

# Training Report

Model path: ../models/pytorch\diff\_1

FOV size (nm): 4280

Pixel size (nm): 107

ADC/photon: 1

Read-out noise (ADC): 20

Constant offset (ADC): 50

Emitter density (emitters/ $\mu\text{m}^2$ ): 1.5

STD of emitter density (emitters/ $\mu\text{m}^2$ ): 0.5

Number of frames: 100

Wavelength (nm): 715

NA: 1.49

Sigma (nm): 124.76510067114094

STD of Sigma (nm): 20

Number of photons: 900

STD of number of photons: 100

SNR: 4.592303945100605

STD of SNR: 1.317959373869643

patch size: 30

upsampling factor: 8

num\_patches\_per\_frame: 10

min\_number\_of\_emitters\_per\_patch: 0

max\_num\_patches: 10000

gaussian\_sigma: 1

L2 weighting factor: 100

Loss Curve

