

# Cross-Validation Report

Number of Cross-Validation Splits: 2

Features Used: lat, lon, d15, h\_meas, f15, theta15, N2, e0, e1, e2, e4, e8, e16, e32, e64, e128, e256, e512

Loss function: mse

Batch size: 128

Training time: 0:30:02.437356

Learning rate: 0.0005

Mean Absolute Error:  $1.73 \pm 0.00$

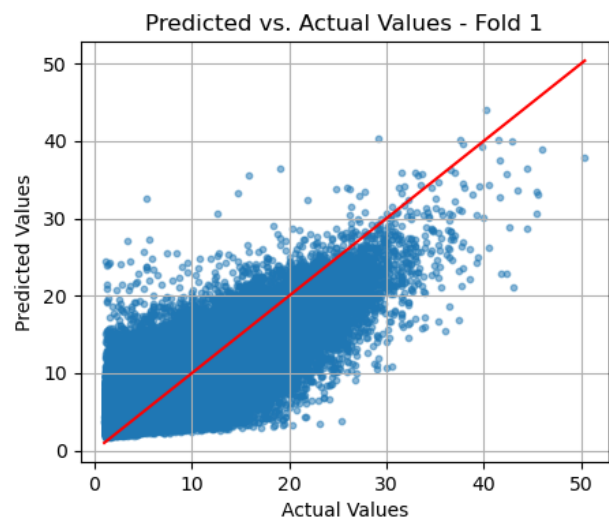
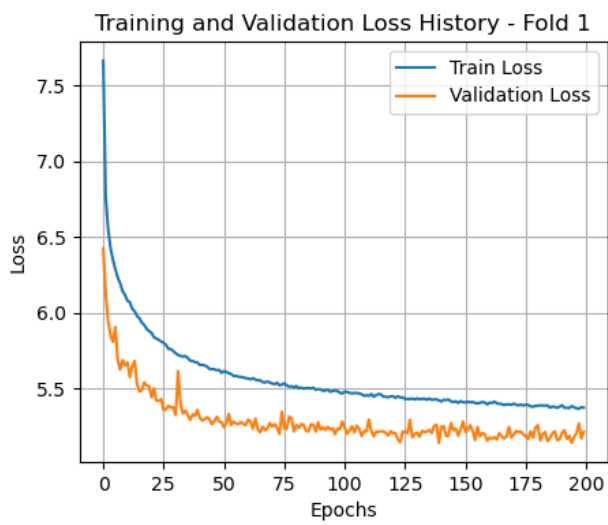
Layered Metrics - Fold 1

Range	MAE	MSE	Samples
0-10	1.52	3.96	467566
10-20	2.45	9.71	102733
20-30	4.92	33.74	5724
30-40	7.89	82.01	265
40-50	10.62	146.71	19
50-inf	12.44	154.73	1

Layered Metrics - Fold 2

Range	MAE	MSE	Samples
0-10	1.54	4.05	467772
10-20	2.41	9.41	102520
20-30	5.02	34.62	5714
30-40	8.95	97.52	274
40-50	15.88	277.78	22
50-inf	21.85	480.40	5

Loss and Predicted vs. Actual Values - Fold 1:



Loss and Predicted vs. Actual Values - Fold 2:

