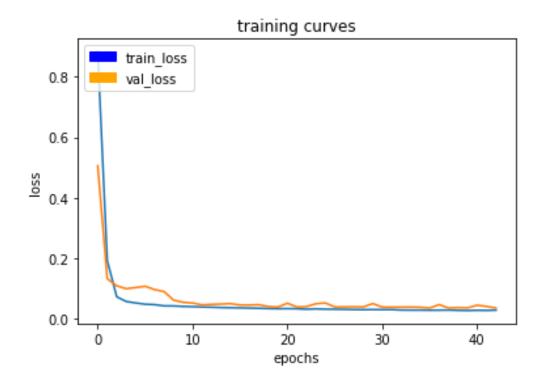


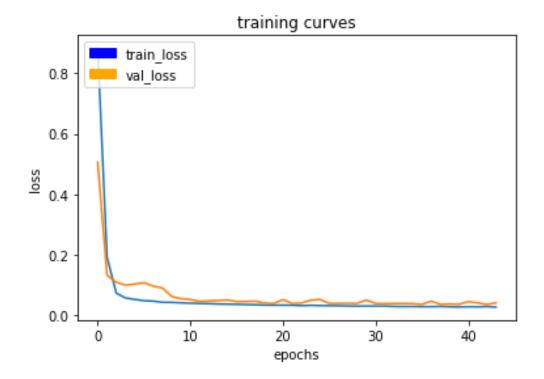


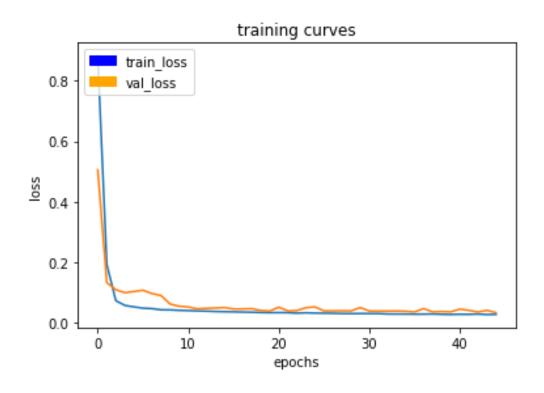


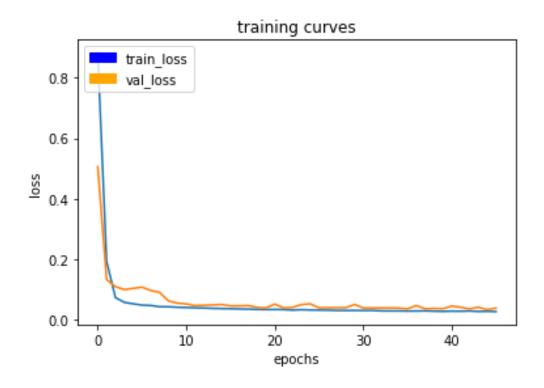


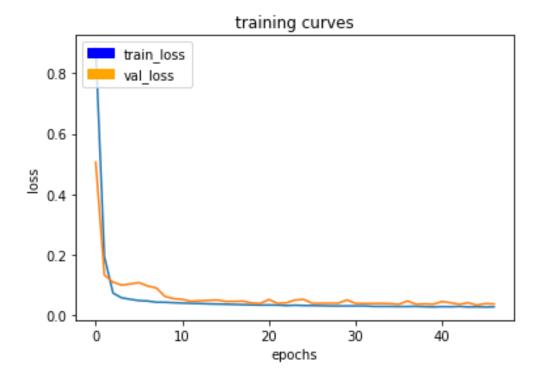


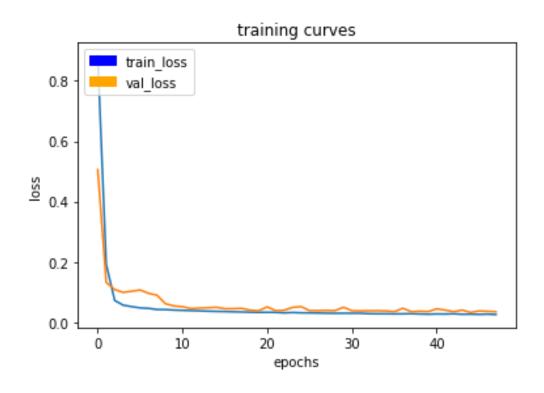


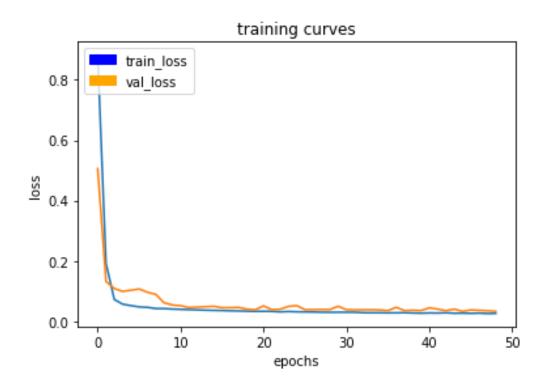


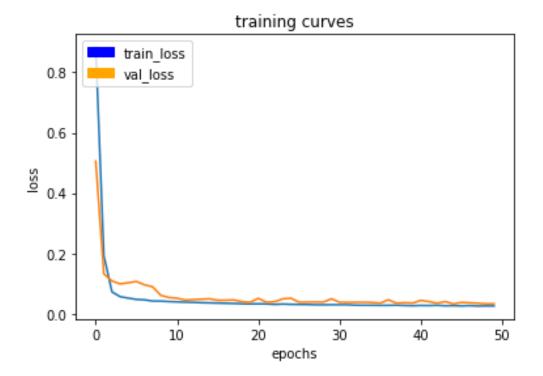








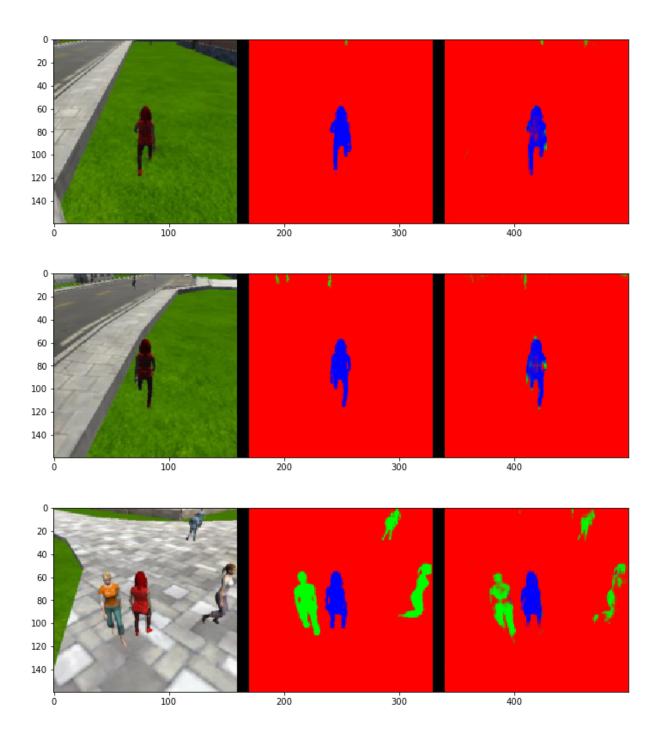




Scores for while the quad is following behind the target:

number of validation samples intersection over the union evaulated on 542 average intersection over union for background is 0.9934951791991926 average intersection over union for other people is 0.30460518710312634 average intersection over union for the hero is 0.8458781287335181 number true positives: 539, number false positives: 0, number false negatives: 0

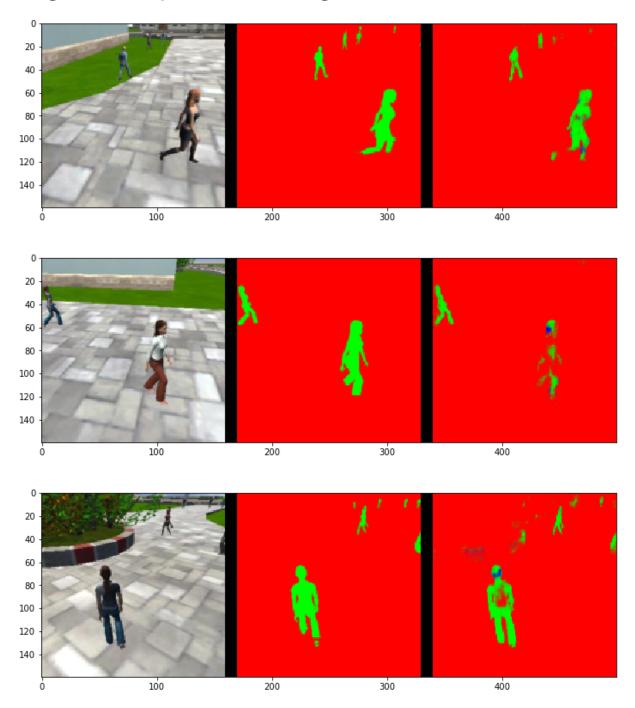
Images while following the target:



Scores for images while the quad is on patrol and the target is not visible:

number of validation samples intersection over the union evaluated on 270 average intersection over union for background is 0.9801343174318125 average intersection over union for other people is 0.5856224157018557 average intersection over union for the hero is 0.0 number true positives: 0, number false positives: 119, number false negatives:

Images while at patrol without target

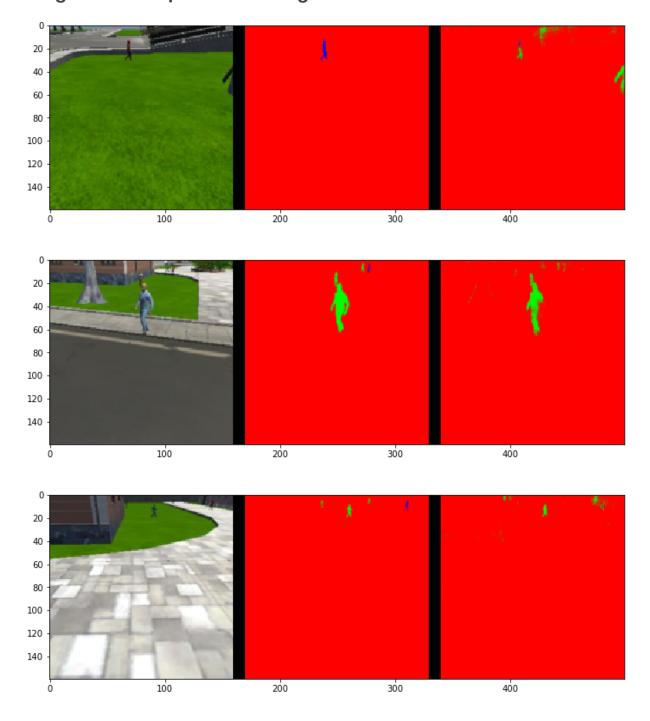


This score measures how well the neural network can detect the target from far away:

number of validation samples intersection over the union evaulated on 322 average intersection over union for background is 0.9950563153399987

average intersection over union for other people is 0.38901676752445946 average intersection over union for the hero is 0.22611079781544058 number true positives: 154, number false positives: 2, number false negatives: 147

Images while at patrol with target



Sum all the true positives, etc from the three datasets to get a weight for the score:

0.7211238293444329

Final IoU:

0.535994463274

Final score:

0.386518379864