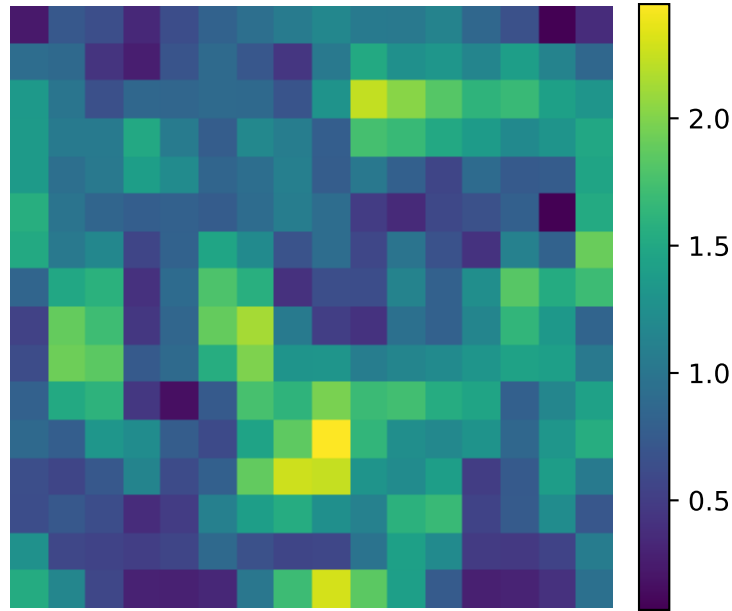
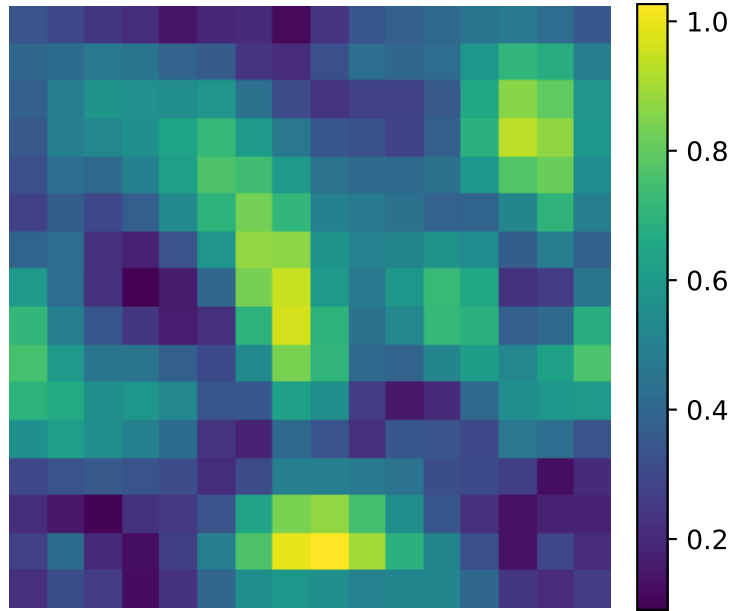
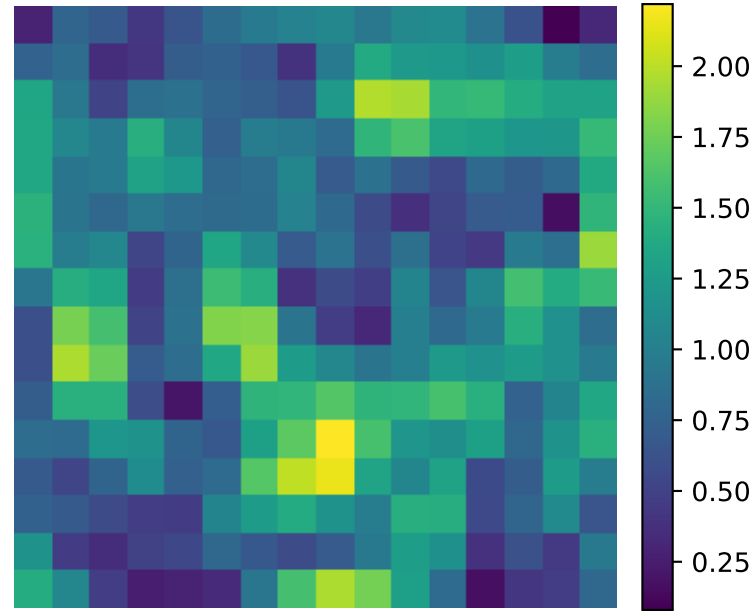
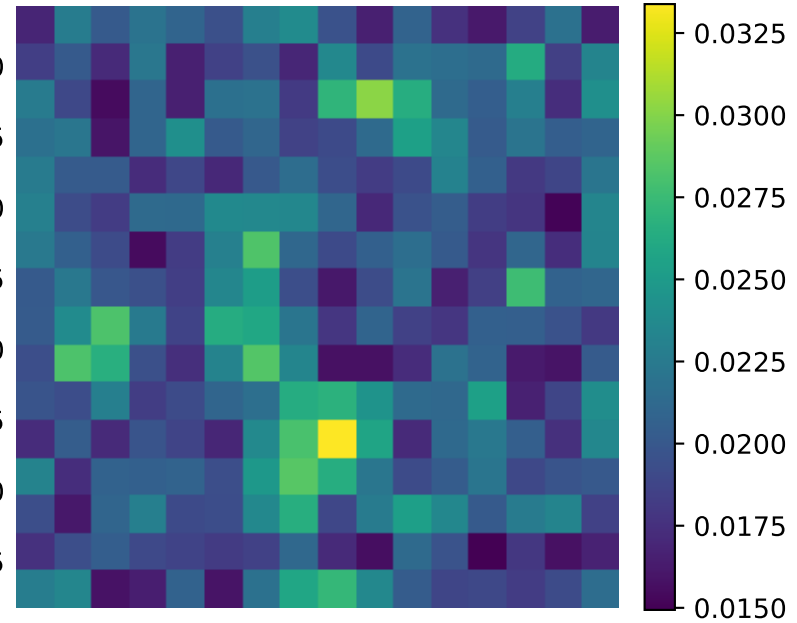
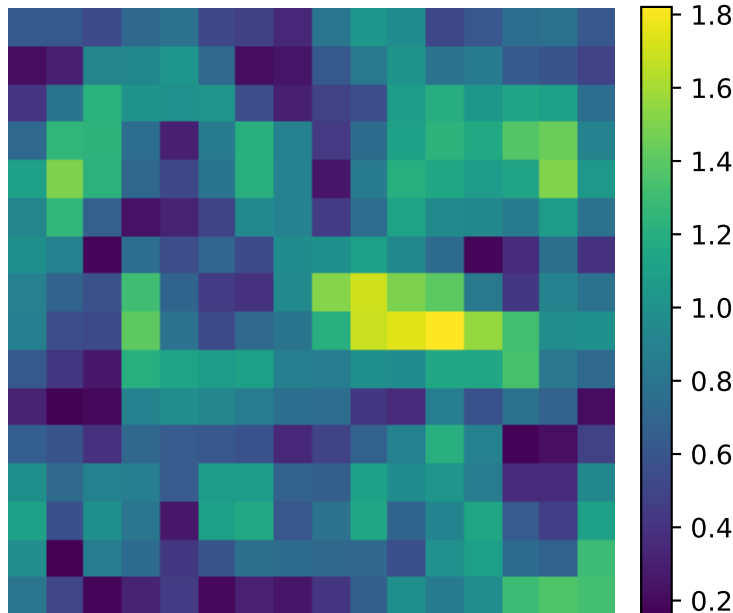


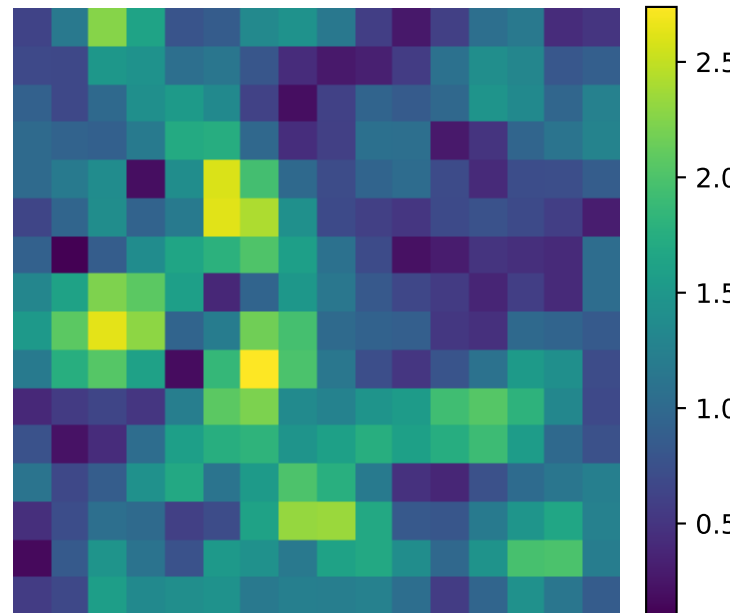
True  $|J|$ Noisy  $|B|$ Recon Mean  $|J|$ Recon Std  $|J|$ 

# True $||J||$ - Axial Slices

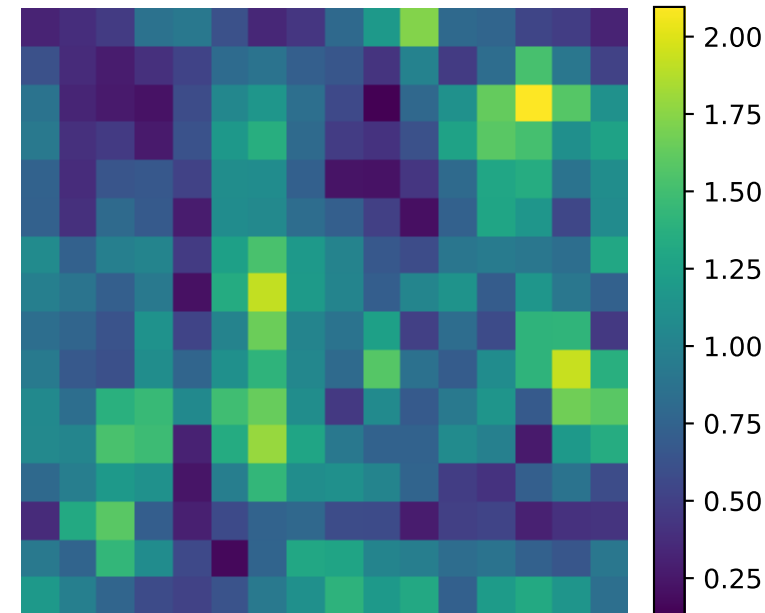
Slice 0



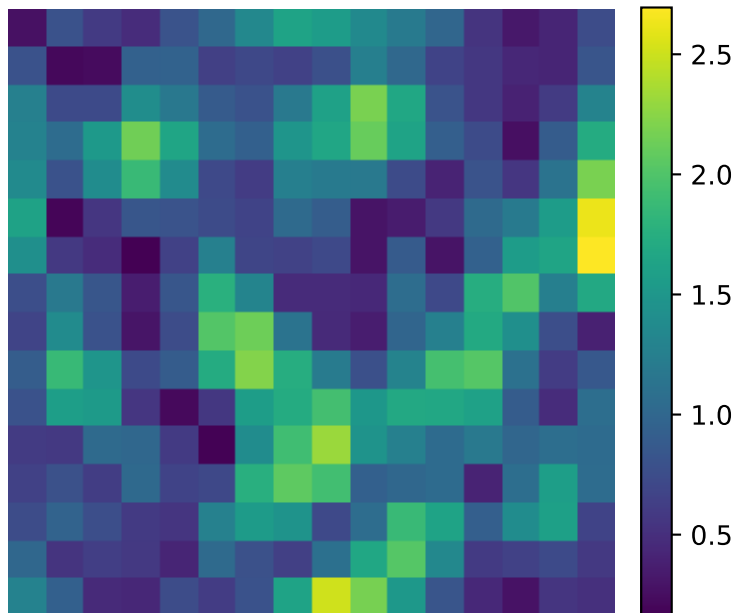
Slice 3



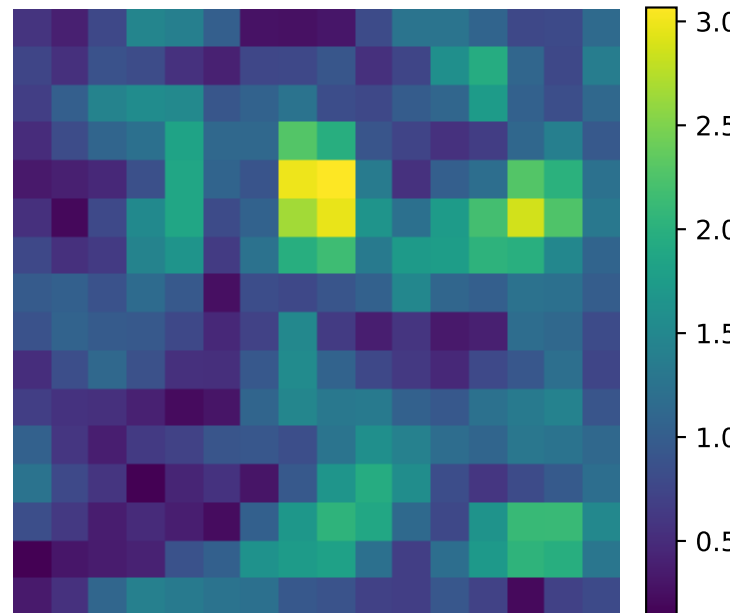
Slice 6



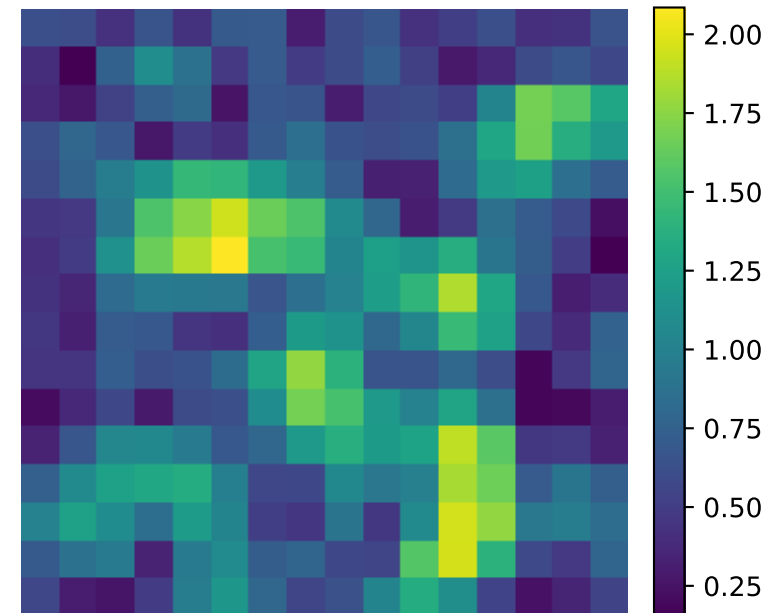
Slice 9



Slice 12

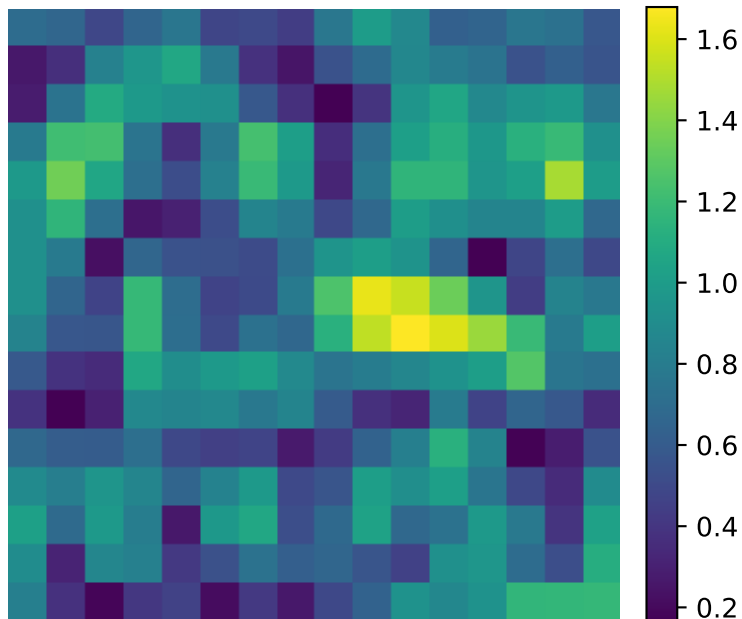


Slice 15

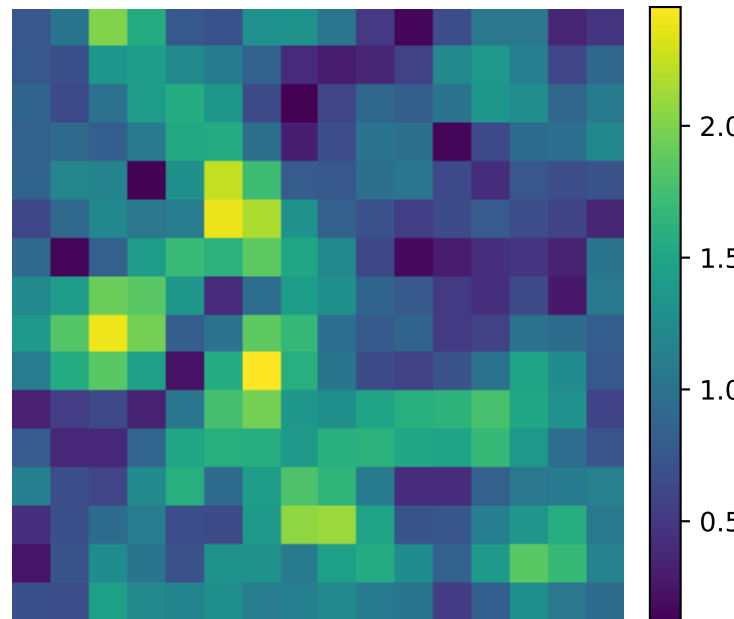


# Reconstructed Mean $||J||$ - Axial Slices

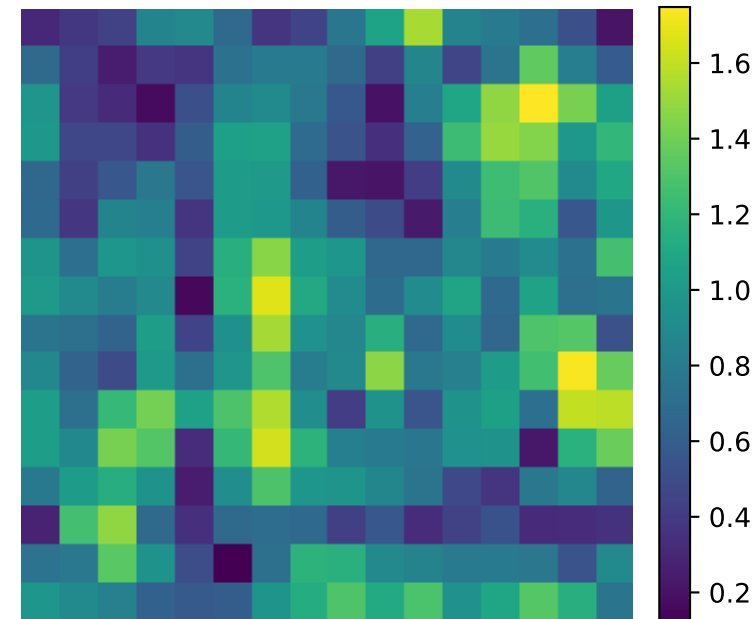
Slice 0



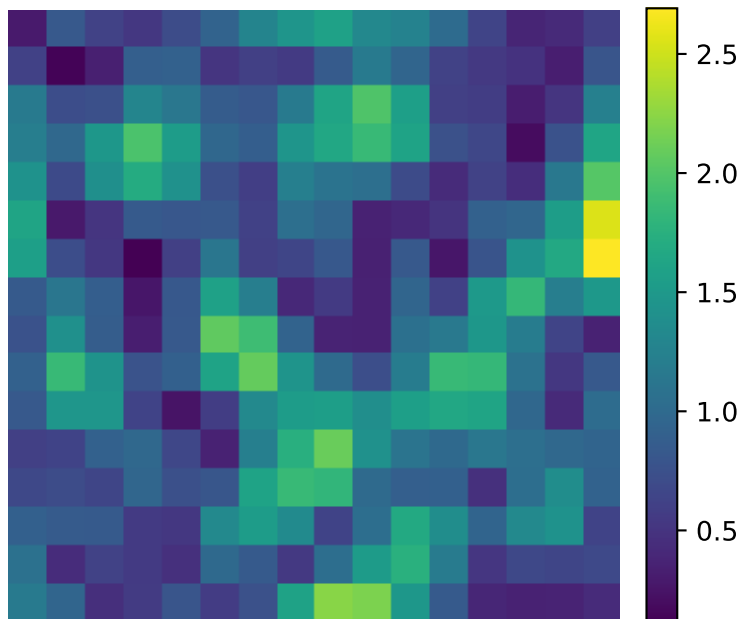
Slice 3



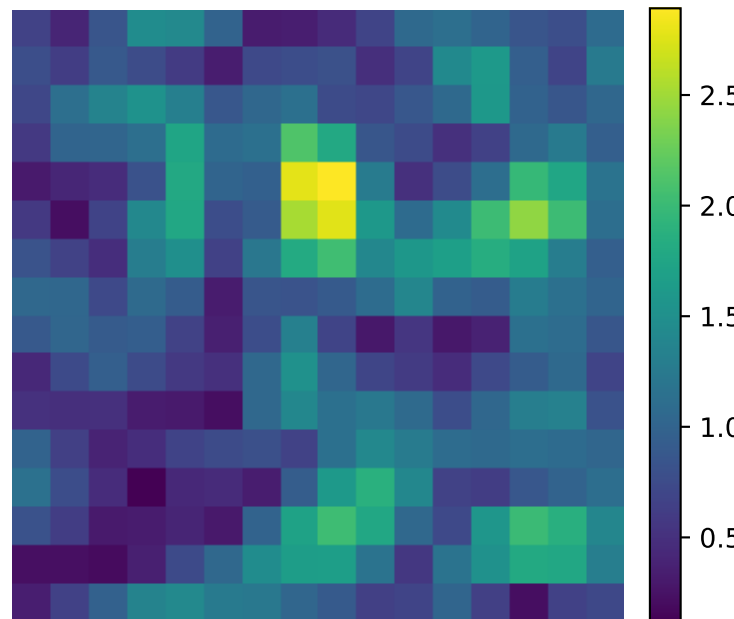
Slice 6



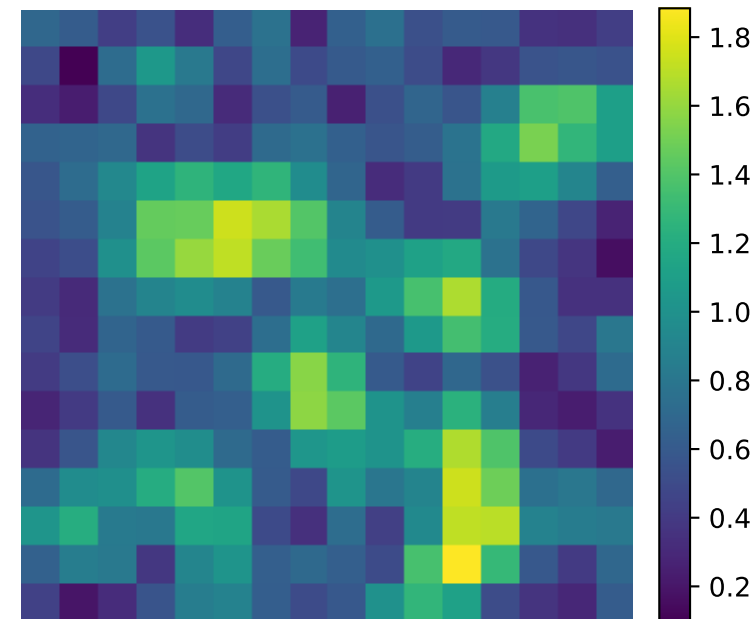
Slice 9



Slice 12

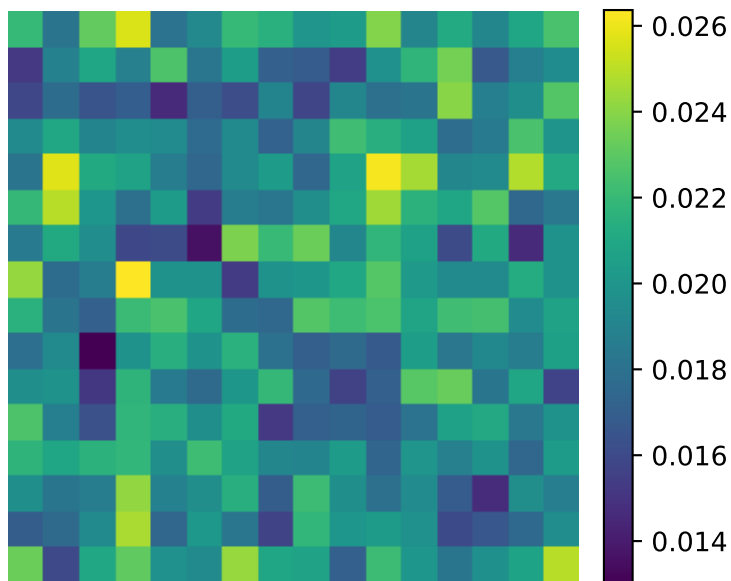


Slice 15

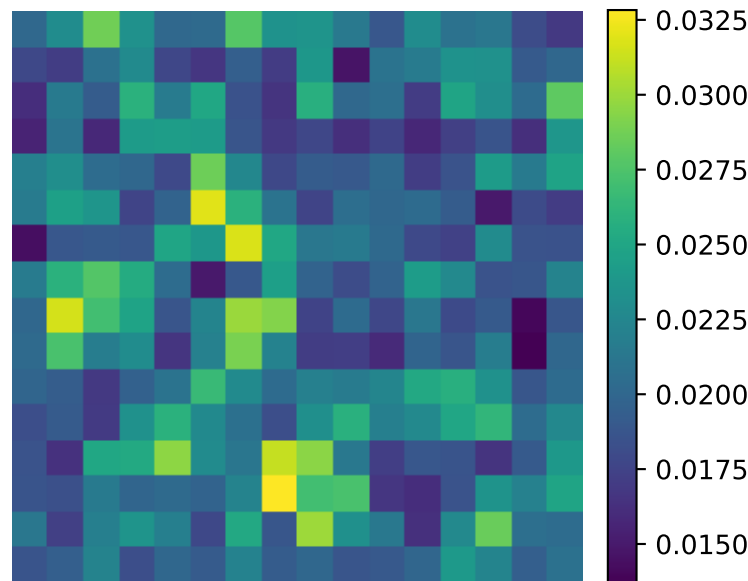


## Reconstruction Uncertainty - Axial Slices

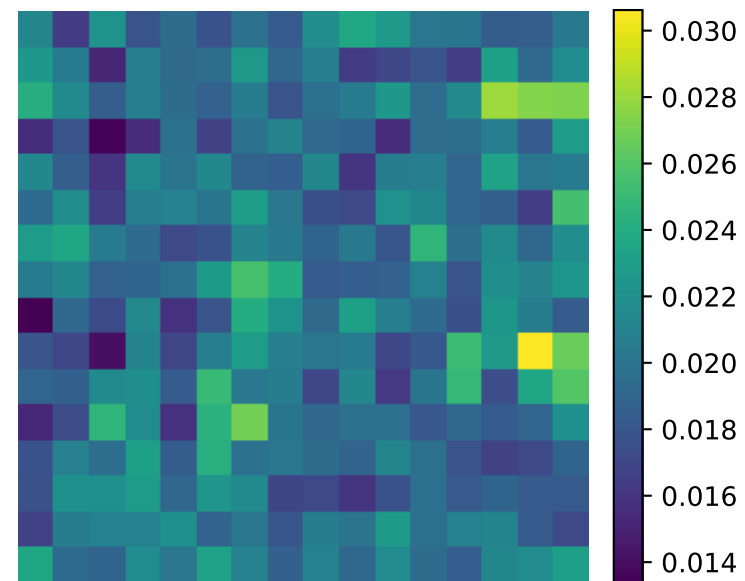
Slice 0



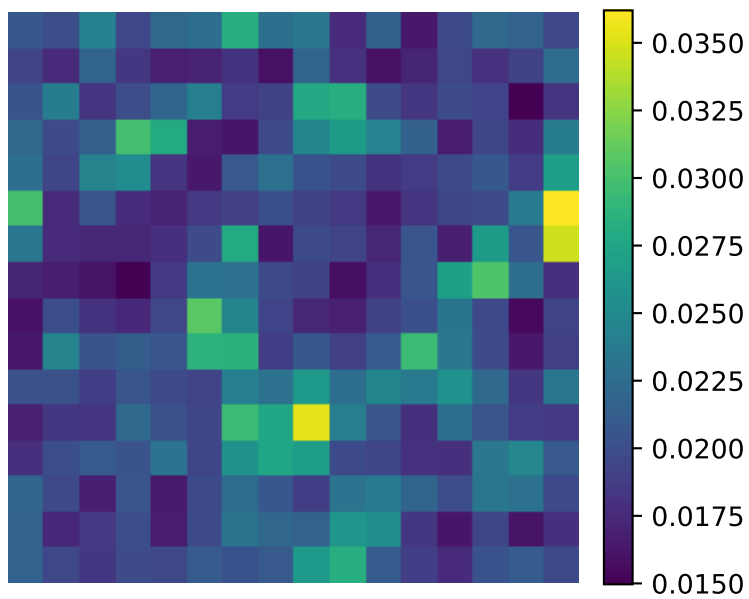
Slice 3



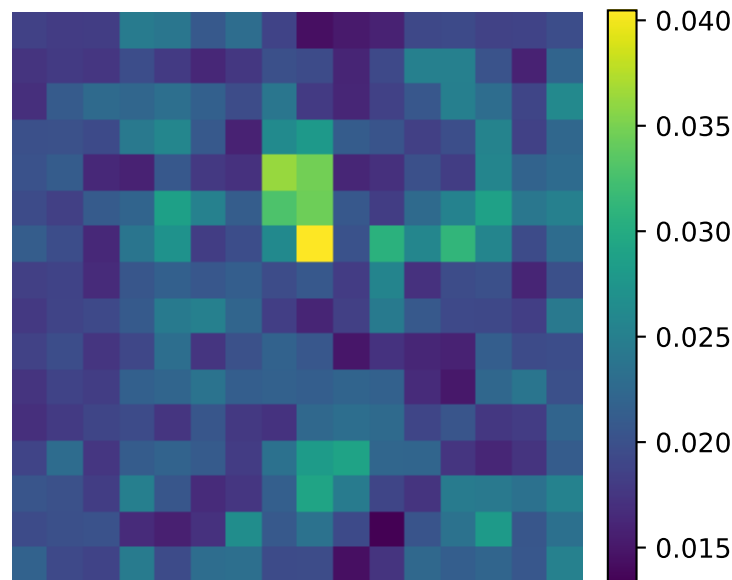
Slice 6



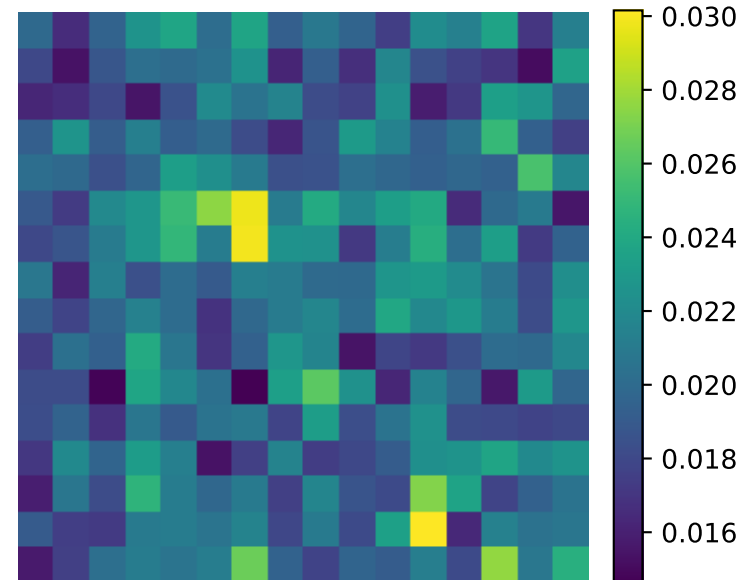
Slice 9



Slice 12

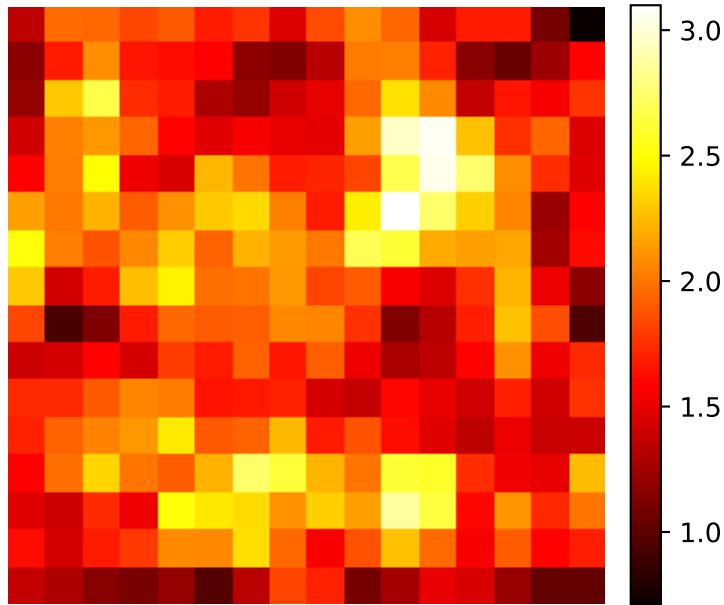


Slice 15

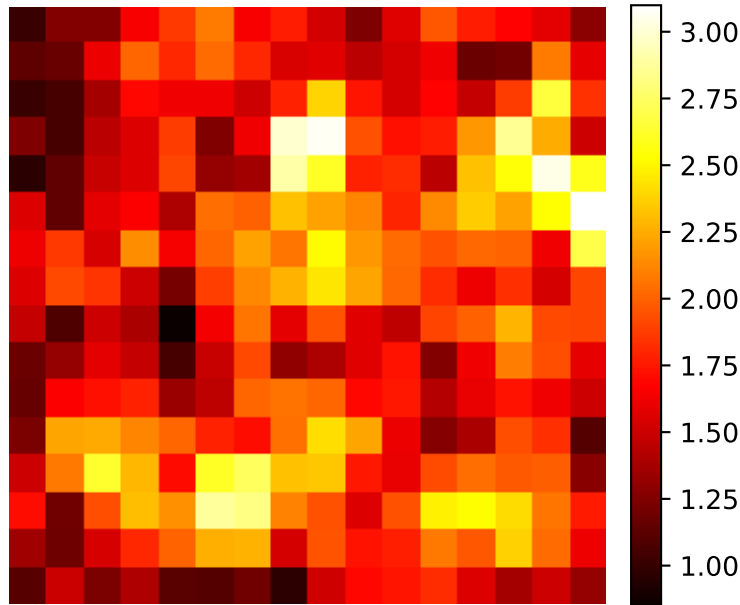


True  $||J||$  - MIP

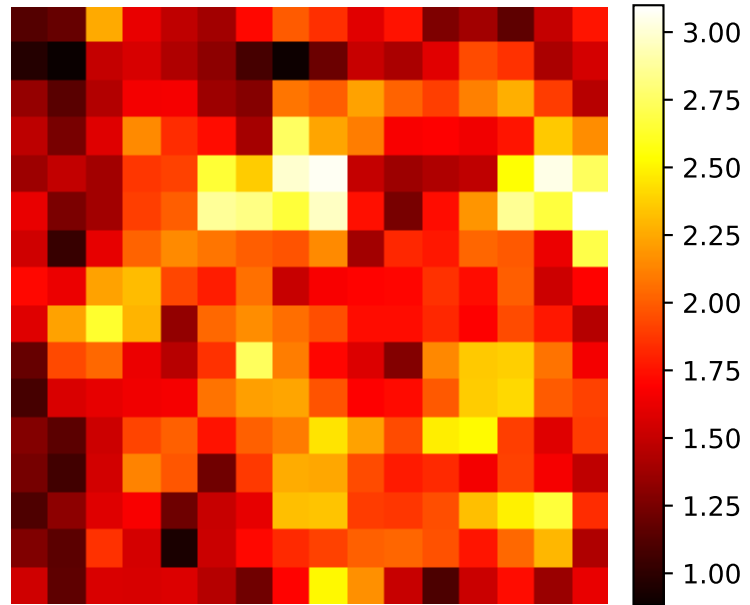
MIP along X



MIP along Y

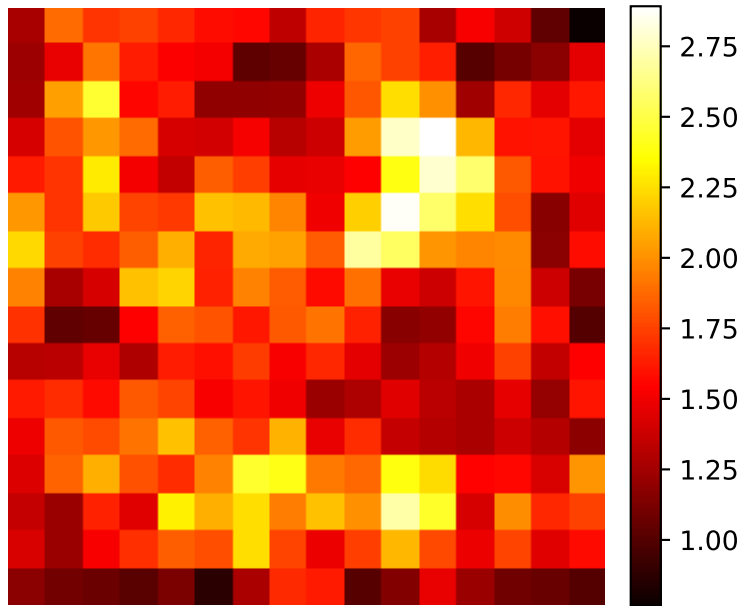


MIP along Z

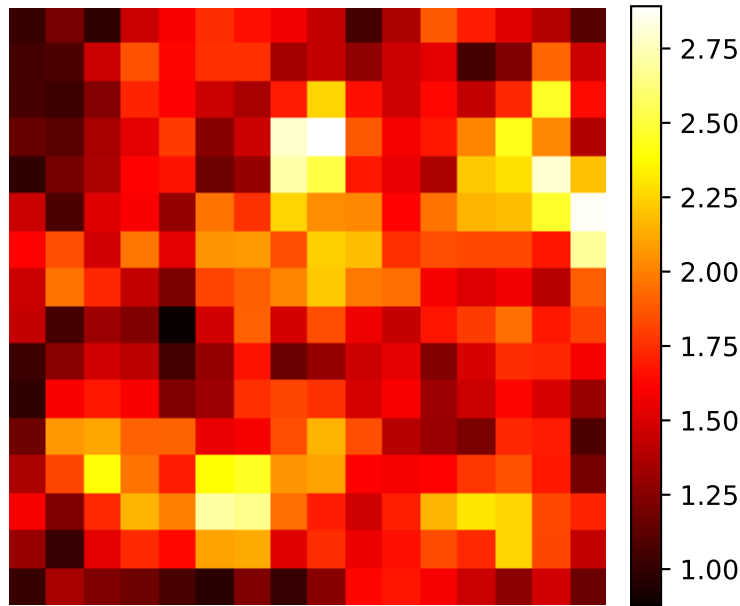


# Reconstructed Mean $||j||$ - MIP

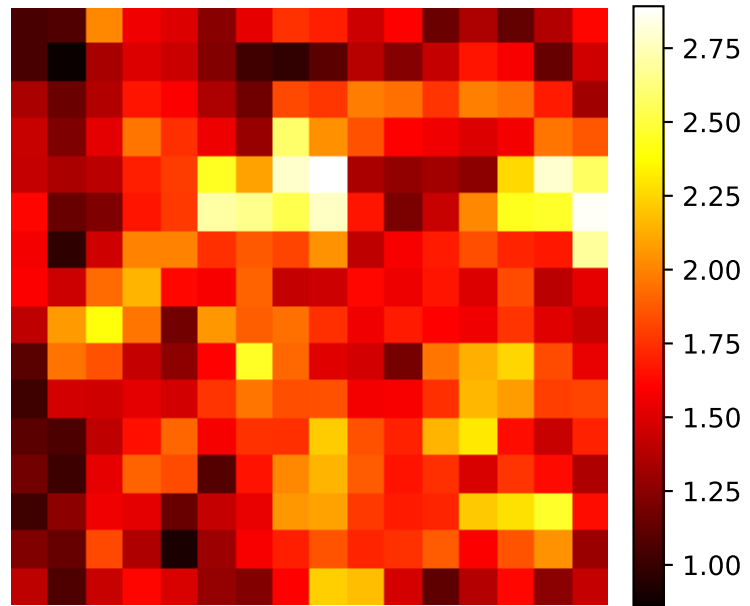
MIP along X



MIP along Y

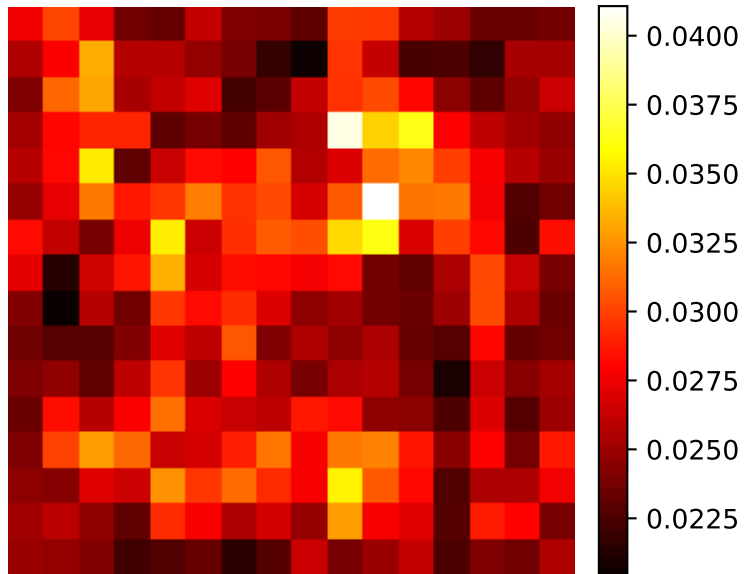


MIP along Z

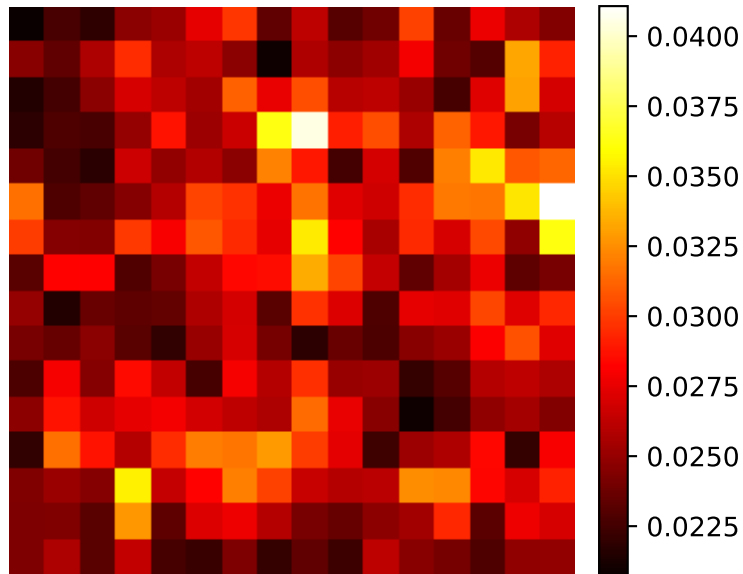


## Reconstruction Uncertainty - MIP

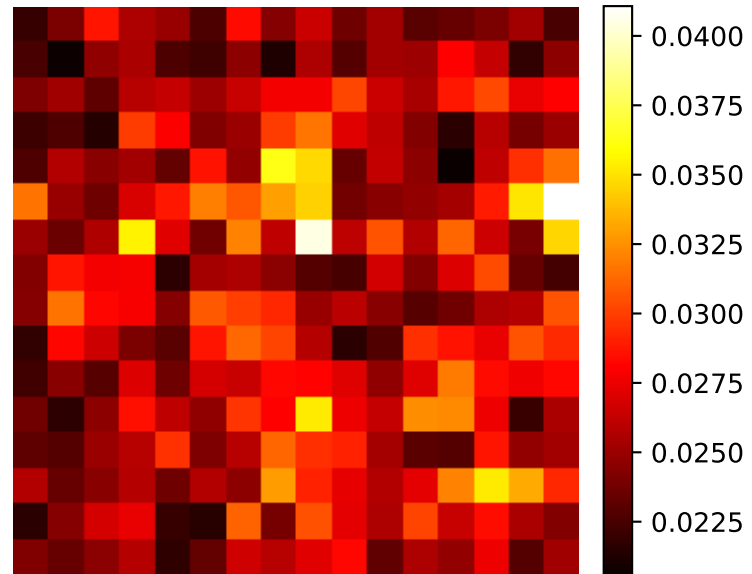
MIP along X



MIP along Y

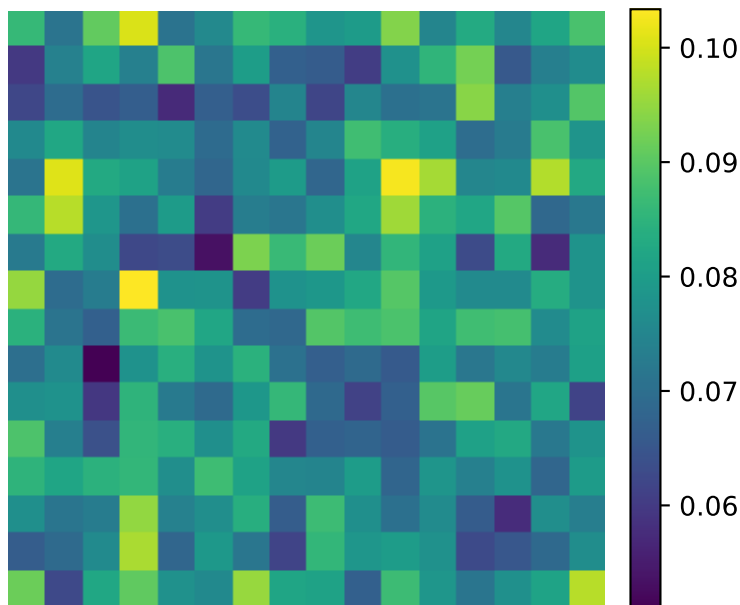


MIP along Z

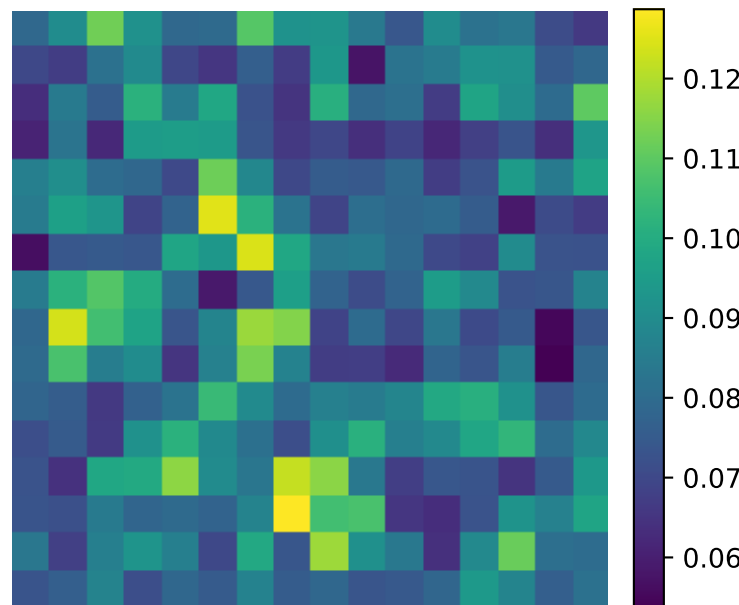


# 95% Credible Interval Width

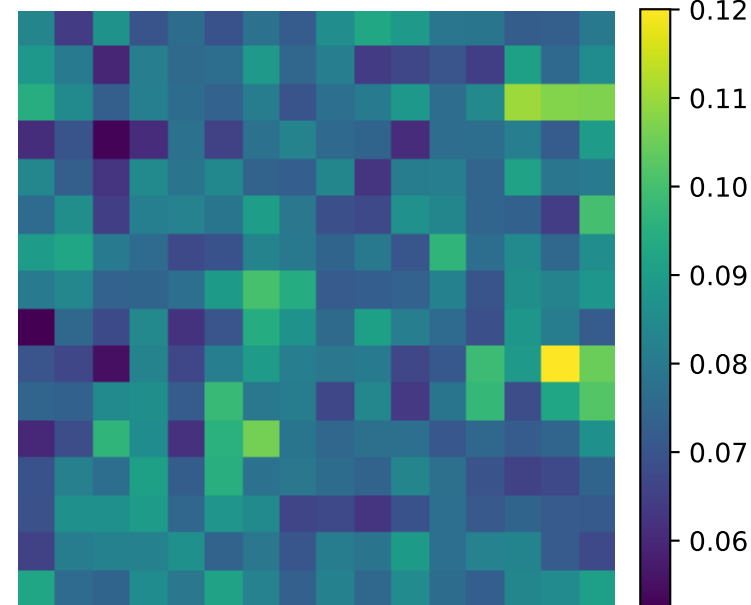
Slice 0



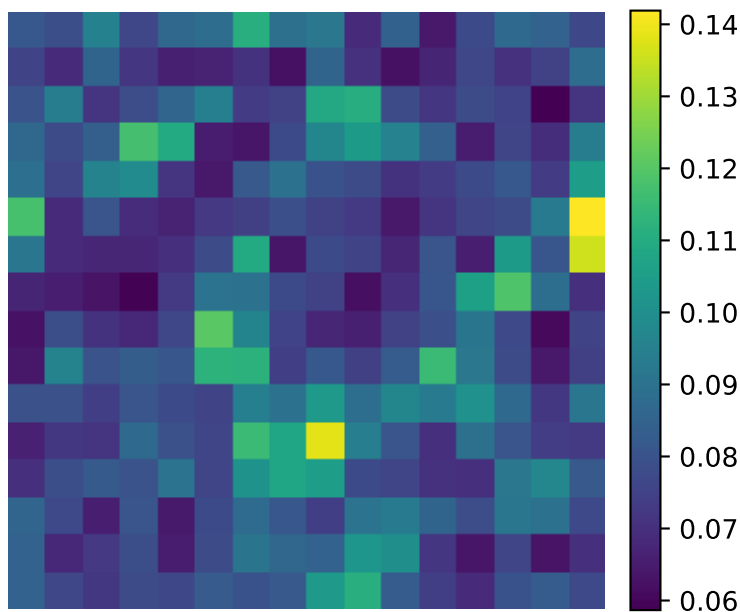
Slice 3



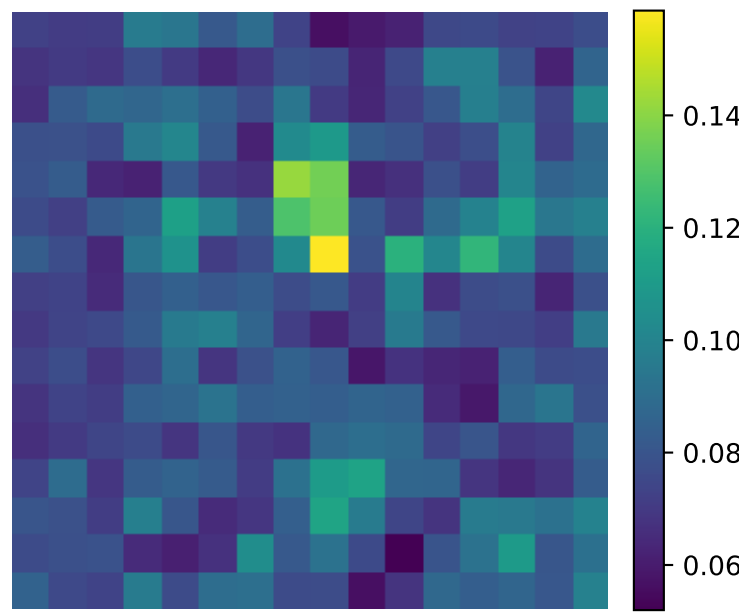
Slice 6



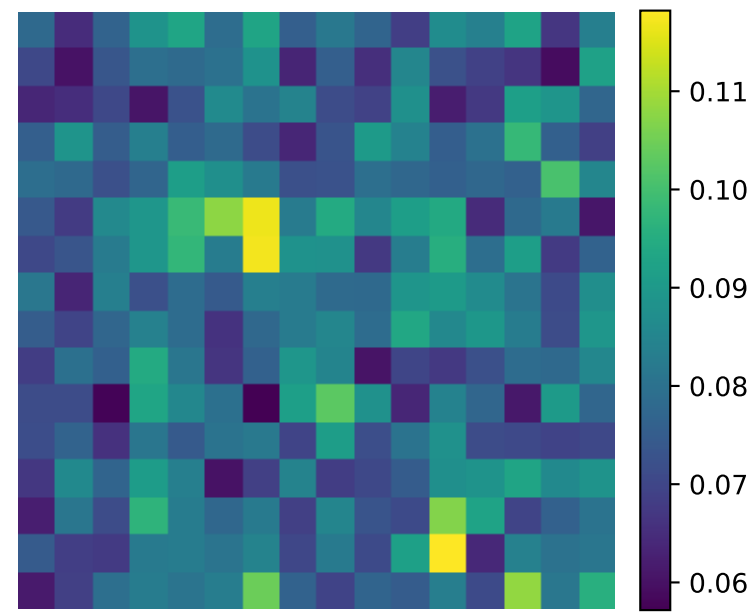
Slice 9



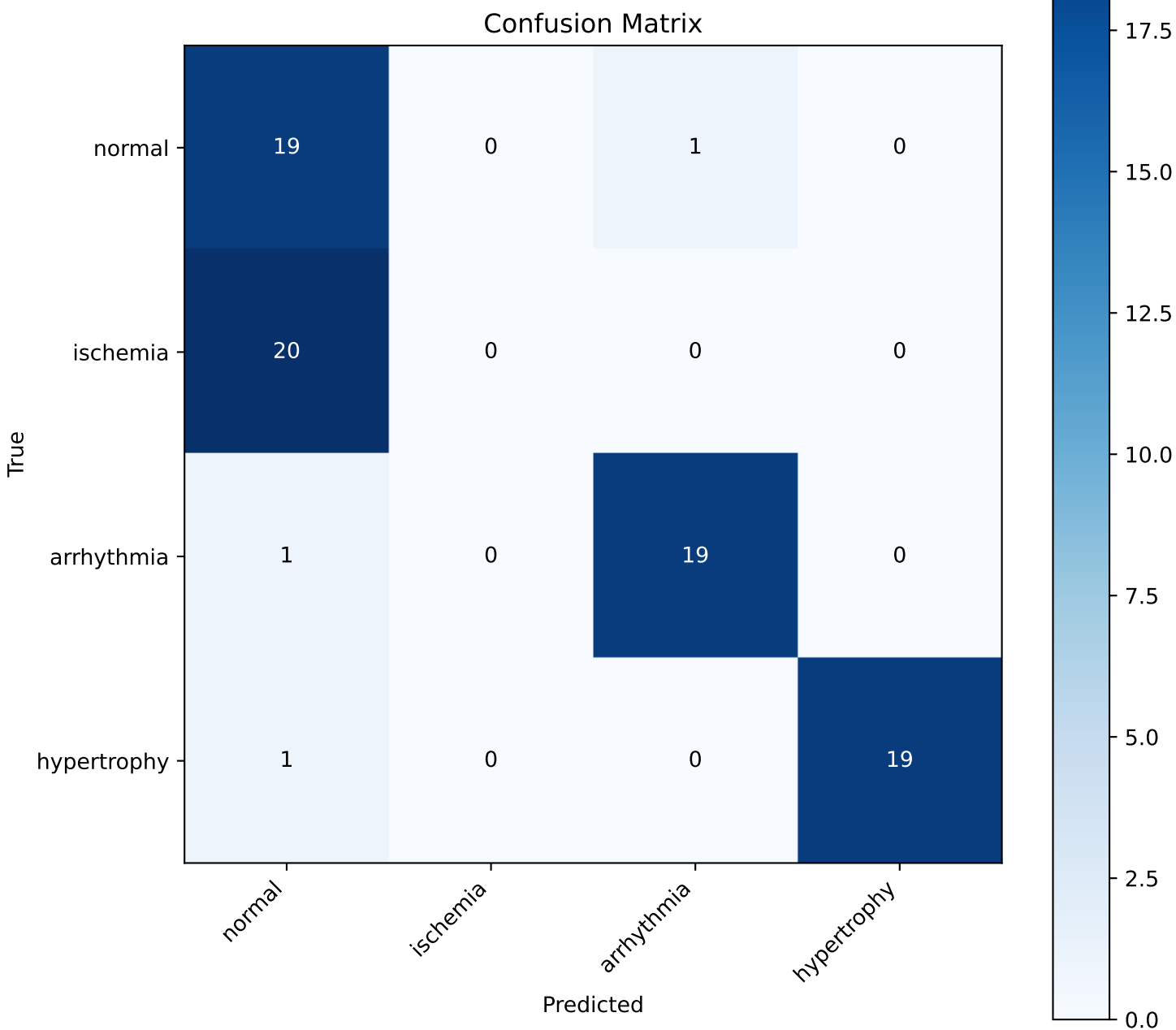
Slice 12



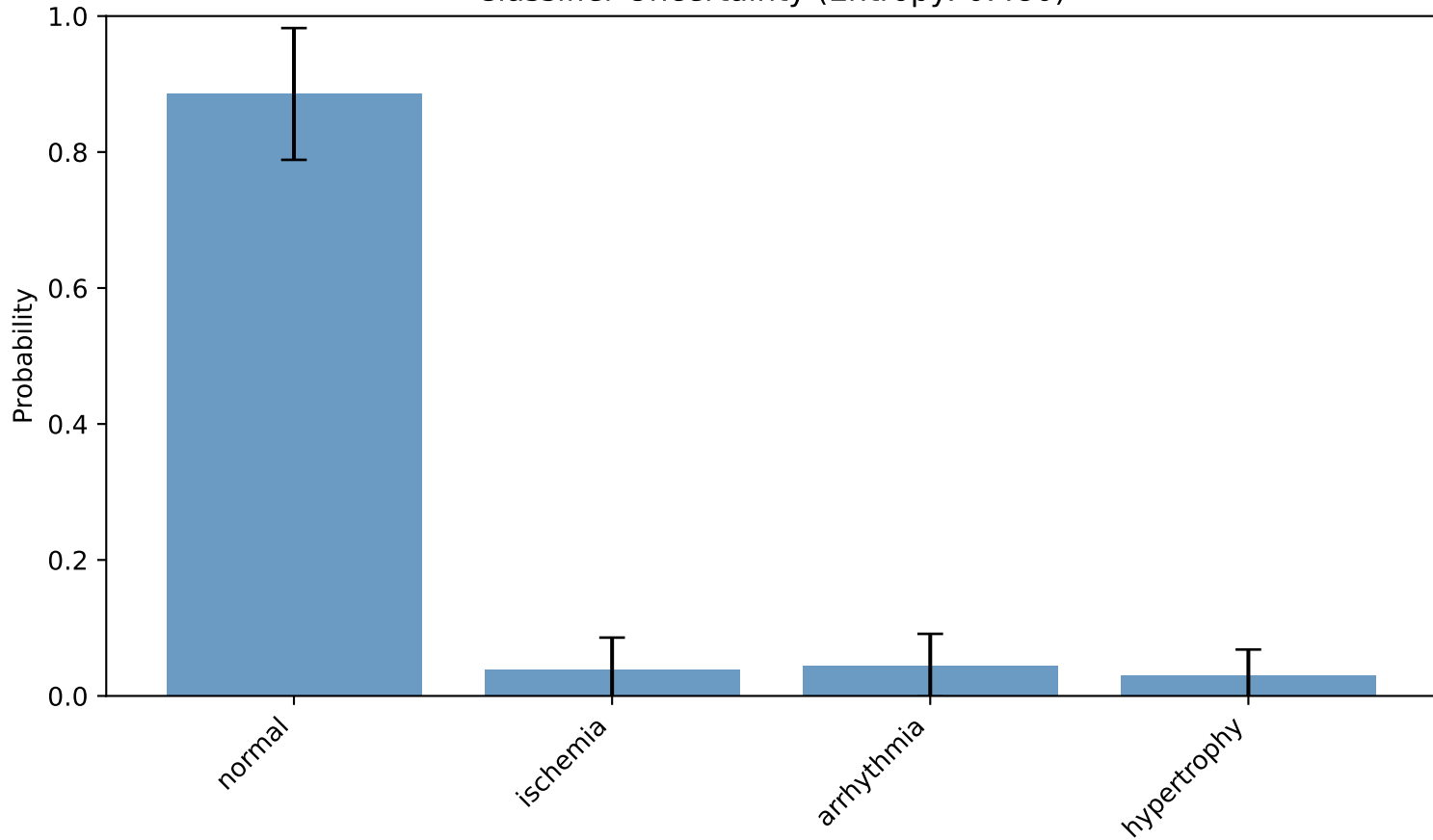
Slice 15



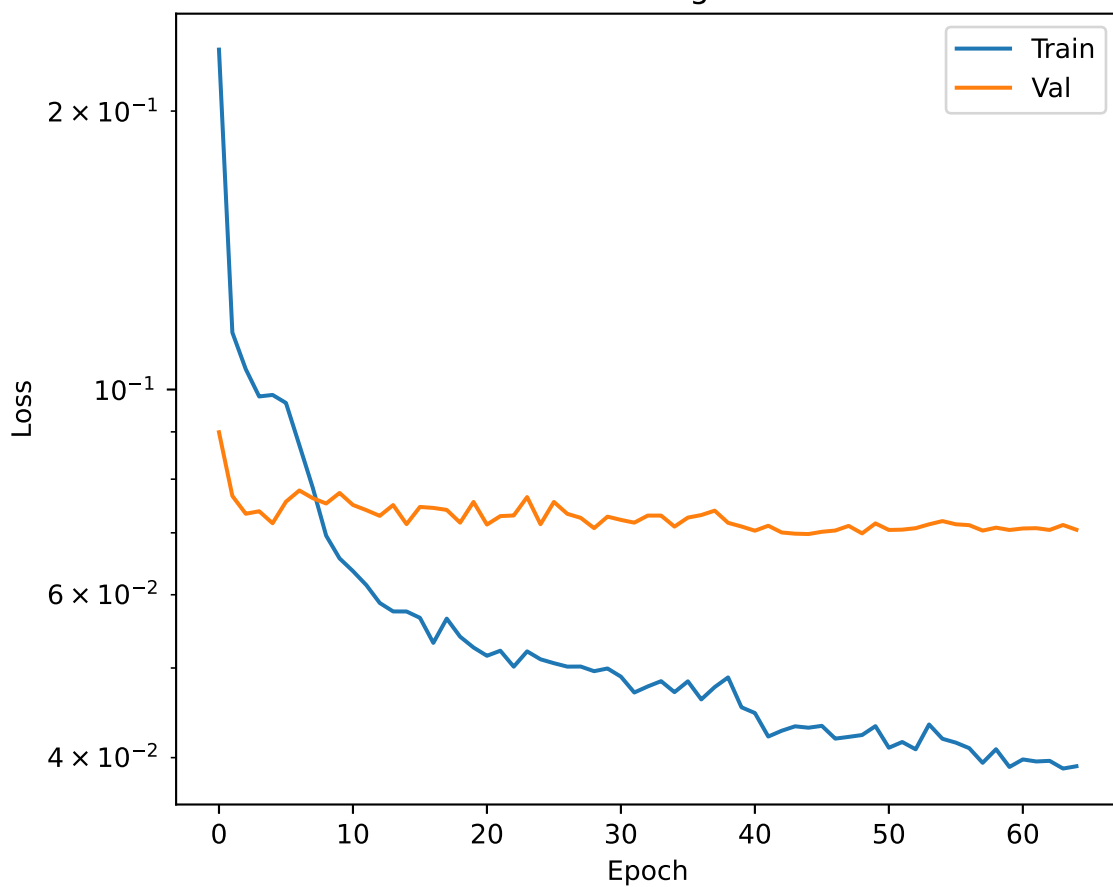




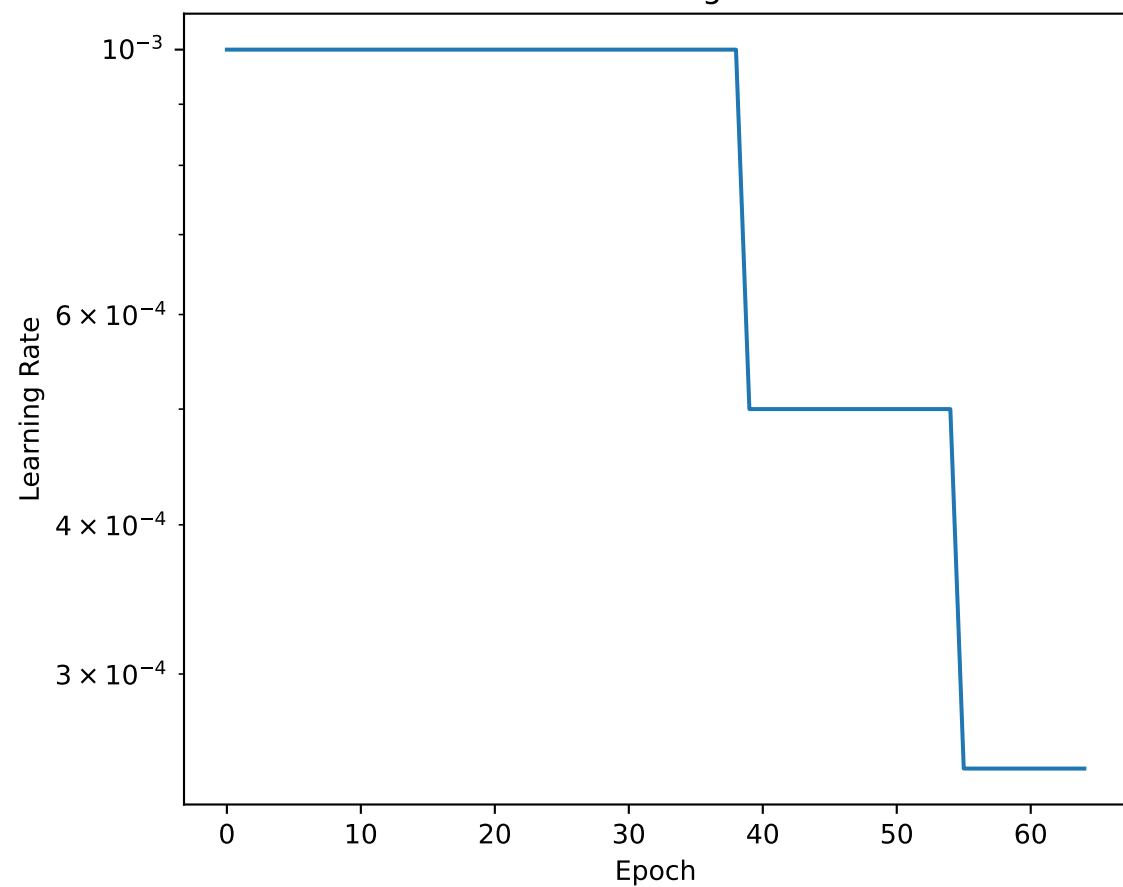
Classifier Uncertainty (Entropy: 0.480)



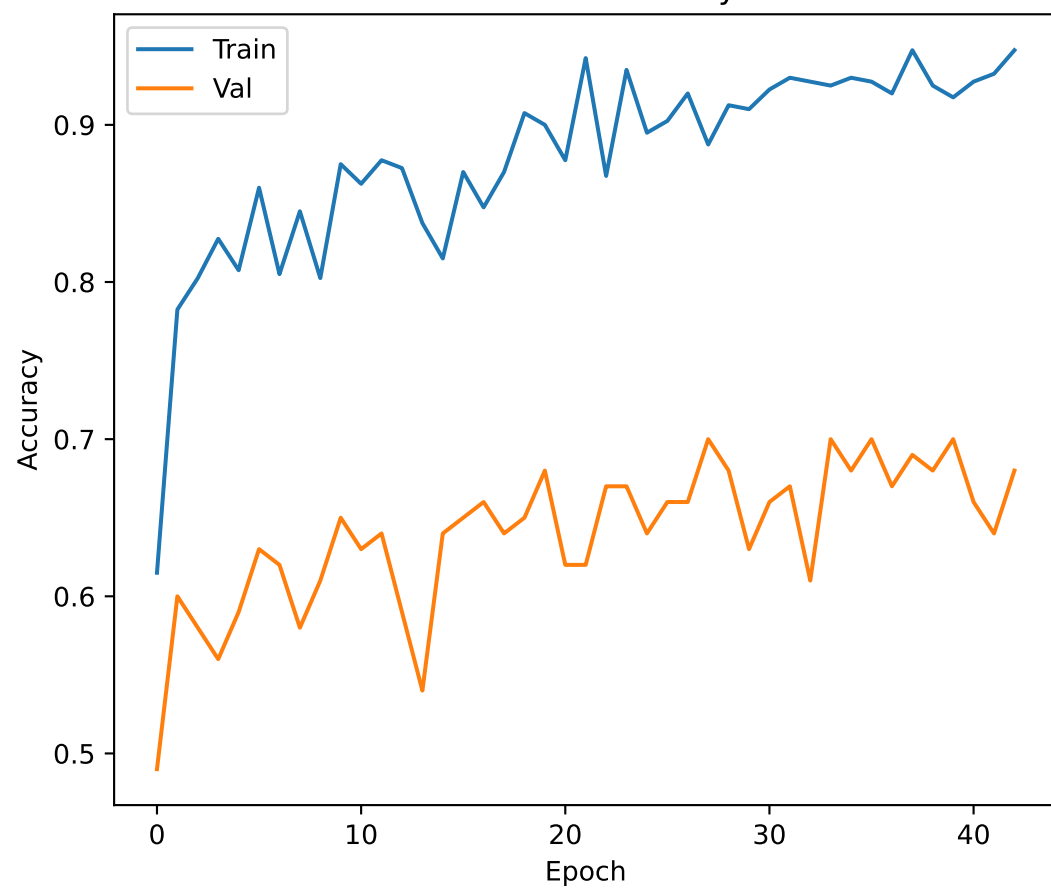
FNO Training Loss



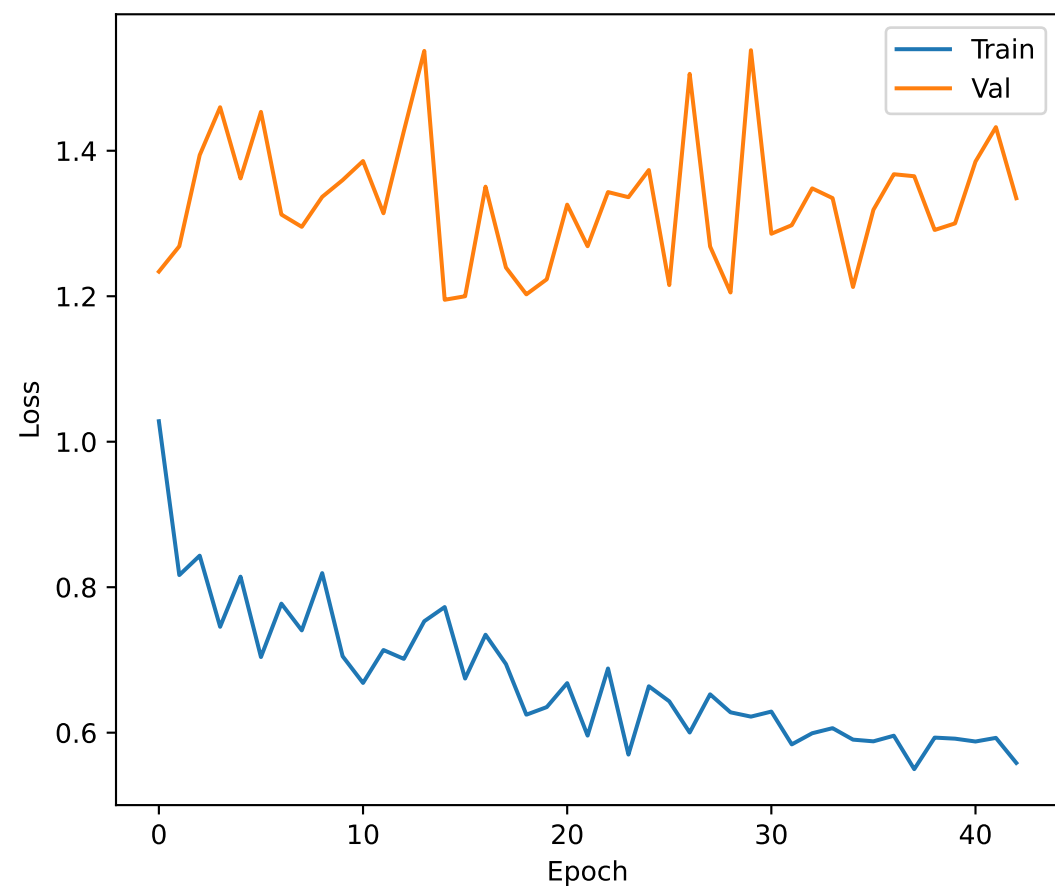
FNO Learning Rate



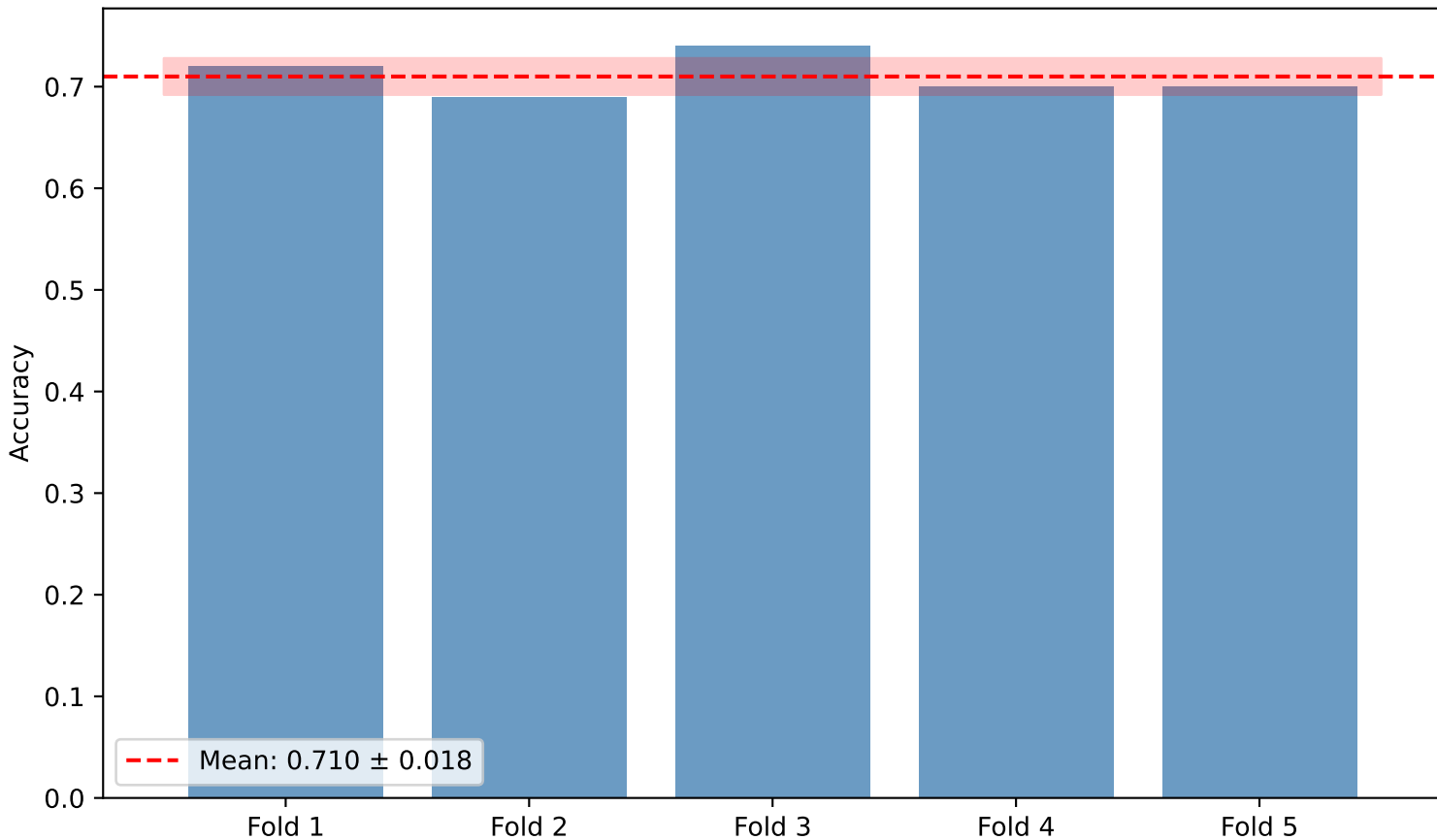
Classifier Accuracy



Classifier Loss



# Cross-Validation Results



## CLASSIFICATION RESULTS SUMMARY

=====

Overall Accuracy: 0.7125

Macro F1 Score: 0.6368

Cross-Validation: 0.7100  $\pm$  0.0179

Per-Class Performance:

normal:

Precision: 0.4634

Recall: 0.9500

F1: 0.6230

ischemia:

Precision: 0.0000

Recall: 0.0000

F1: 0.0000

arrhythmia:

Precision: 0.9500

Recall: 0.9500

F1: 0.9500

hypertrophy:

Precision: 1.0000

Recall: 0.9500

F1: 0.9744