**Evaluation: LSTM PINN NLL** 0.06 Truth Prediction 0.04 0.02 0.00 -0.022023-11 2023-01 2023-03 2023-05 2023-07 2023-09 2024-01 0.0 -0.2-0.4**Cumulative Truth Cumulative Prediction** -0.62023-05 2023-07 2023-09 2023-11 2024-01 2023-01 2023-03 0.30 0.25 0.20 HV60 0.15 Inferred Volatility 0.10 -2023-11 2024-01 2023-01 2023-03 2023-05 2023-07 2023-09 0.06 0.04 0.02 0.00 -0.02Remain Noise -0.042023-01 2023-03 2023-05 2023-07 2023-09 2023-11 2024-01