**Evaluation: LSTM PINN NLL** Truth 0.04 Prediction 0.02 0.00 -0.02-0.042024-01 2024-03 2024-05 2024-07 2024-09 2024-11 2025-01 0.3 **Cumulative Truth Cumulative Prediction** 0.2 0.1 0.0 -0.12024-01 2024-05 2024-07 2024-09 2024-11 2025-01 2024-03 HV60 Inferred Volatility 0.25 0.20 0.15 2024-01 2024-03 2024-05 2024-07 2024-09 2024-11 2025-01 0.04 0.02 0.00 -0.02Remain Noise -0.042025-01 2024-01 2024-03 2024-05 2024-07 2024-09 2024-11