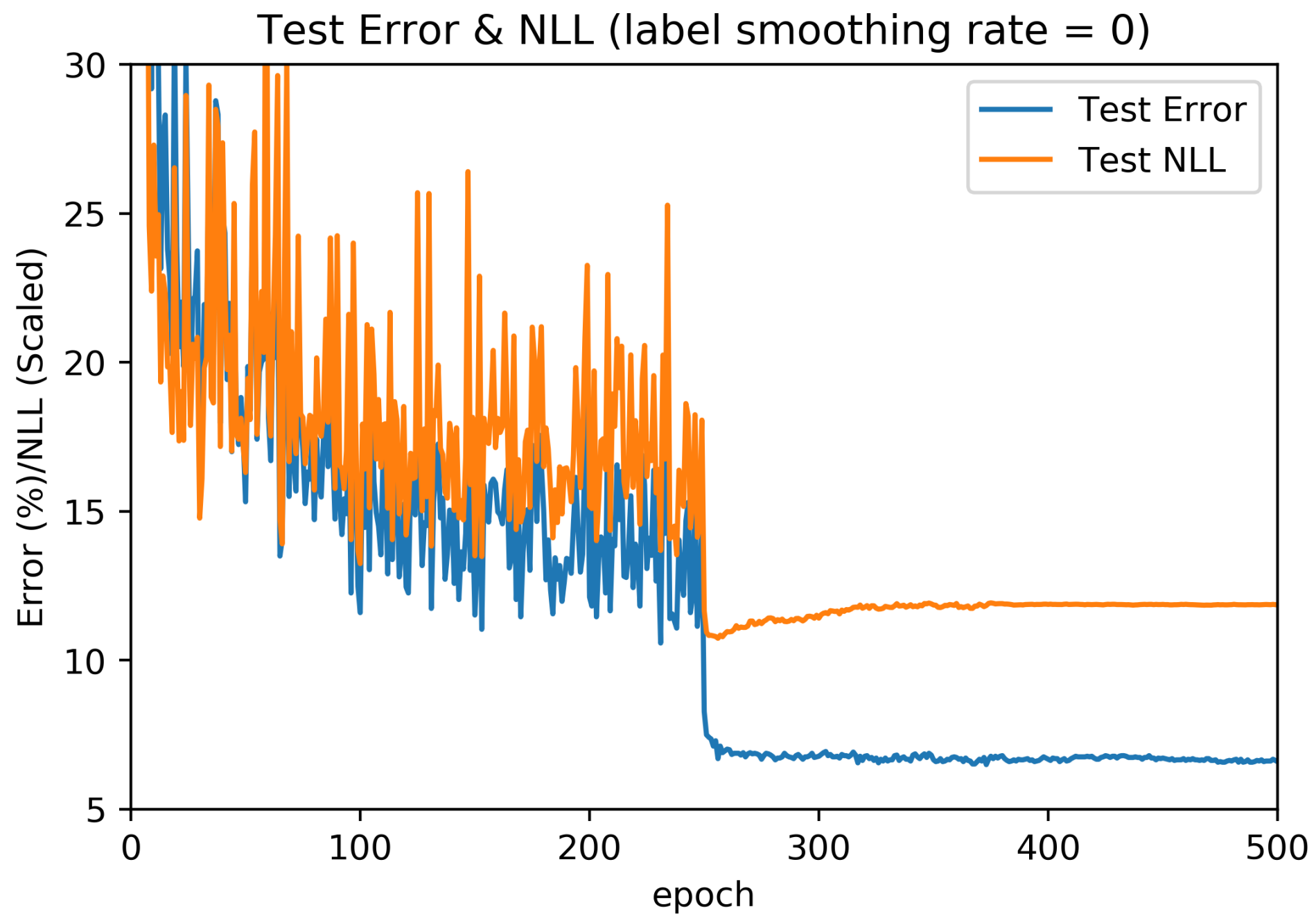
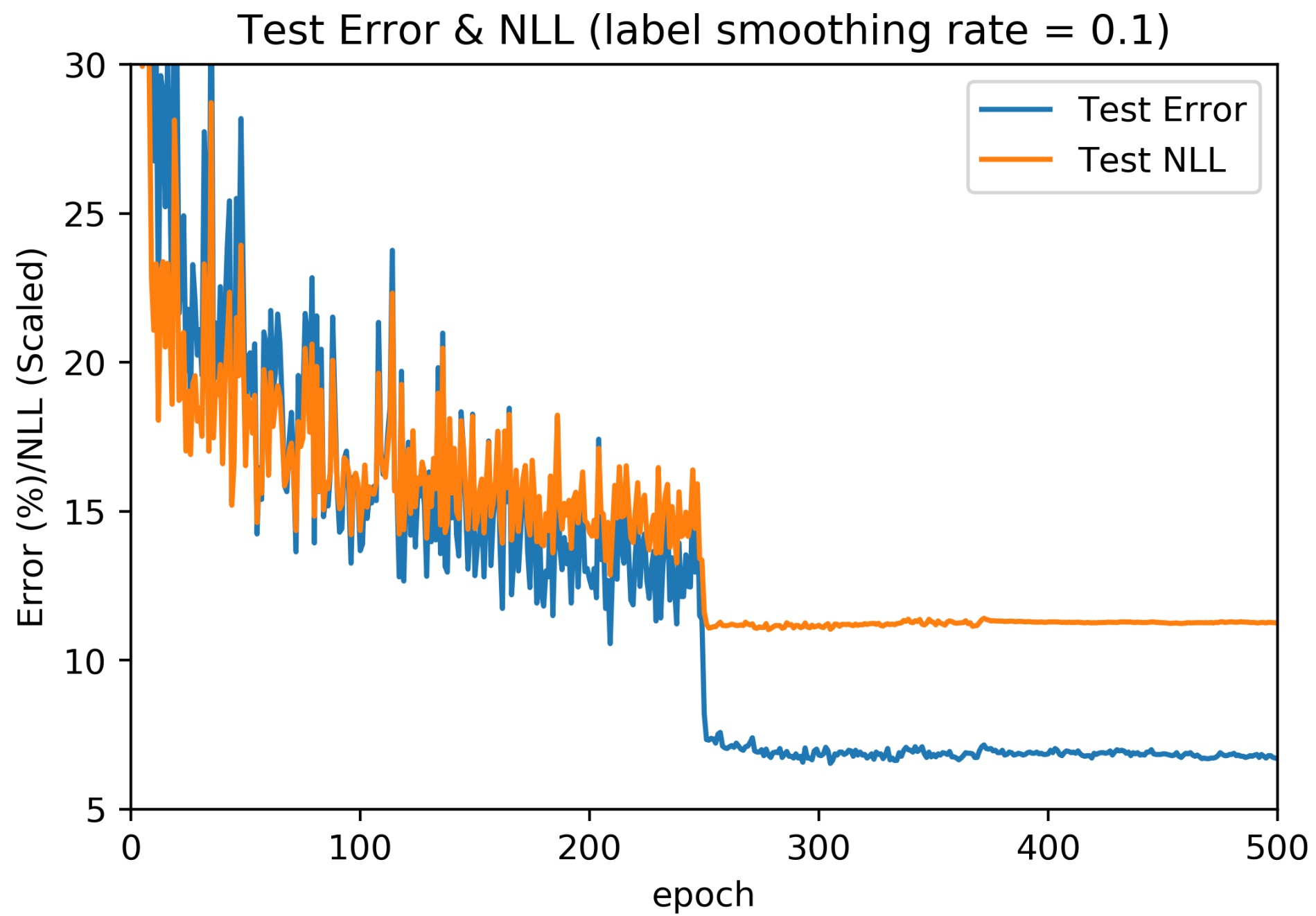
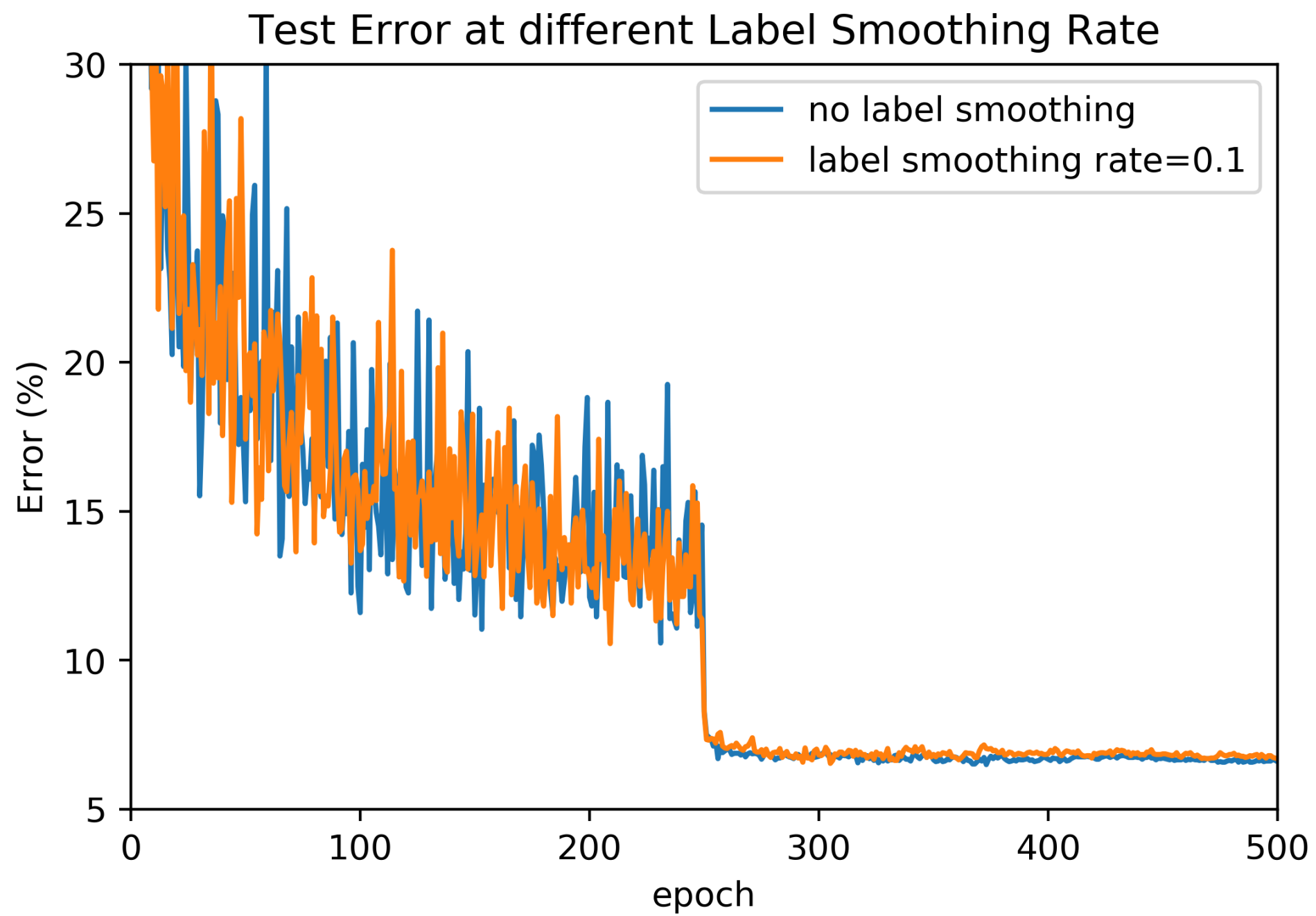


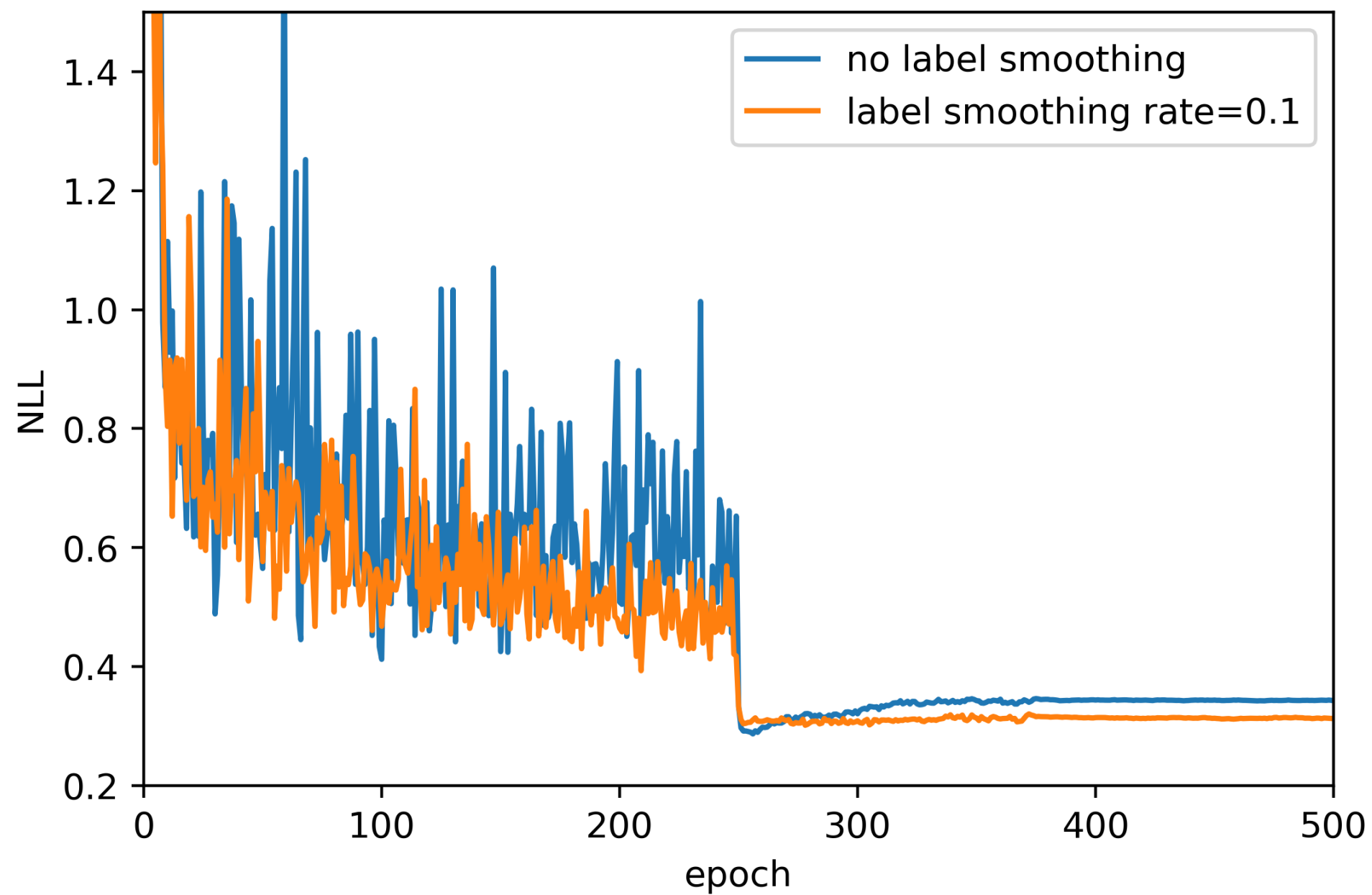
- **Question:** Can training a model for too long cause it to be less calibrated? Does label smoothing help with calibration?
- **Method:** trained ResNet-50 on CIFAR-10 for 500 epochs
- **Calibration:** methods such as temperature scaling, histogram binning and isotonic regression are applied to calibrate each checkpoint

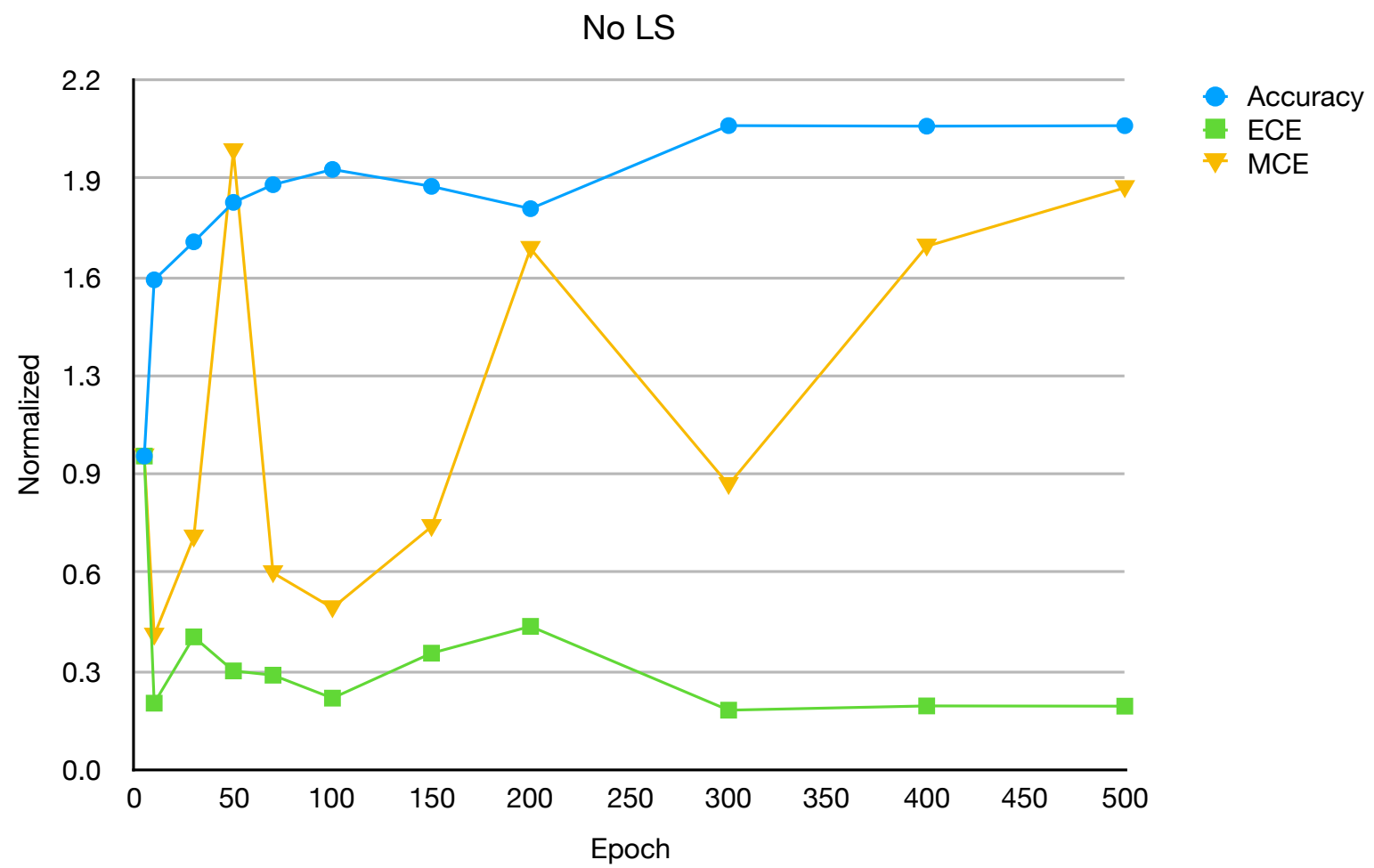


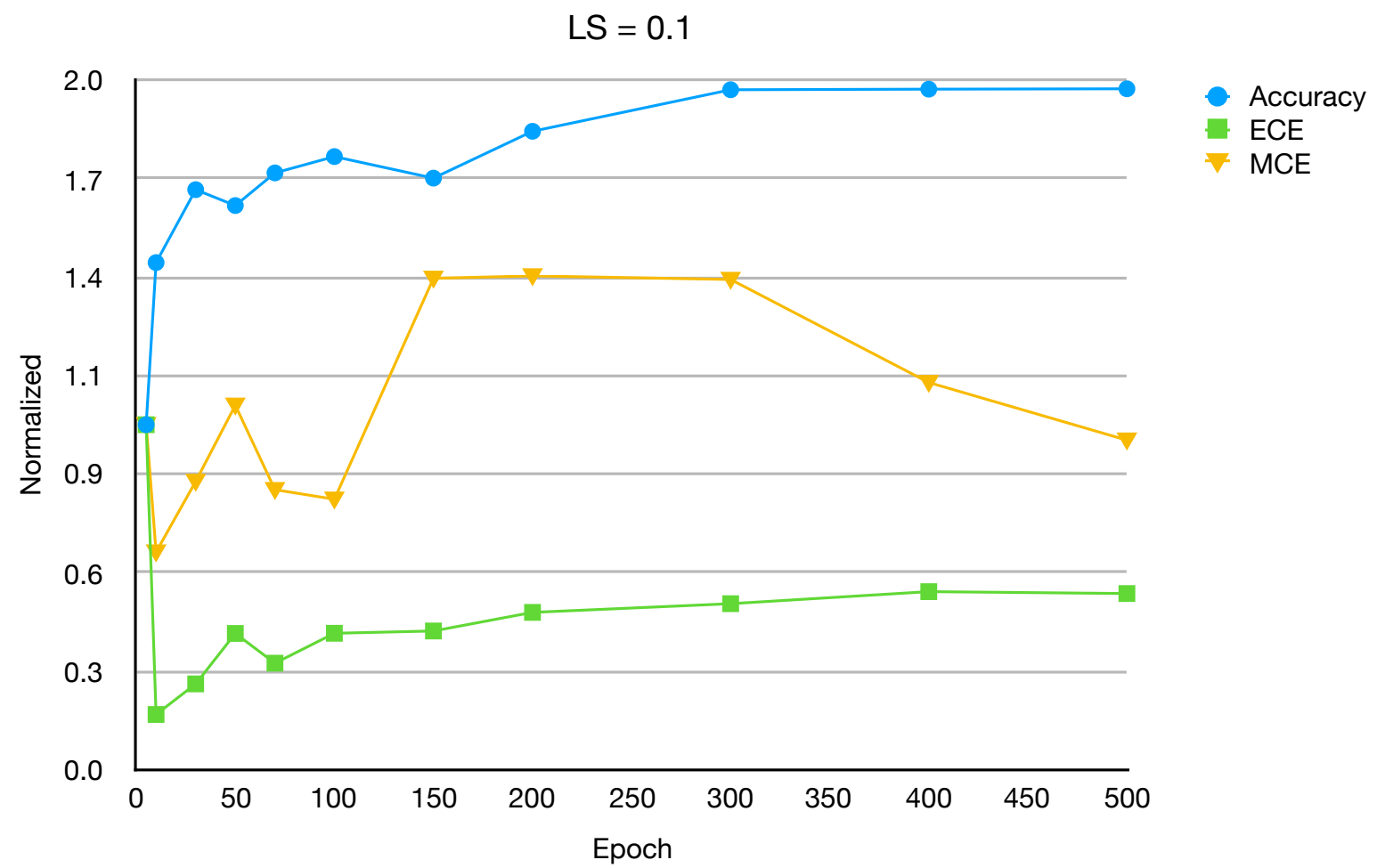


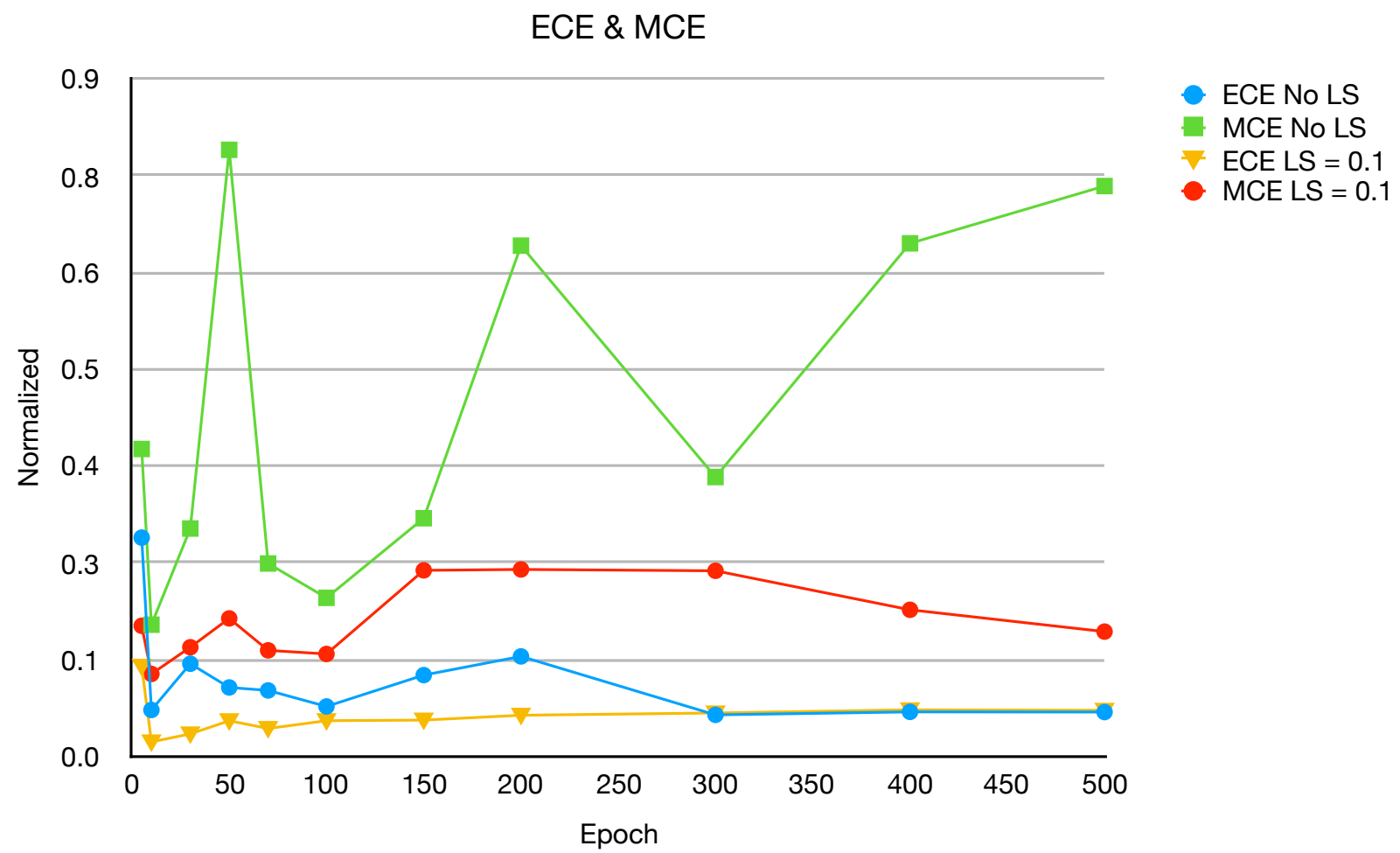


Test NLL at different Label Smoothing Rate



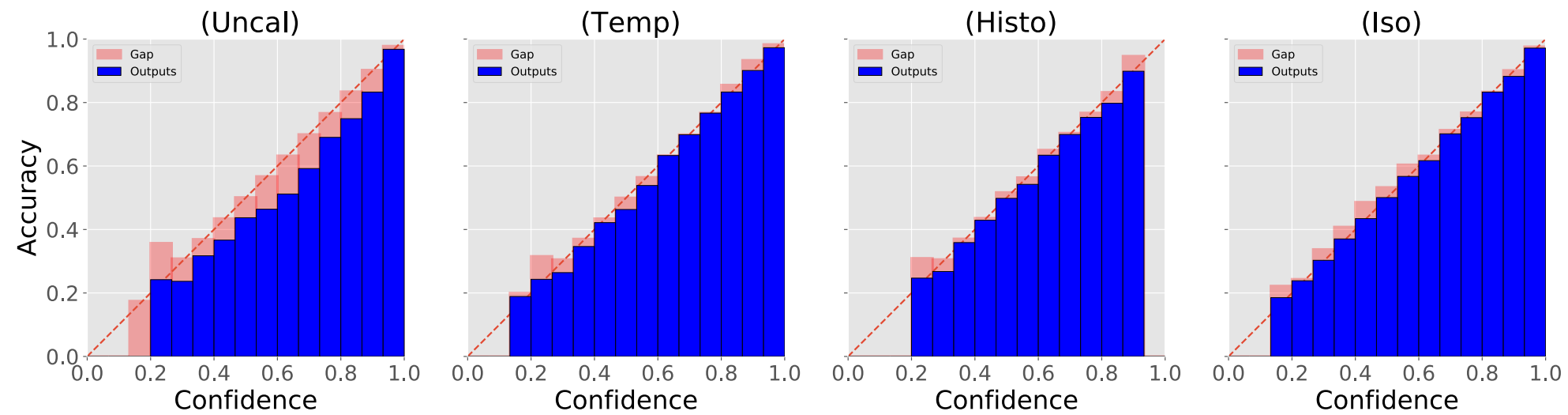




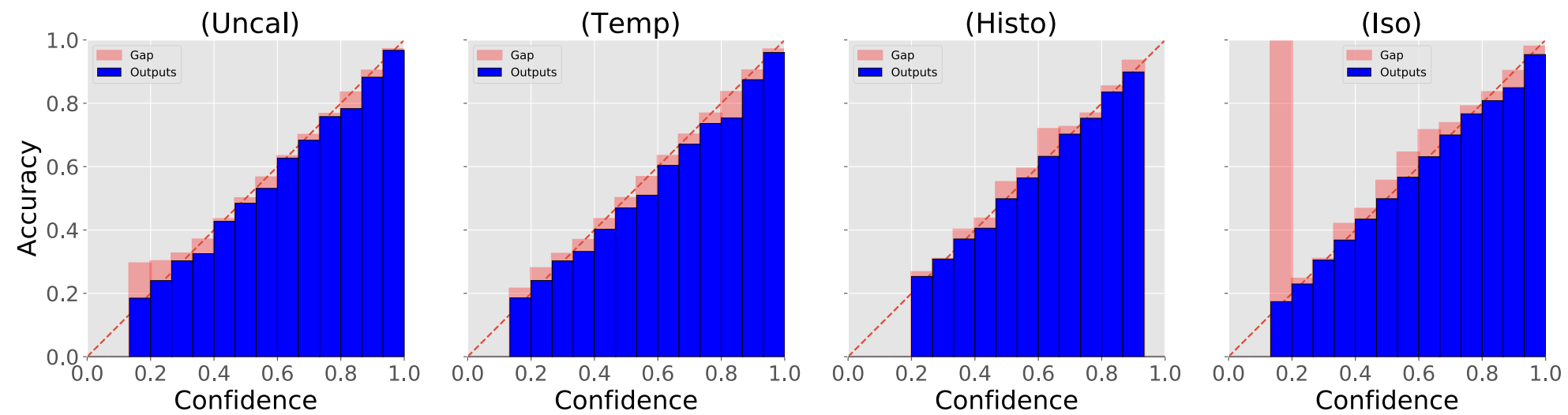


Epoch 10

No LS

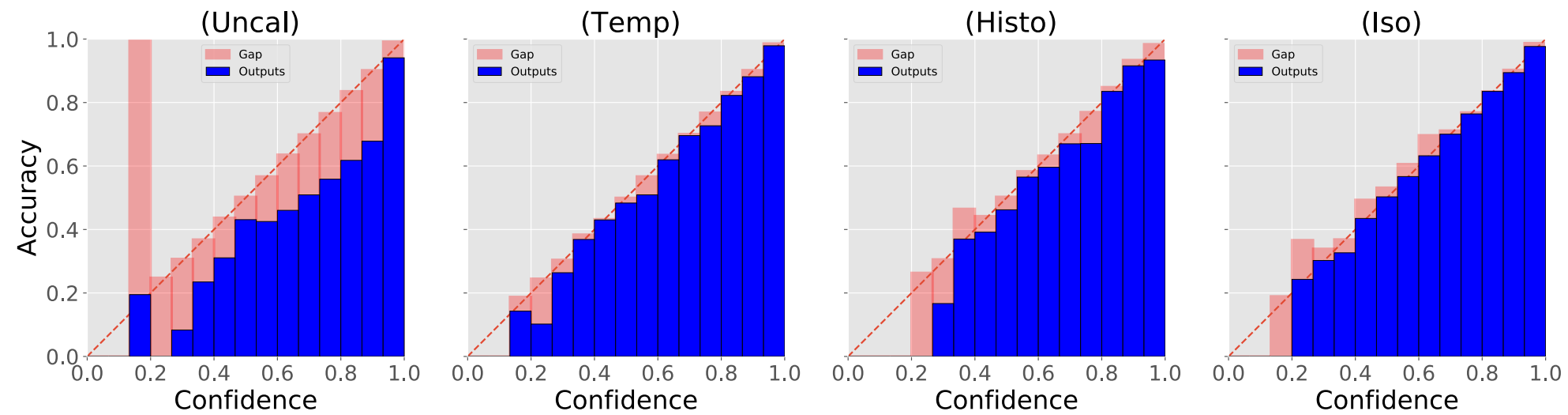


LS = 0.1

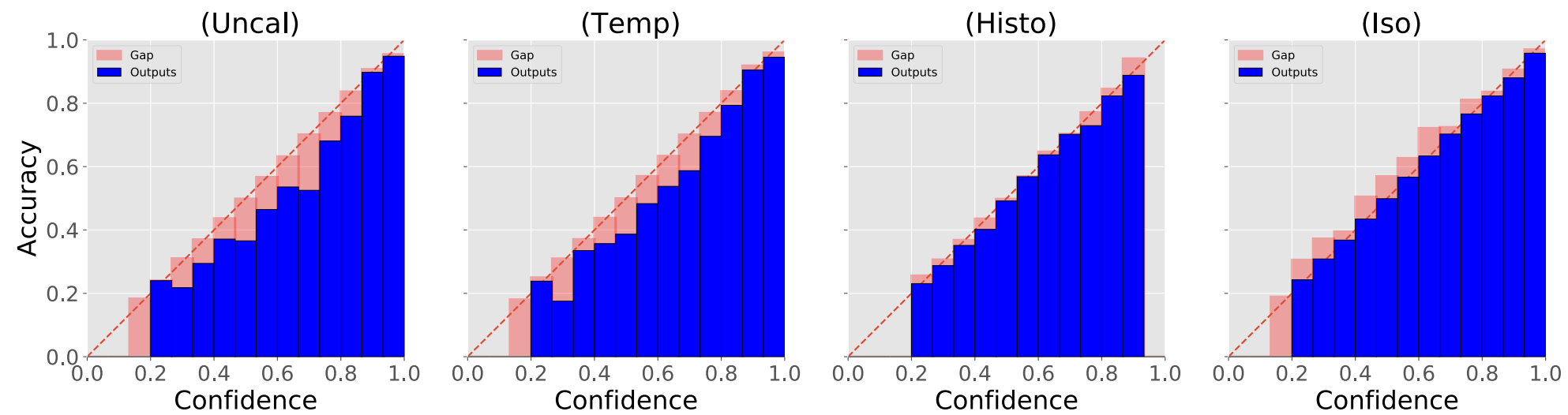


Epoch 50

No LS

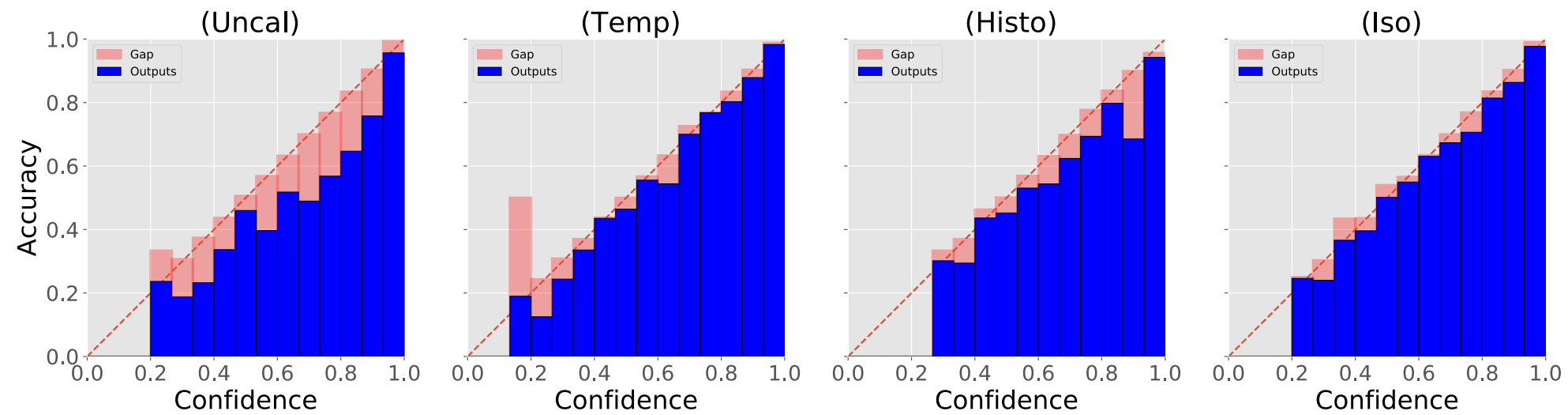


LS = 0.1

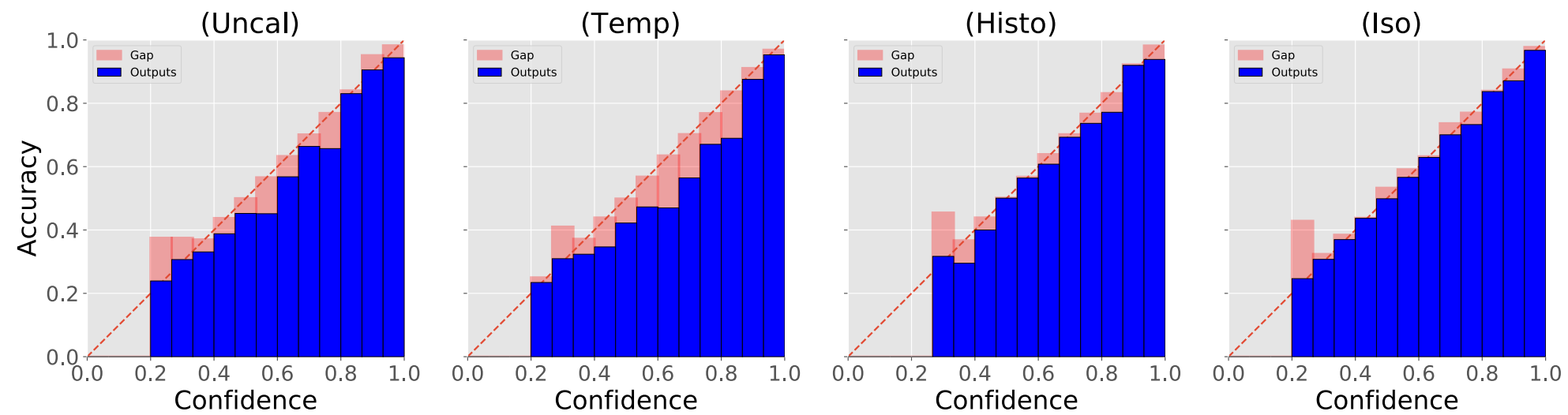


Epoch 100

No LS

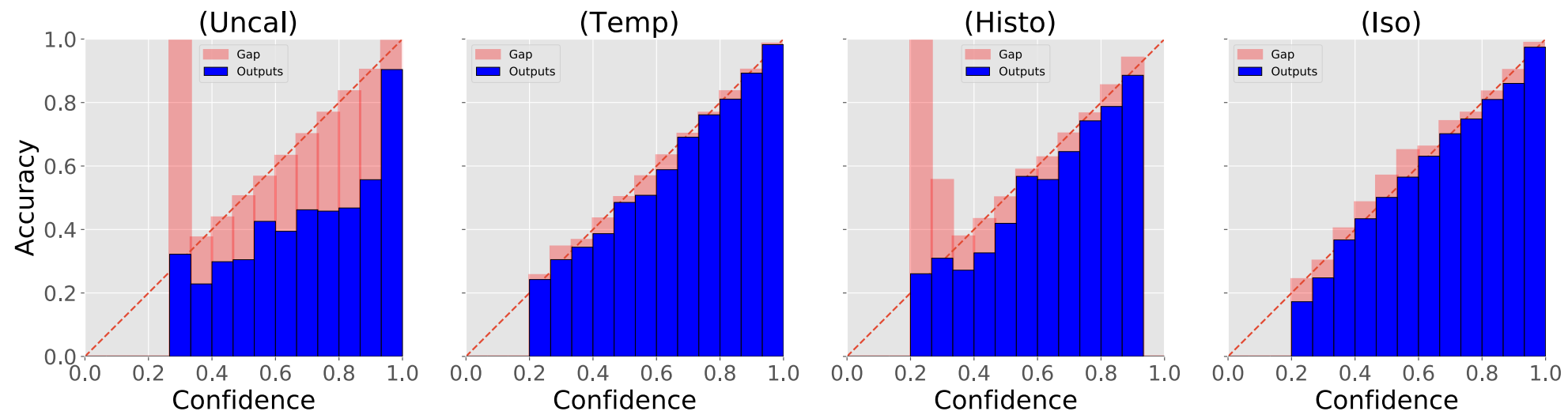


LS = 0.1

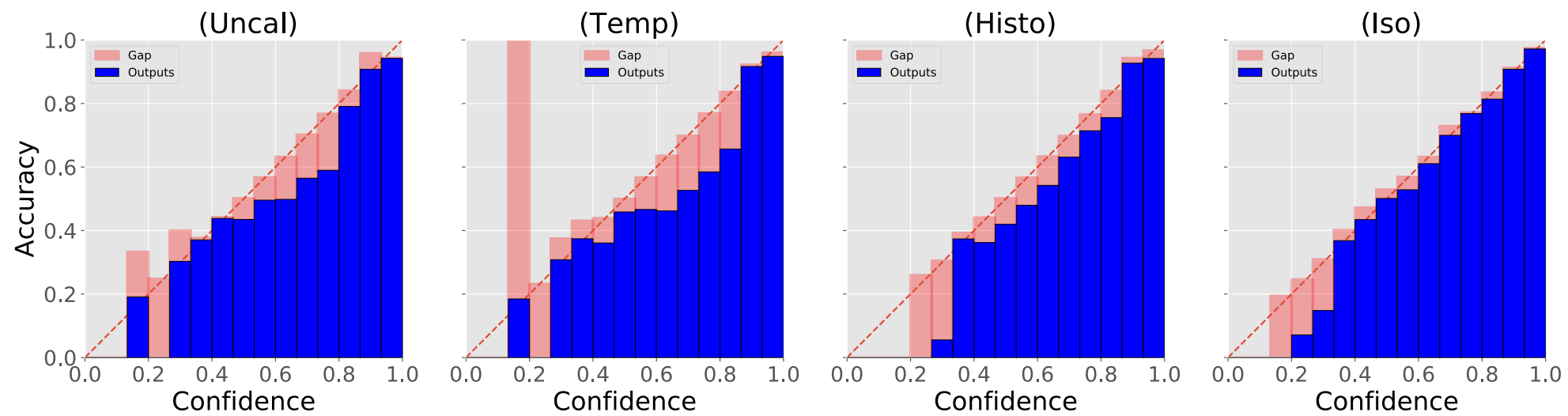


Epoch 200

No LS

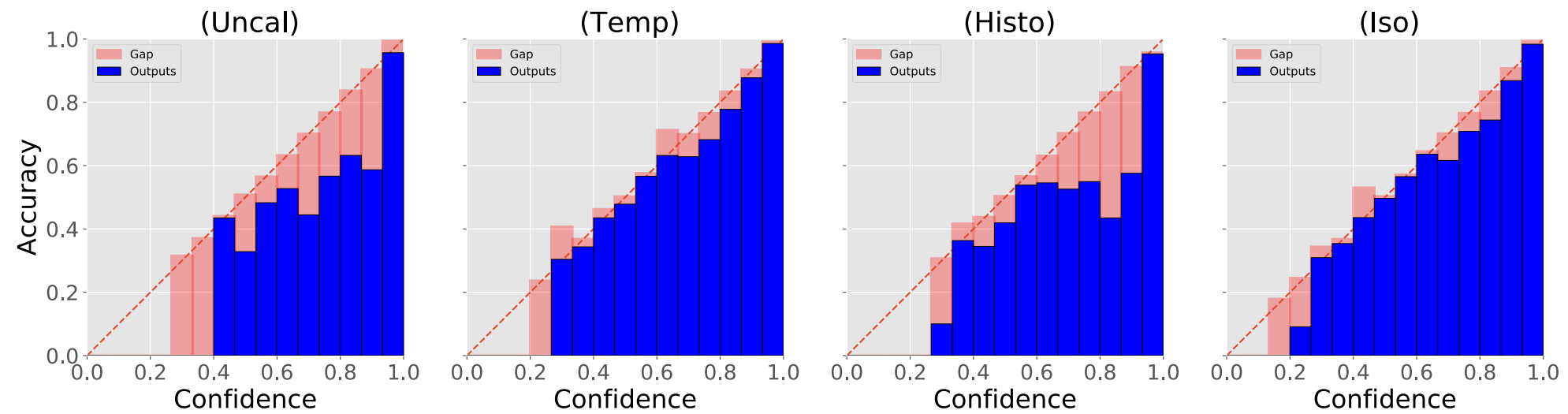


LS = 0.1

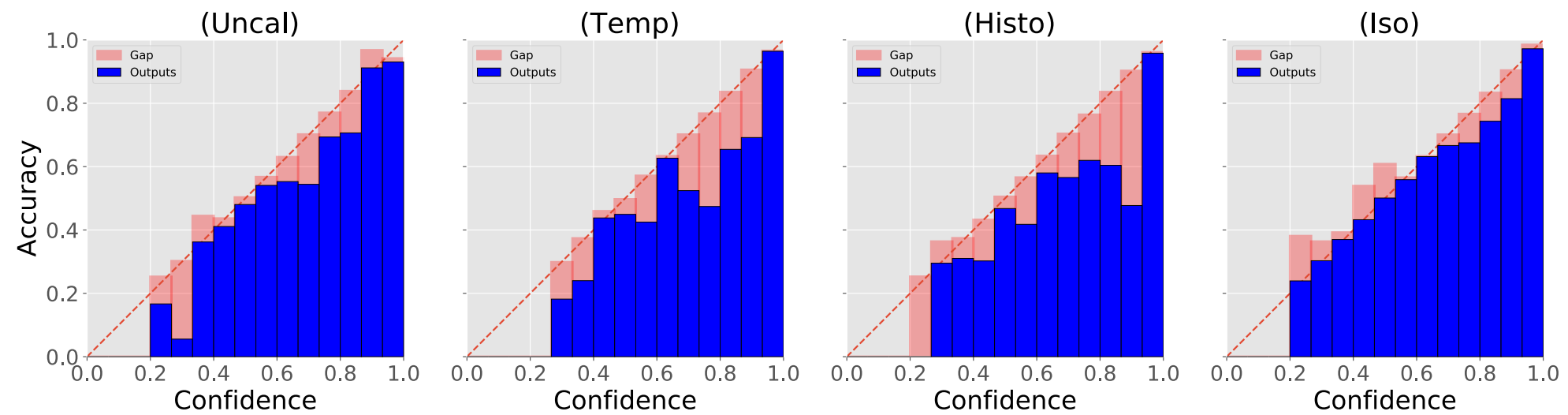


Epoch 300

No LS

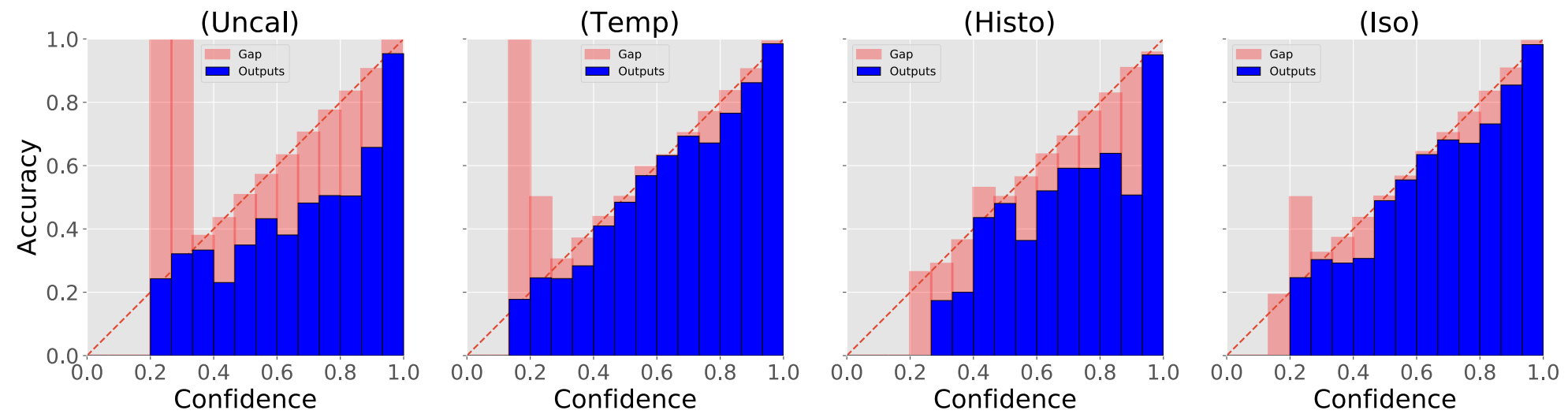


LS = 0.1



Epoch 500

No LS



LS = 0.1

