Evaluation: LSTM PINN NLL VI 0.050 0.025 0.000 -0.025Truth -0.050Prediction -0.0752022 2025 2020 2021 2023 2024 0.75 **Cumulative Truth Cumulative Prediction** 0.50 0.25 0.00 -0.252022 2020 2021 2023 2024 2025 HV60 0.4 Inferred Volatility 0.3 0.2 2022 2020 2021 2023 2024 2025 0.050 Remain Noise 0.025 0.000 -0.025-0.050-0.0752021 2022 2025 2020 2023 2024