**Evaluation: LSTM PINN NLL** 0.06 Truth Prediction 0.04 0.02 0.00 -0.022023-01 2023-11 2023-03 2023-05 2023-07 2023-09 2024-01 0.1 0.0 -0.1**Cumulative Truth** -0.2**Cumulative Prediction** 2023-05 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 2023-05 2023-09 2023-11 2024-01 2023-01 2023-03 2023-07 0.06 Remain Noise 0.04 0.02 0.00 -0.022023-01 2024-01 2023-03 2023-05 2023-07 2023-09 2023-11