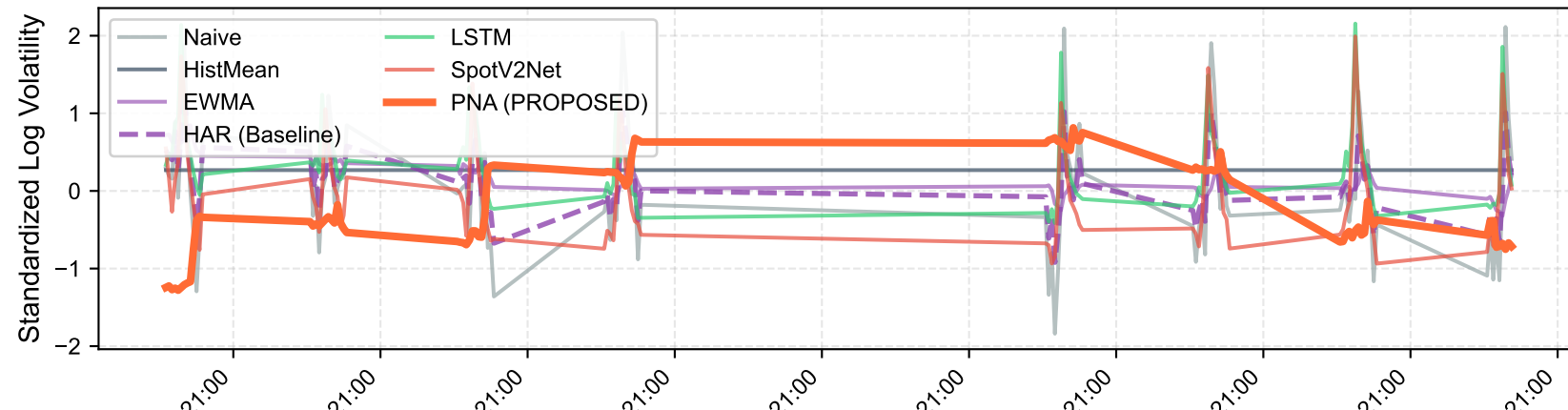
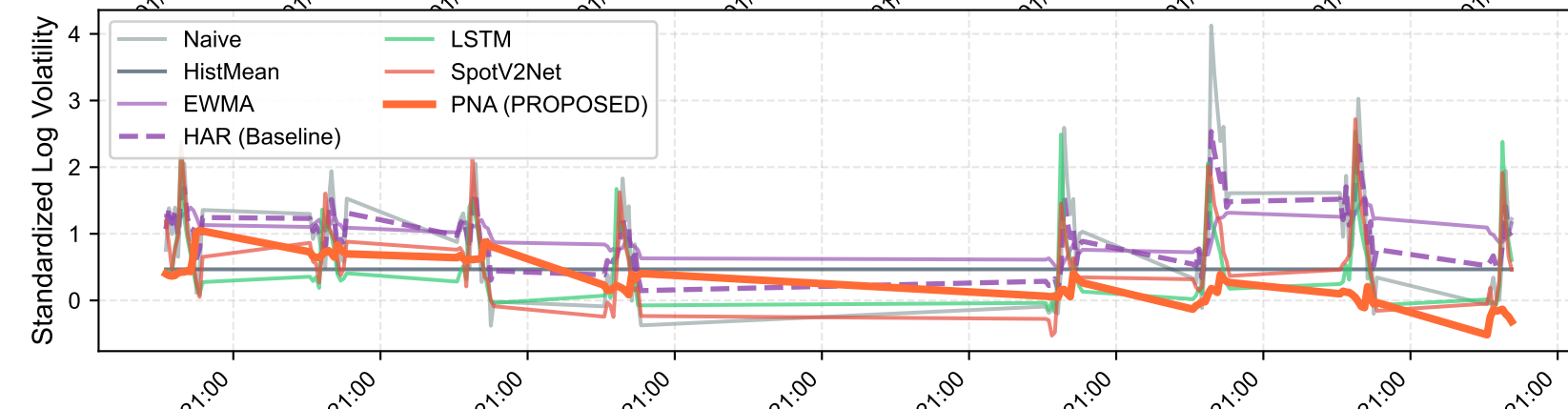


# 30-Minute Intraday Volatility Predictions - ACTUAL Model Outputs

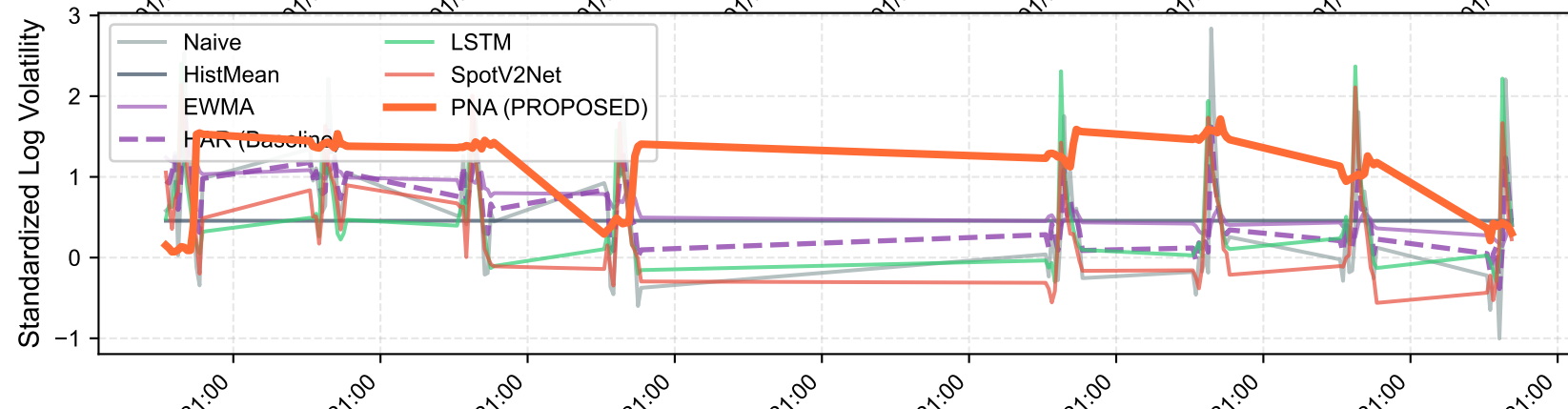
**AAPL - Apple Inc.**



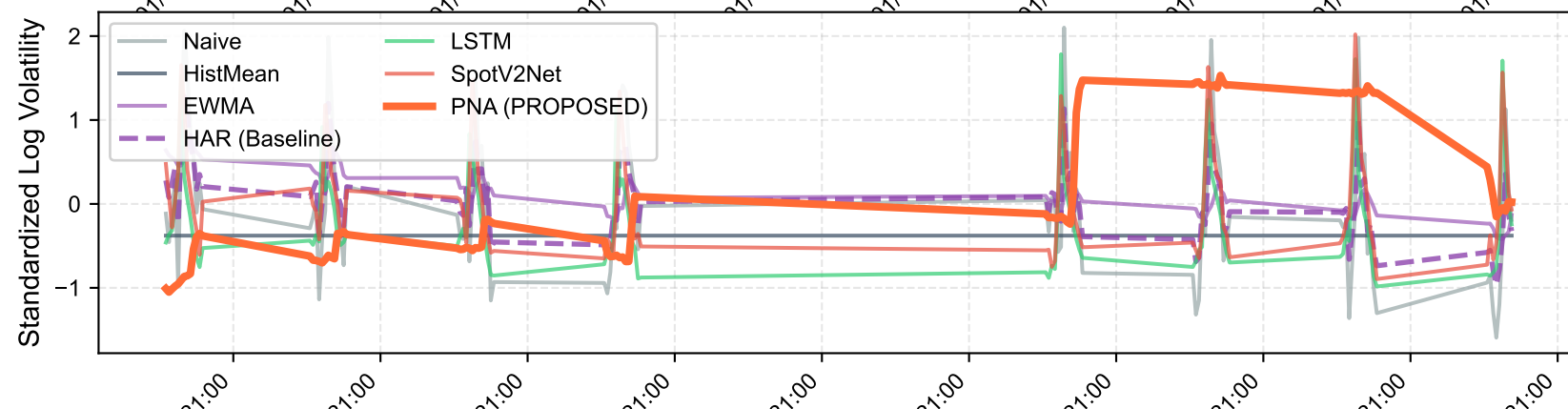
**CAT - Caterpillar**



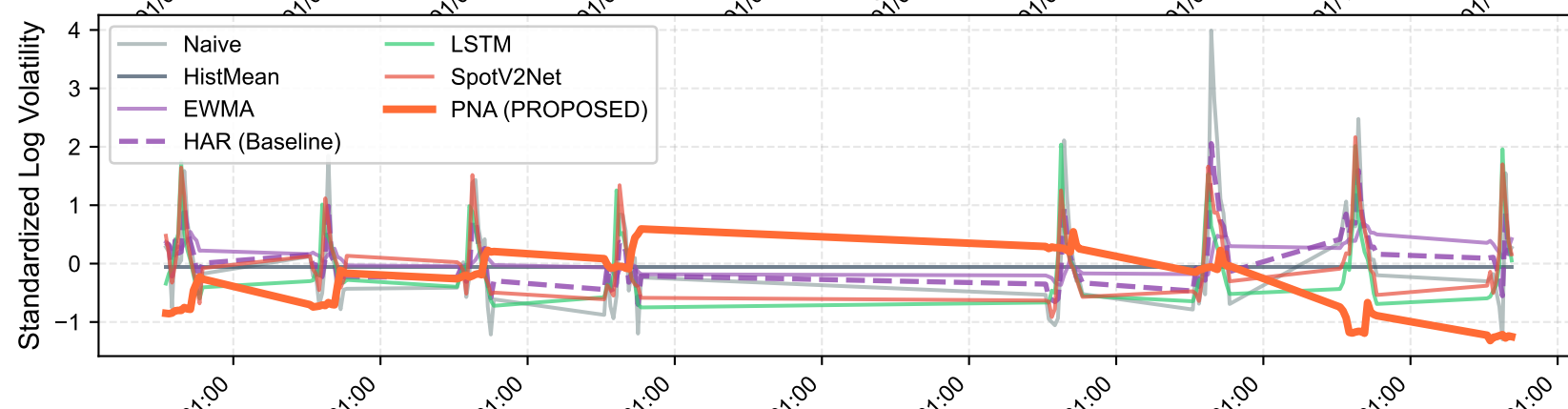
**GS - Goldman Sachs**



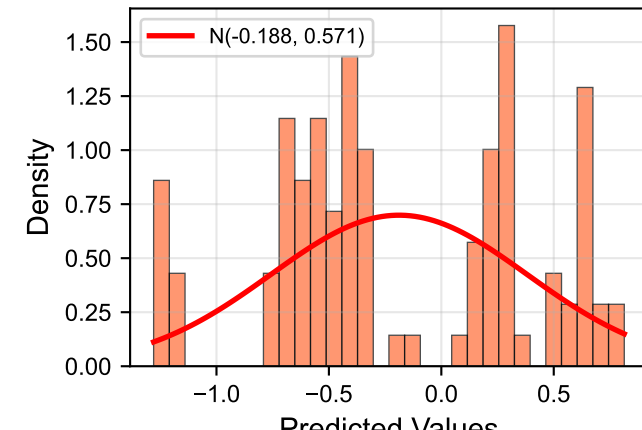
**JNJ - Johnson & Johnson**



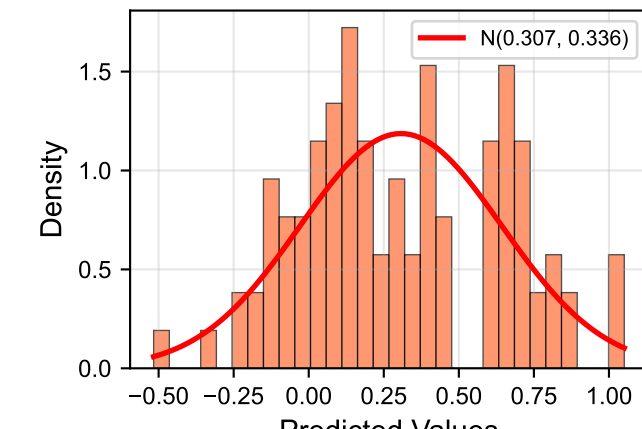
**MRK - Merck**



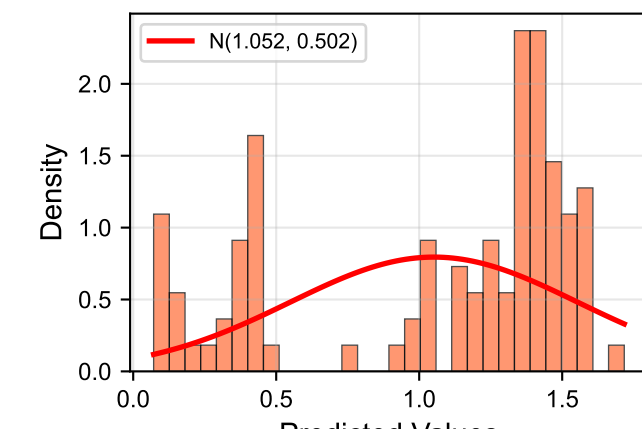
**PNA Distribution**



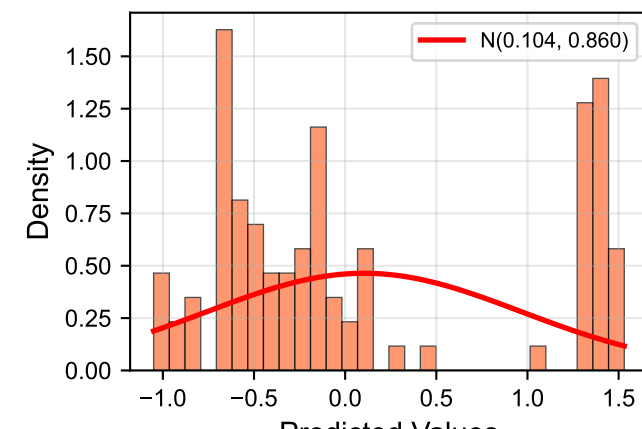
**PNA Distribution**



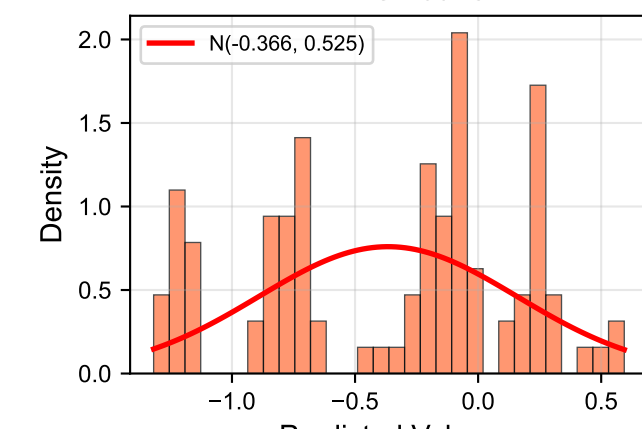
**PNA Distribution**



**PNA Distribution**



**PNA Distribution**



Date and Time