



21st June 2026

Economic Data Releases
& Their Historical Impact
on Assets

Services PMI (Jun) - UK

Services PMI (Jun) - UK

Release Date	Actual	Forecast	Previous
2026-05-21	47.9	51.7	52.7
2026-05-21	47.9	51.7	52.7
2026-05-21	47.9	51.7	52.7
2026-06-03	49.3	47.9	52.7
2026-06-03	49.3	47.9	52.7
2026-06-03	49.3	47.9	52.7

Services PMI (Jun) - UK

C:GBPJPY

C:GBPJPY Price Action - 2026-05-21 08:30 GMT



Services PMI (Jun) - UK

C:GBPUSD

C:GBPUSD Price Action - 2026-05-21 08:30 GMT



C:GBPUSD Price Action - 2026-06-03 08:30 GMT



Manufacturing PMI (Jun) - UK

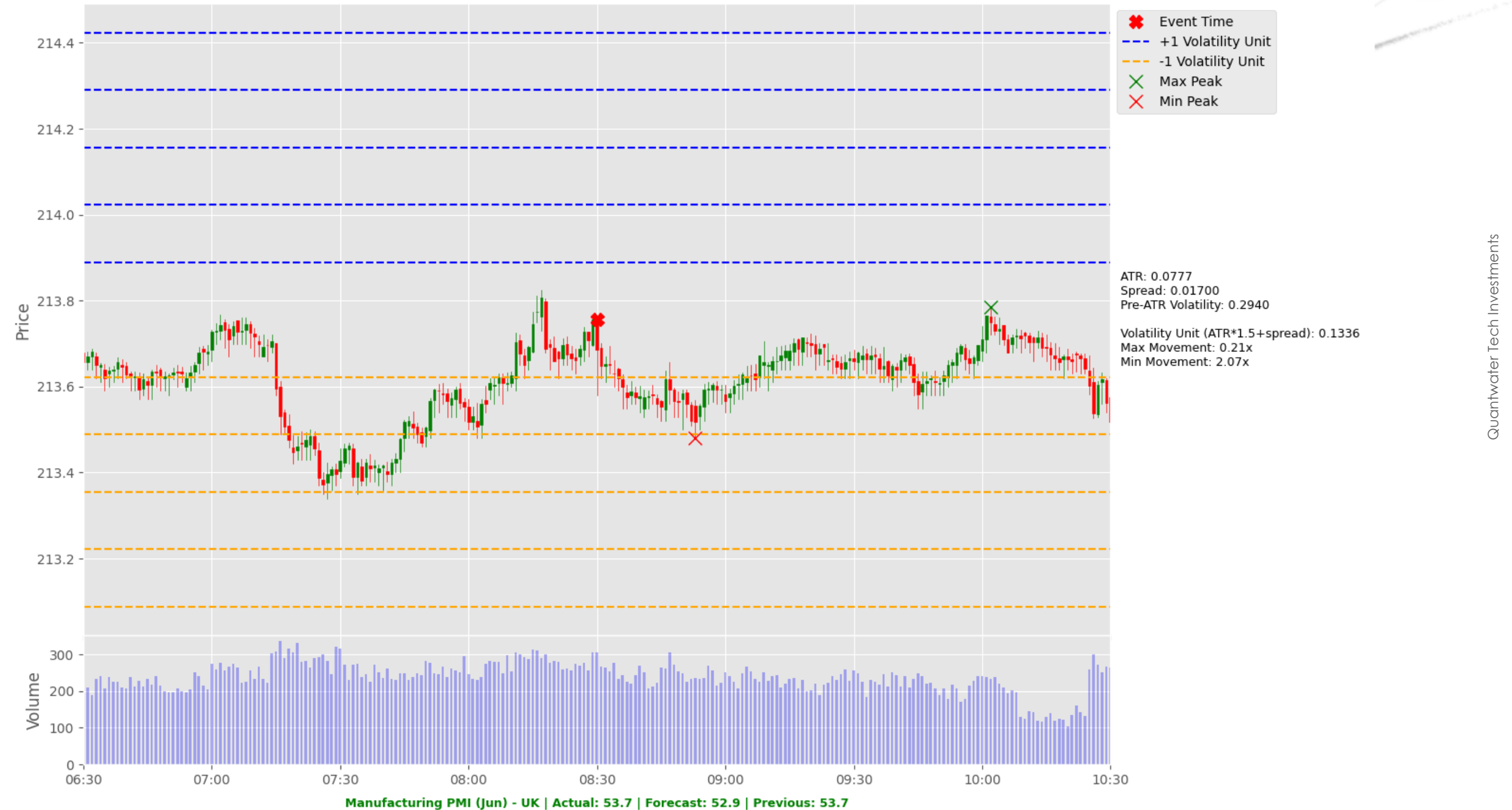
Manufacturing PMI (Jun) - UK

Release Date	Actual	Forecast	Previous
2026-05-21	53.7	52.9	53.7
2026-05-21	53.7	52.9	53.7
2026-05-21	53.7	52.9	53.7
2026-06-01	53.9	53.7	53.7
2026-06-01	53.9	53.7	53.7
2026-06-01	53.9	53.7	53.7

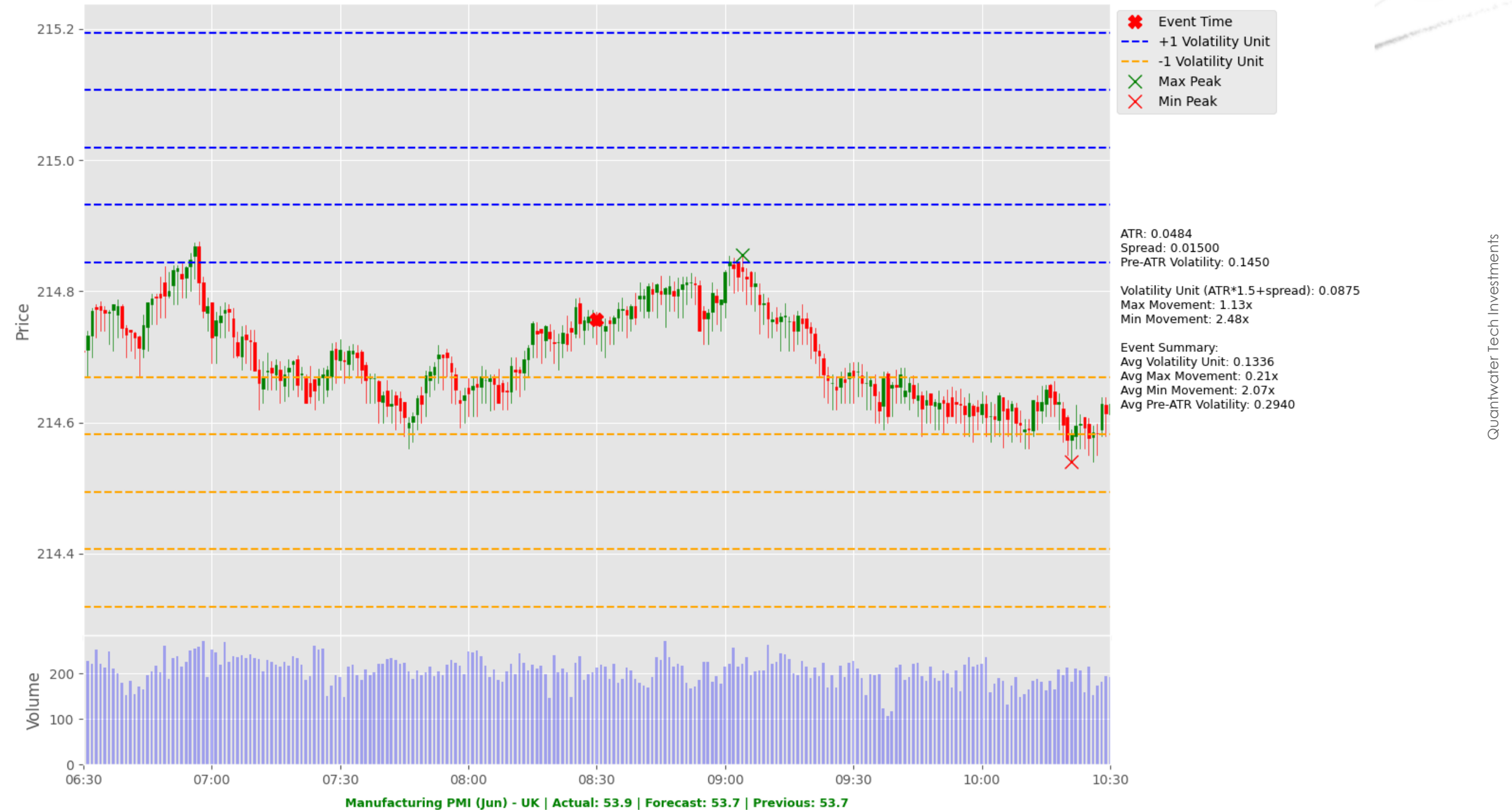
Manufacturing PMI (Jun) - UK

C:GBPJPY

C:GBPJPY Price Action - 2026-05-21 08:30 GMT



C:GBPJPY Price Action - 2026-06-01 08:30 GMT



Manufacturing PMI (Jun) - UK

C:GBPUSD

C:GBPUSD Price Action - 2026-05-21 08:30 GMT



C:GBPUSD Price Action - 2026-06-01 08:30 GMT

- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0003
Spread: 0.00017
Pre-ATR Volatility: 0.0010

Volatility Unit (ATR*1.5+spread): 0.0007
Max Movement: 0.87x
Min Movement: 2.22x

Event Summary:
Avg Volatility Unit: 0.0009
Avg Max Movement: 0.01x
Avg Min Movement: 2.66x
Avg Pre-ATR Volatility: 0.0026

Price

Volume



Manufacturing PMI (Jun) - UK 2 | Actual: 53.9 | Forecast: 53.7 | Previous: 53.7

Composite PMI (Jun)

Composite PMI (Jun)

Release Date	Actual	Forecast	Previous
2026-05-21	48.5	51.6	52.6
2026-05-21	48.5	51.6	52.6
2026-05-21	48.5	51.6	52.6
2026-06-03	49.7	48.5	52.6
2026-06-03	49.7	48.5	52.6
2026-06-03	49.7	48.5	52.6

Composite PMI (Jun)

C:GBPJPY

C:GBPJPY Price Action - 2026-05-21 08:30 GMT

- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0777
Spread: 0.01500
Pre-ATR Volatility: 0.2940

Volatility Unit (ATR*1.5+spread): 0.1316
Max Movement: 0.21x
Min Movement: 2.10x



Composite PMI (Jun) | Actual: 48.5 | Forecast: 51.6 | Previous: 52.6

Composite PMI (Jun)

C:GBPUSD

C:GBPUSD Price Action - 2026-05-21 08:30 GMT



C:GBPUSD Price Action - 2026-06-03 08:30 GMT



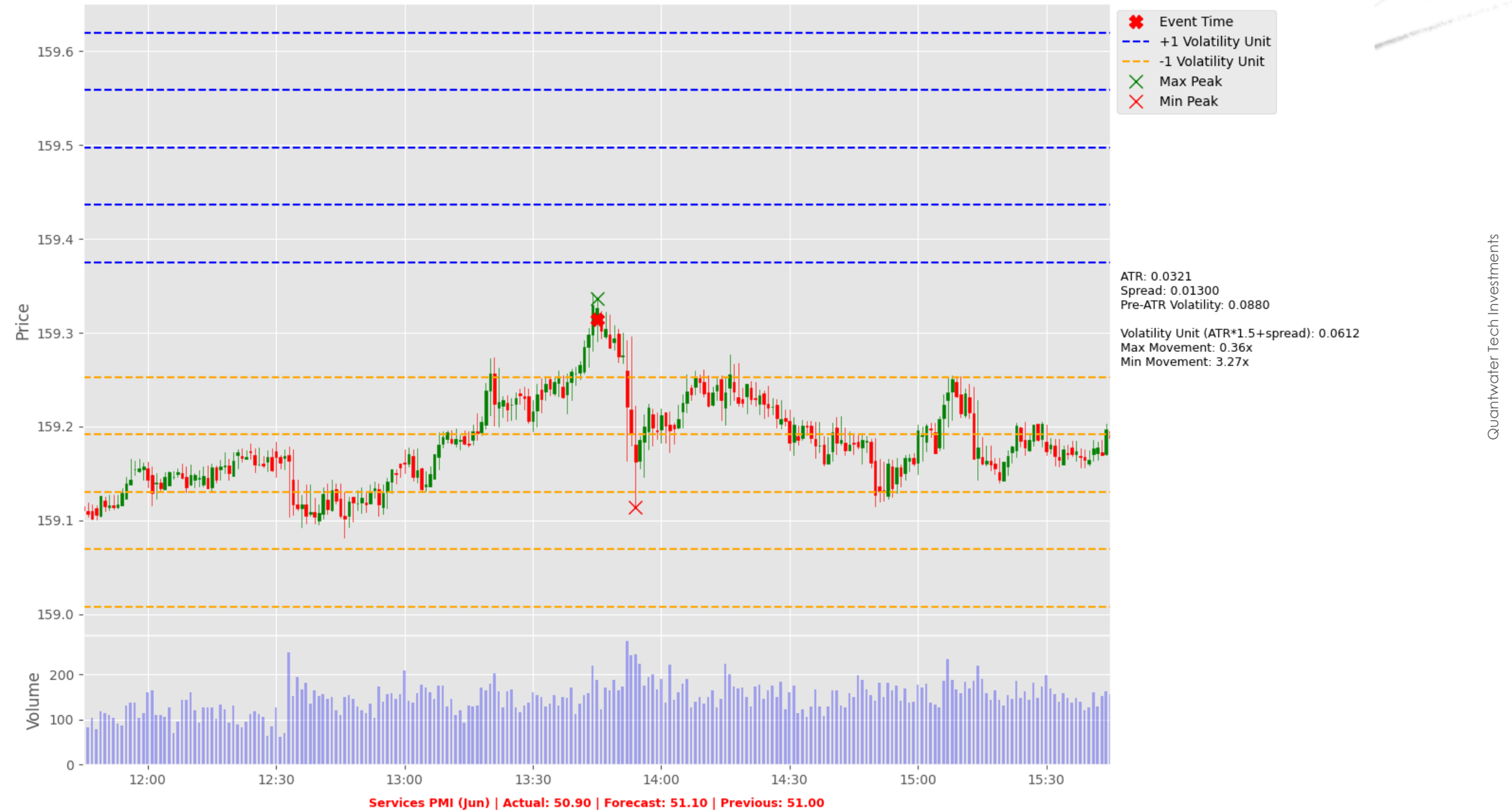
Services PMI (Jun)

Services PMI (Jun)

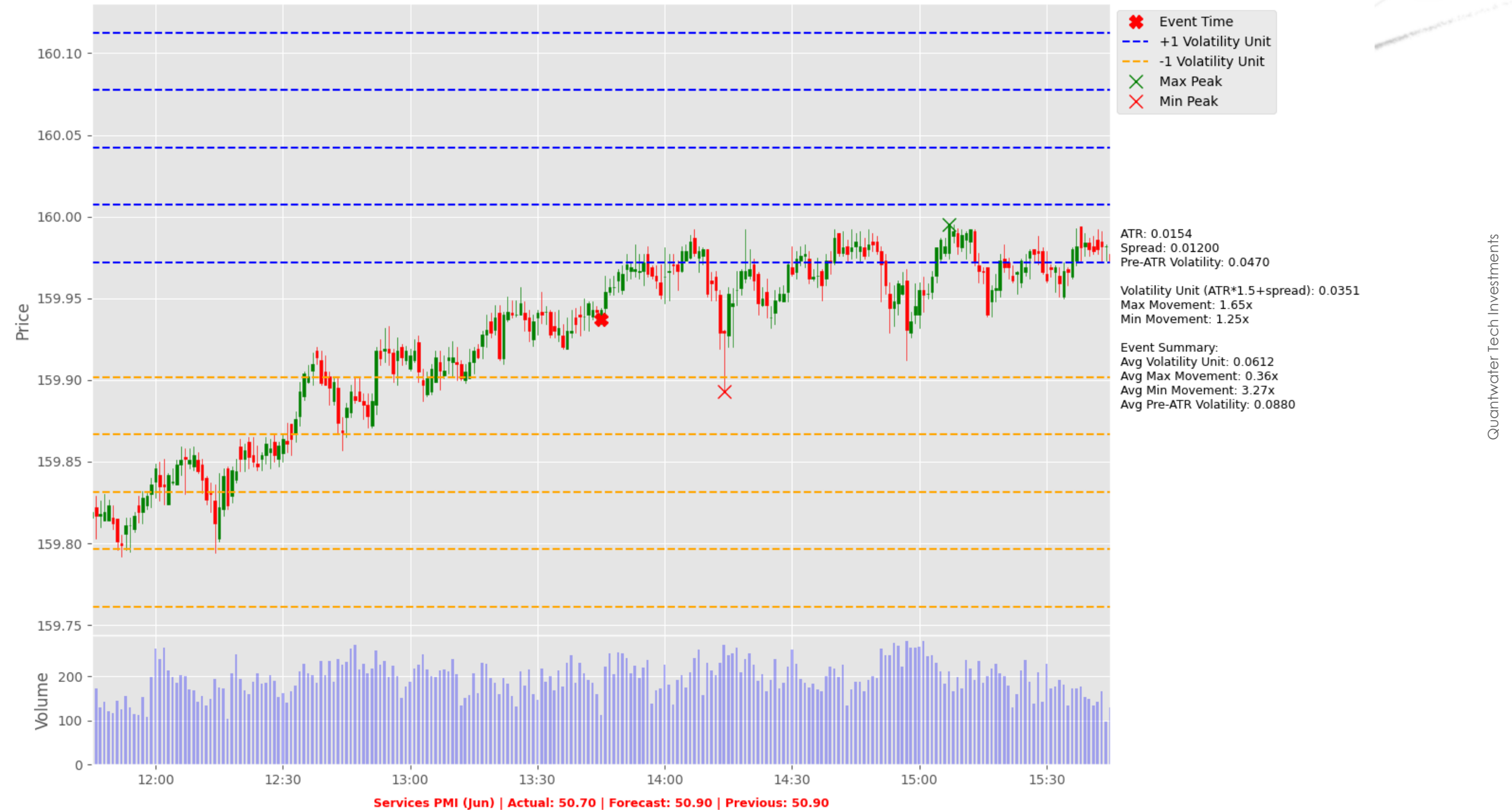
Release Date	Actual	Forecast	Previous
2026-05-21	50.90	51.10	51.00
2026-05-21	50.90	51.10	51.00
2026-05-21	50.90	51.10	51.00
2026-06-03	50.70	50.90	50.90
2026-06-03	50.70	50.90	50.90
2026-06-03	50.70	50.90	50.90

Services PMI (Jun)
C:USDJPY

C:USDJPY Price Action - 2026-05-21 13:45 GMT



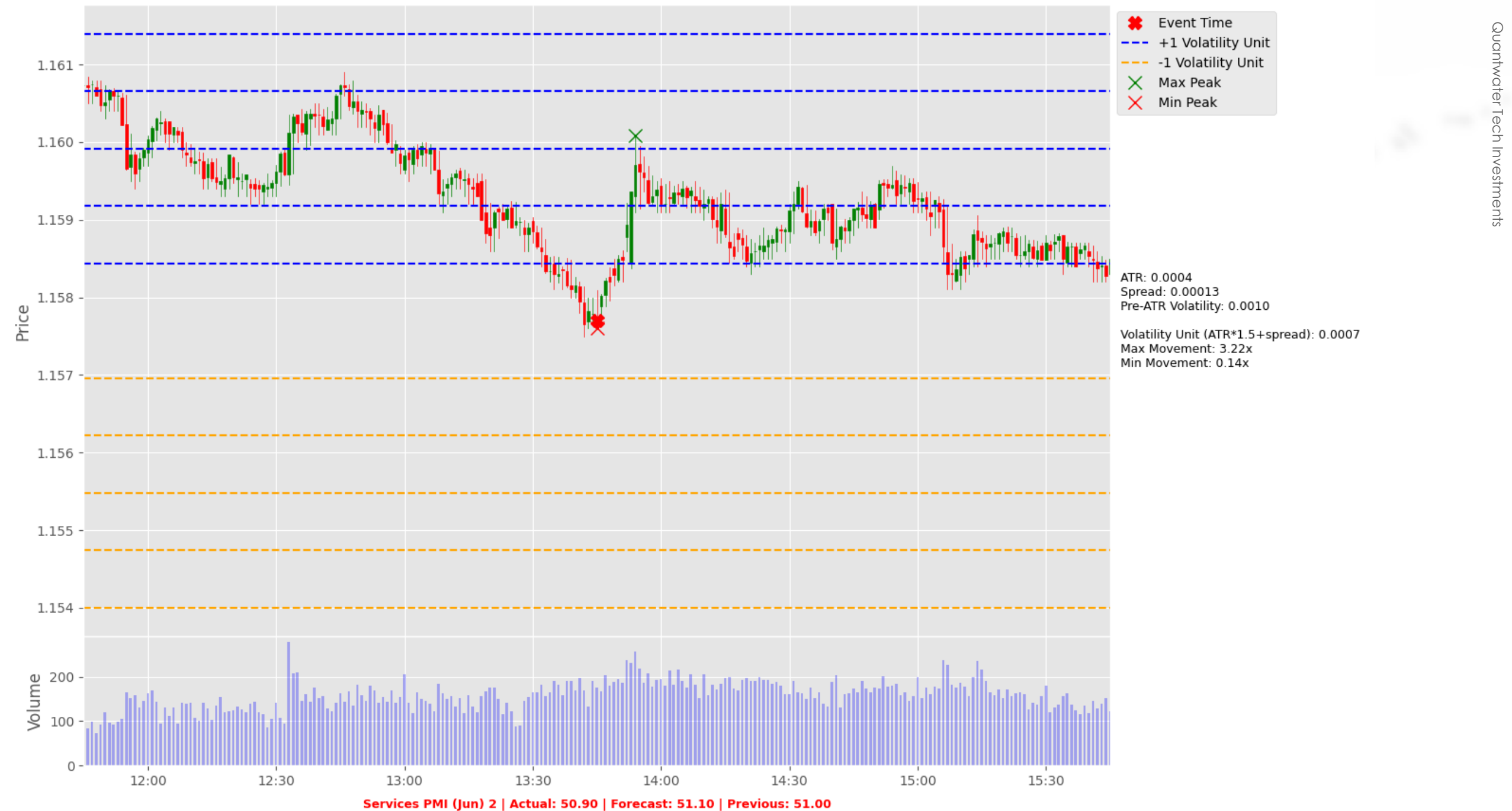
C:USDJPY Price Action - 2026-06-03 13:45 GMT



Services PMI (Jun)

C:EURUSD

C:EURUSD Price Action - 2026-05-21 13:45 GMT



C:EURUSD Price Action - 2026-06-03 13:45 GMT



Manufacturing PMI (Jun)

Manufacturing PMI (Jun)

Release Date	Actual	Forecast	Previous
2026-05-21	55.30	53.80	54.50
2026-05-21	55.30	53.80	54.50
2026-05-21	55.30	53.80	54.50
2026-06-01	55.10	55.30	54.50
2026-06-01	55.10	55.30	54.50
2026-06-01	55.10	55.30	54.50

Manufacturing PMI (Jun)

C:USDJPY

C:USDJPY Price Action - 2026-05-21 13:45 GMT



- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0321
Spread: 0.01100
Pre-ATR Volatility: 0.0880

Volatility Unit (ATR*1.5+spread): 0.0592
Max Movement: 0.37x
Min Movement: 3.38x

Manufacturing PMI (Jun) | Actual: 55.30 | Forecast: 53.80 | Previous: 54.50

C:USDJPY Price Action - 2026-06-01 13:45 GMT



- ✖ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0278
Spread: 0.01200
Pre-ATR Volatility: 0.1120

Volatility Unit (ATR*1.5+spread): 0.0537
Max Movement: 0.84x
Min Movement: 2.68x

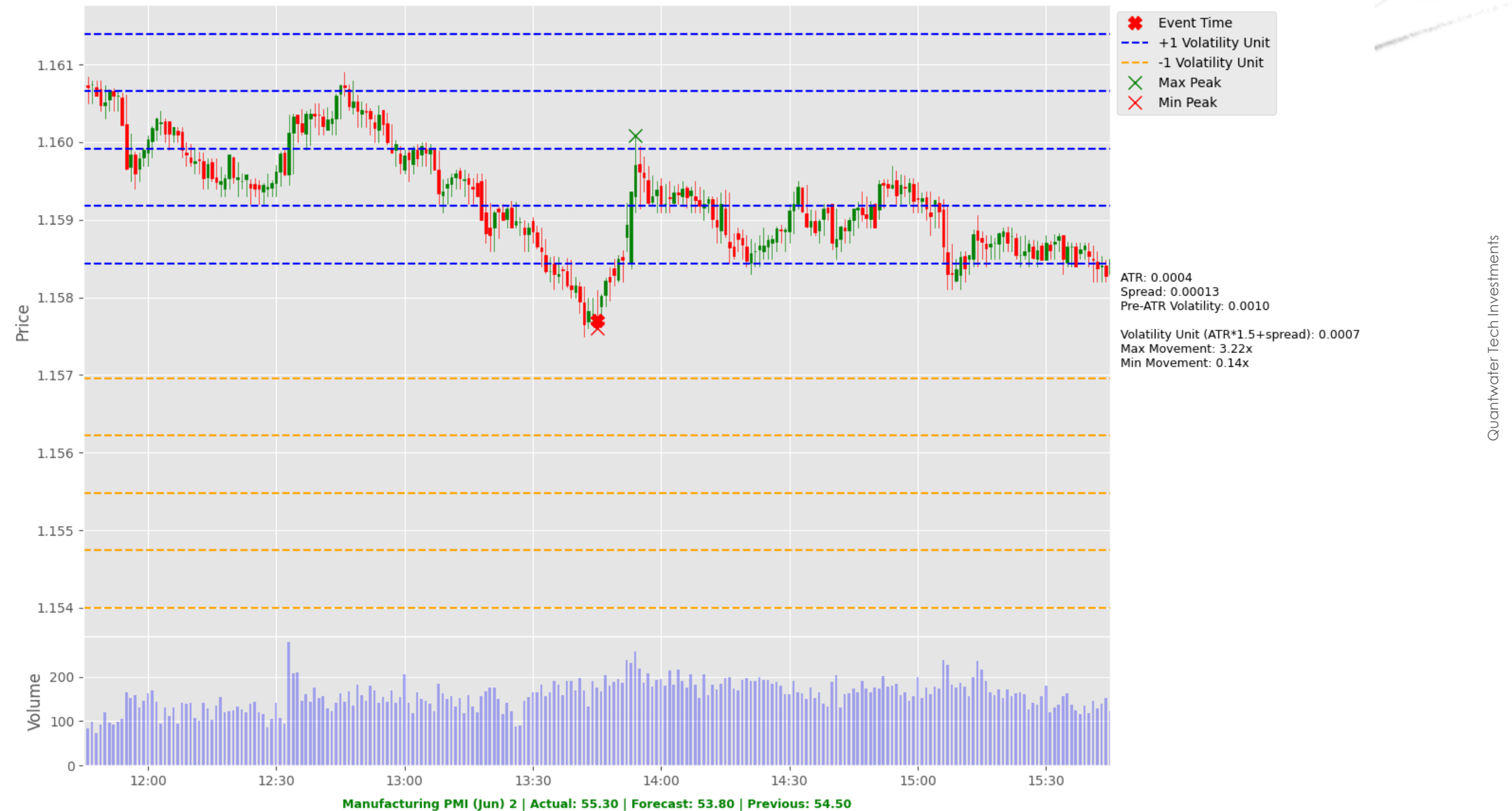
Event Summary:
Avg Volatility Unit: 0.0592
Avg Max Movement: 0.37x
Avg Min Movement: 3.38x
Avg Pre-ATR Volatility: 0.0880

Manufacturing PMI (Jun) | Actual: 55.10 | Forecast: 55.30 | Previous: 54.50

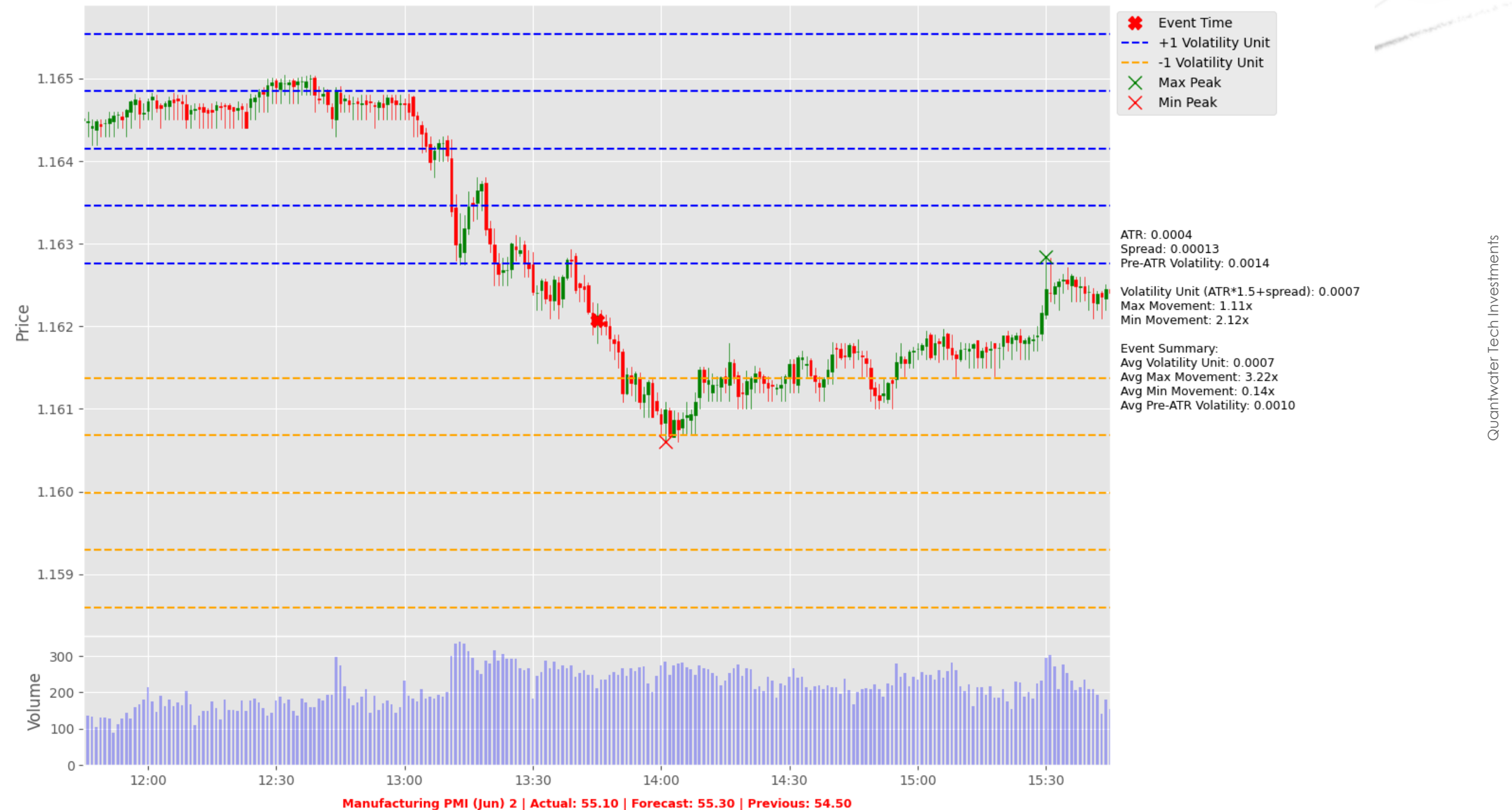
Manufacturing PMI (Jun)

C:EURUSD

C:EURUSD Price Action - 2026-05-21 13:45 GMT



C:EURUSD Price Action - 2026-06-01 13:45 GMT



New Home Sales (May)

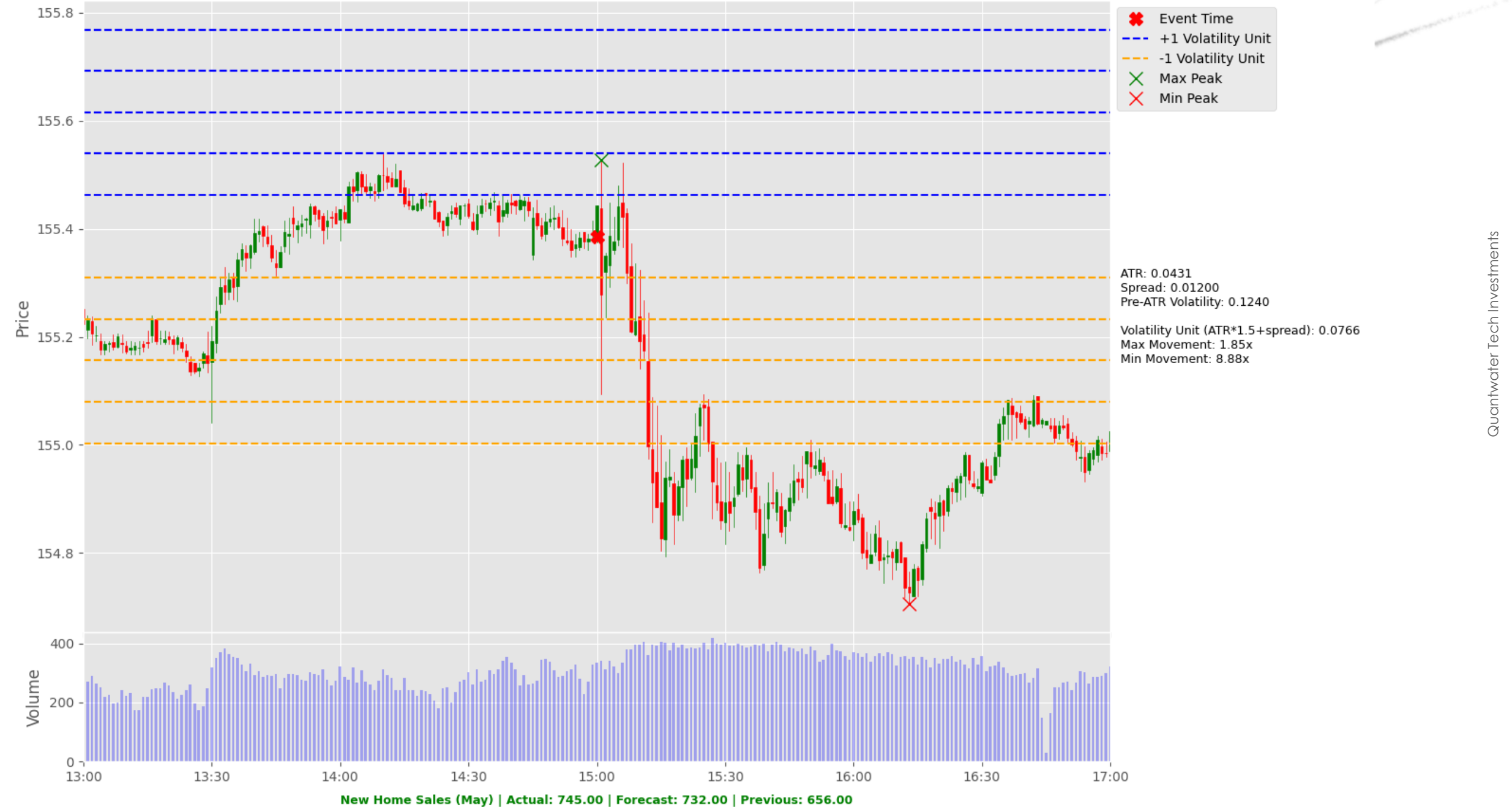
New Home Sales (May)

Release Date	Actual	Forecast	Previous
2026-02-20	745.00	732.00	656.00
2026-02-20	758.00	NA	737.00
2026-03-19	587.00	722.00	712.00
2026-05-05	682.00	652.00	635.00
2026-05-05	635.00	NA	583.00
2026-05-28	622.00	661.00	663.00

New Home Sales (May)

C:USDJPY

C:USDJPY Price Action - 2026-02-20 15:00 GMT

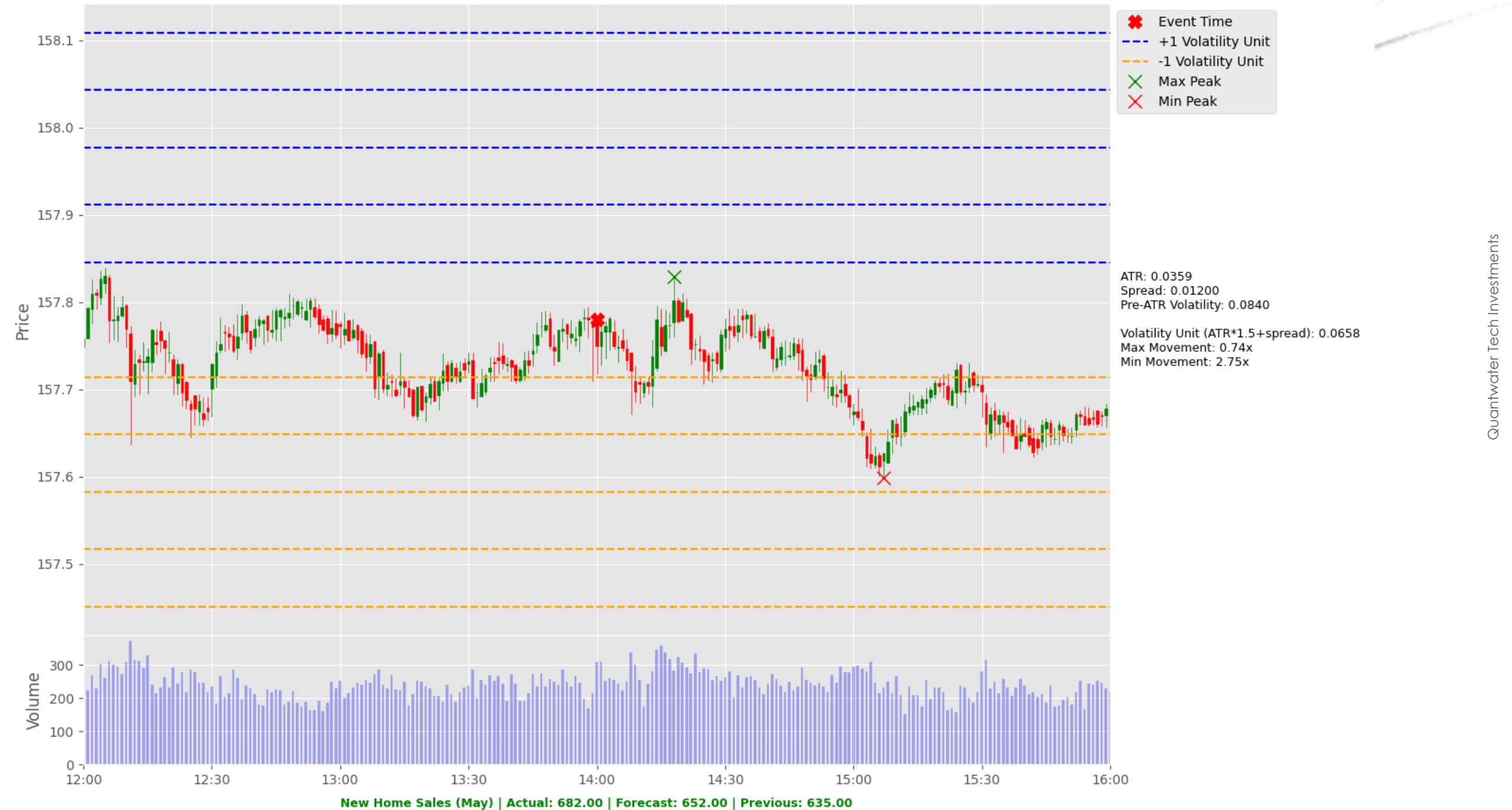


C:USDJPY Price Action - 2026-03-19 14:00 GMT

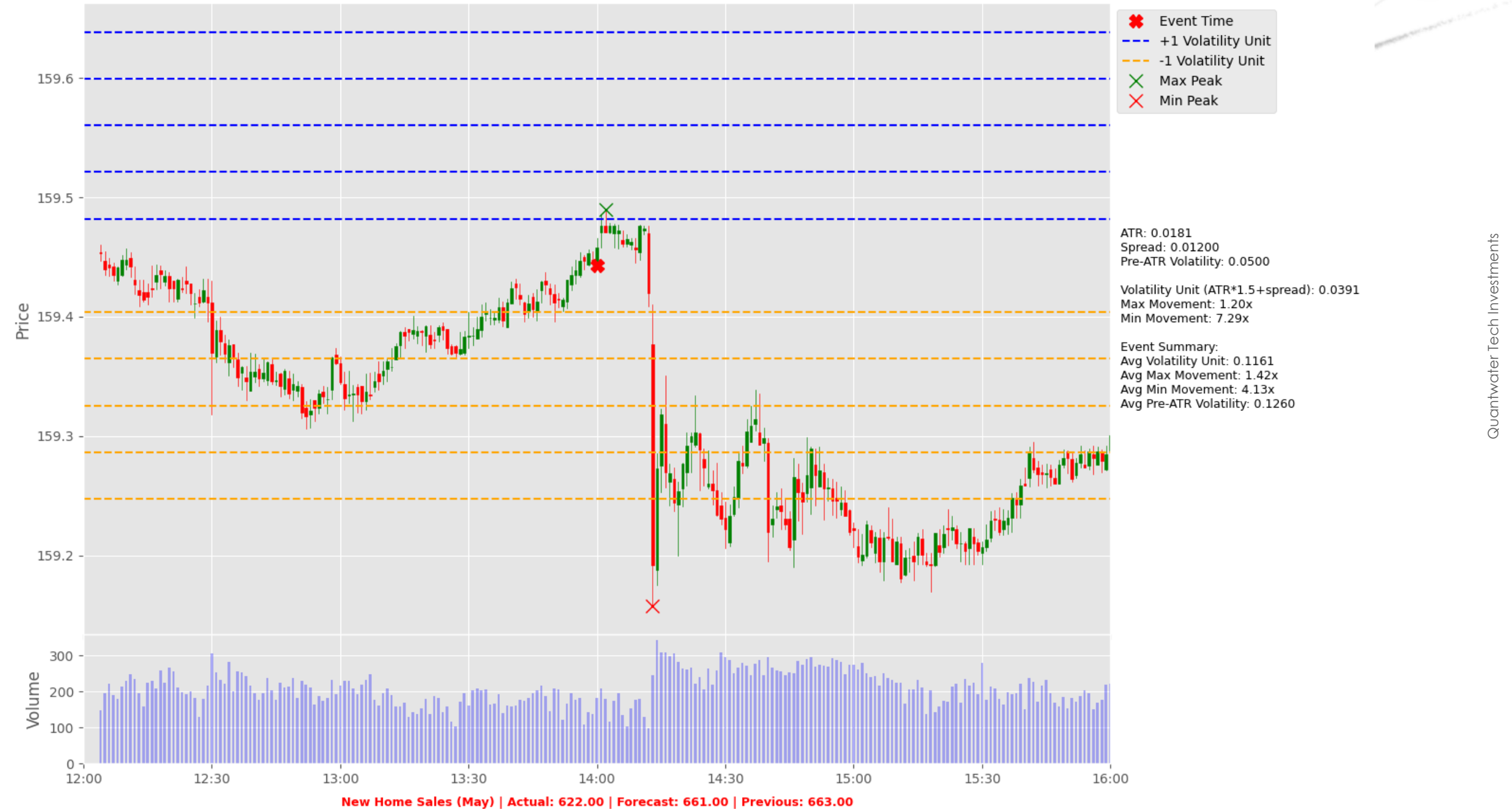


New Home Sales (May) | Actual: 587.00 | Forecast: 722.00 | Previous: 712.00

C:USDJPY Price Action - 2026-05-05 14:00 GMT



C:USDJPY Price Action - 2026-05-28 14:00 GMT



New Home Sales (May)

C:EURUSD

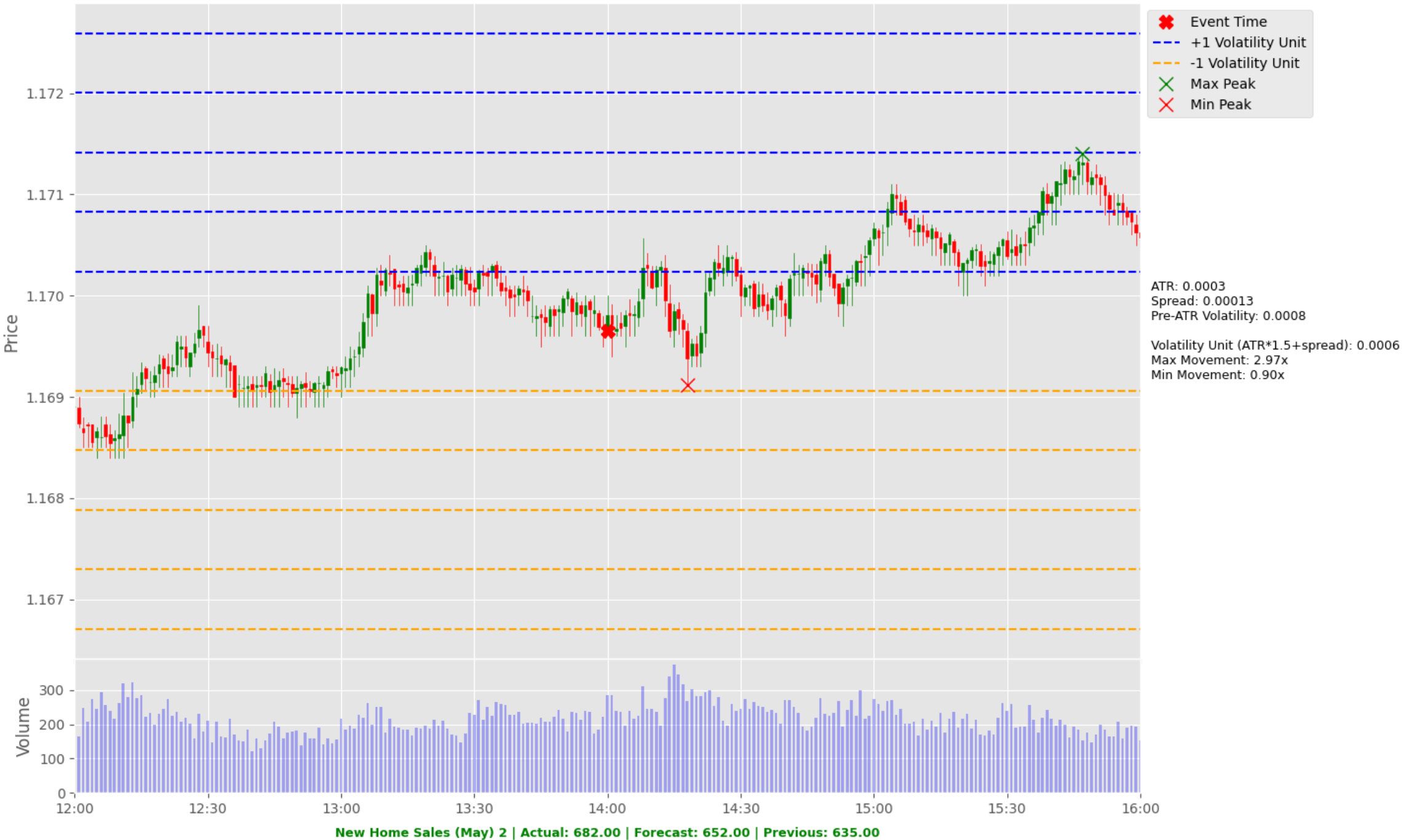
C:EURUSD Price Action - 2026-02-20 15:00 GMT



C:EURUSD Price Action - 2026-03-19 14:00 GMT



C:EURUSD Price Action - 2026-05-05 14:00 GMT



C:EURUSD Price Action - 2026-05-28 14:00 GMT



New Home Sales (May) 2 | Actual: 622.00 | Forecast: 661.00 | Previous: 663.00

Core PCE Price Index (YoY) (May)

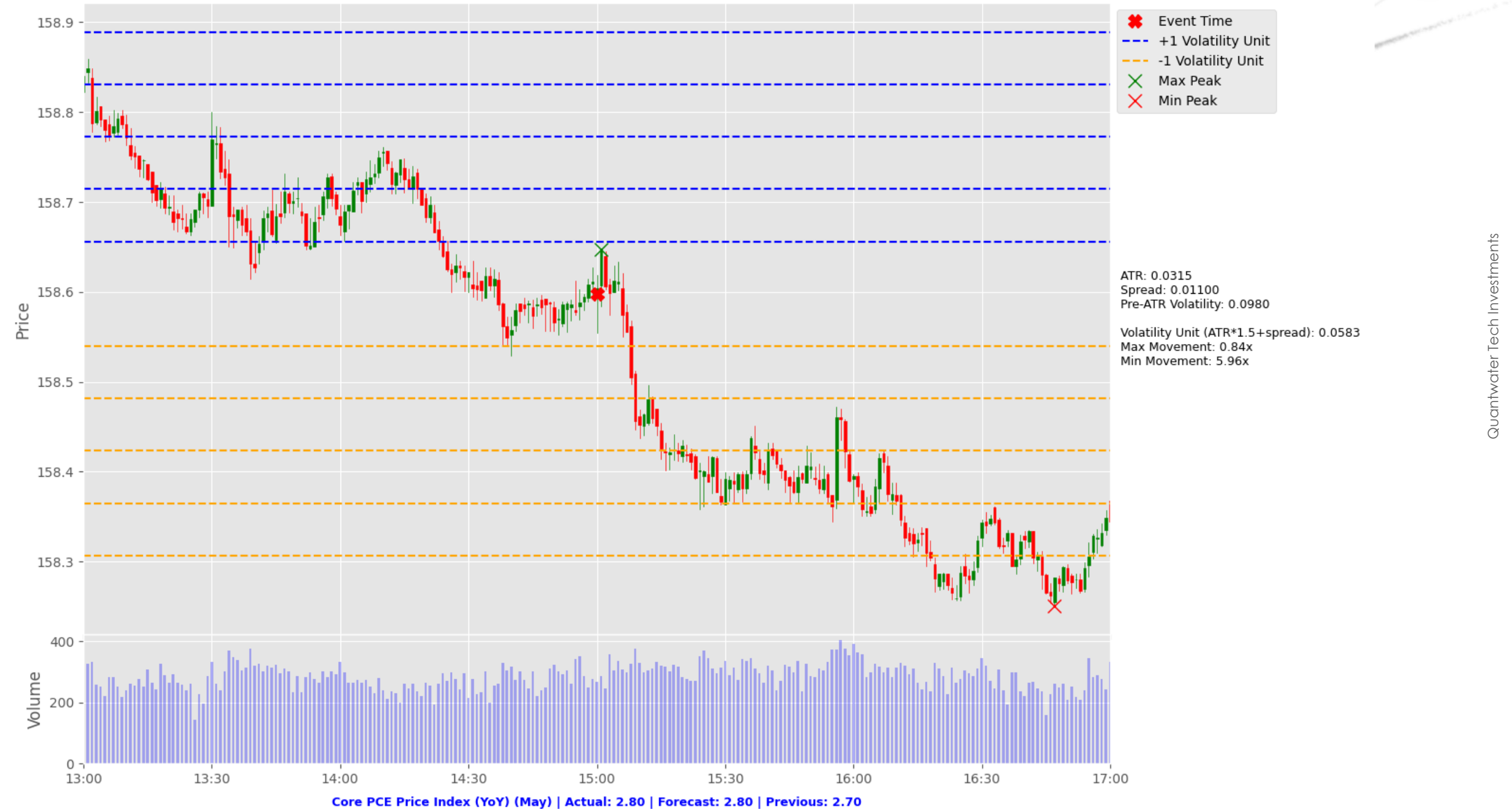
Core PCE Price Index (YoY) (May)

Release Date	Actual	Forecast	Previous
2026-01-22	2.80	2.80	2.70
2026-02-20	3.00	2.90	2.80
2026-03-13	3.10	3.10	3.00
2026-04-09	3.00	3.00	3.10
2026-04-30	3.20	3.20	3.00
2026-05-28	3.30	3.30	3.20

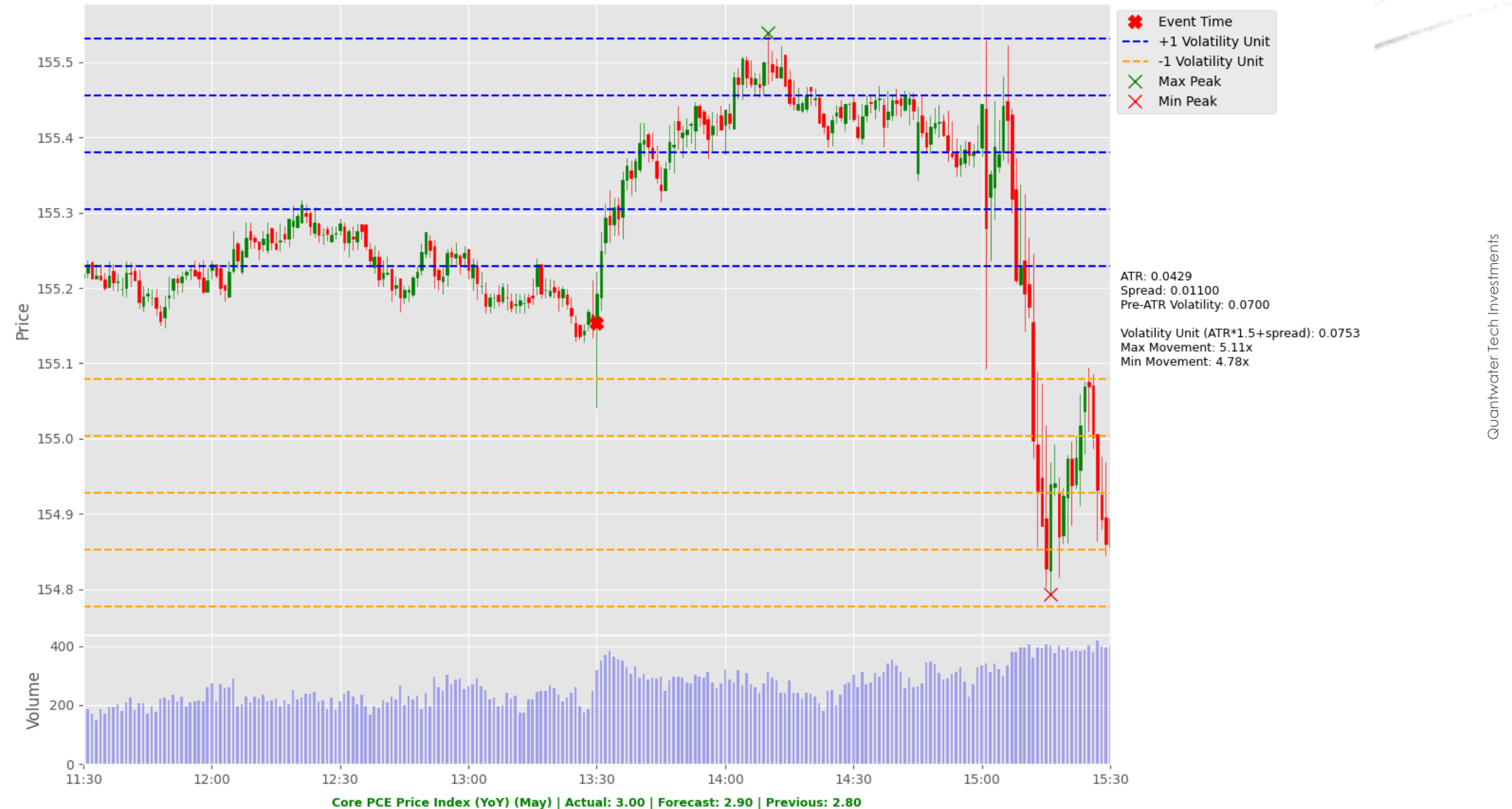
Core PCE Price Index (YoY) (May)

C:USDJPY

C:USDJPY Price Action - 2026-01-22 15:00 GMT



C:USDJPY Price Action - 2026-02-20 13:30 GMT



C:USDJPY Price Action - 2026-03-13 12:30 GMT

- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0344
Spread: 0.01200
Pre-ATR Volatility: 0.1170

Volatility Unit (ATR*1.5+spread): 0.0636
Max Movement: 0.58x
Min Movement: 6.11x

Price

Volume



Core PCE Price Index (YoY) (May) | Actual: 3.10 | Forecast: 3.10 | Previous: 3.00

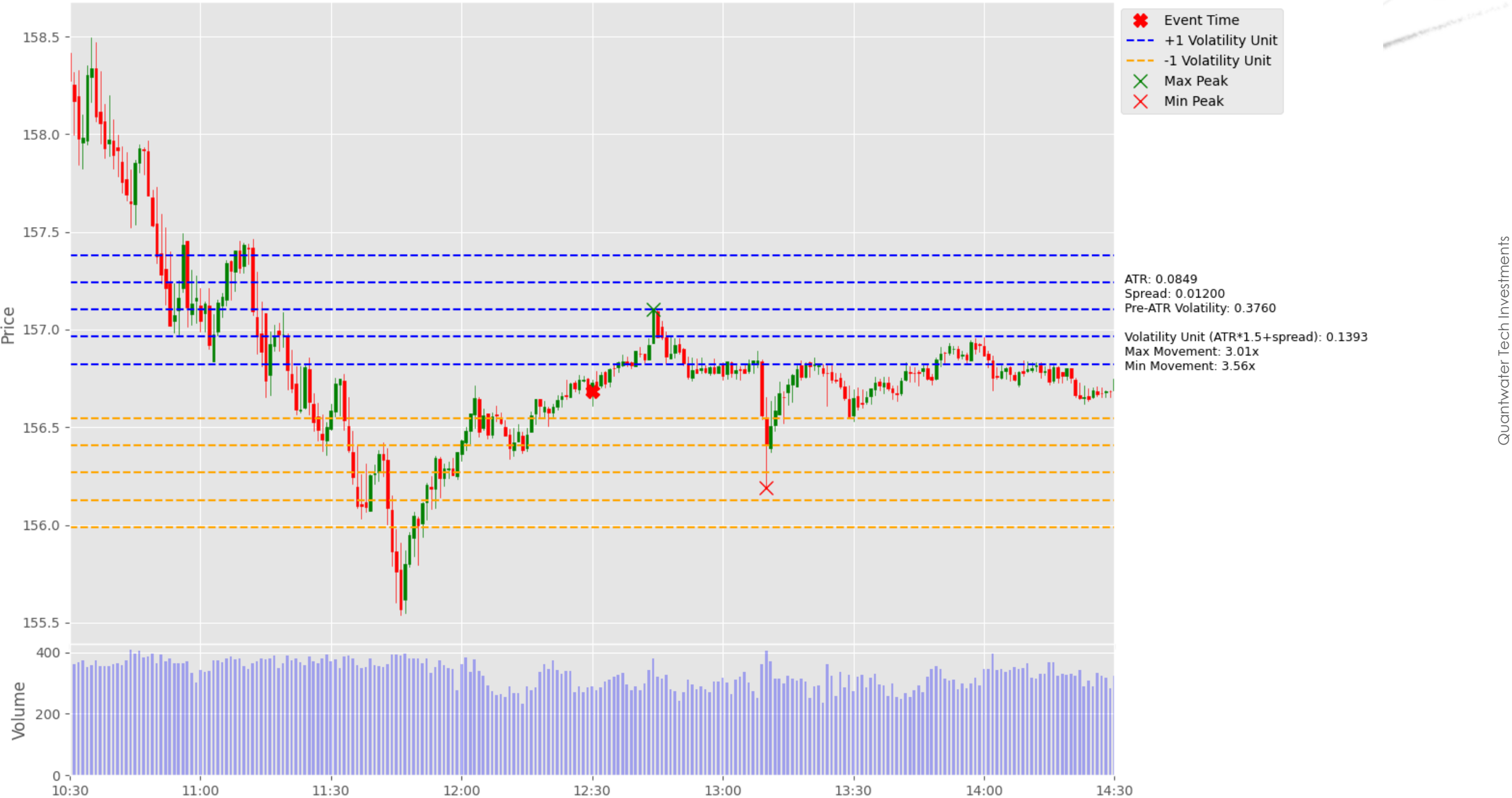
C:USDJPY Price Action - 2026-04-09 12:30 GMT



- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0292
Spread: 0.01200
Pre-ATR Volatility: 0.1310
Volatility Unit (ATR*1.5+spread): 0.0558
Max Movement: 2.47x
Min Movement: 2.22x

C:USDJPY Price Action - 2026-04-30 12:30 GMT



Core PCE Price Index (YoY) (May) | Actual: 3.20 | Forecast: 3.20 | Previous: 3.00

C:USDJPY Price Action - 2026-05-28 12:30 GMT



Core PCE Price Index (YoY) (May)

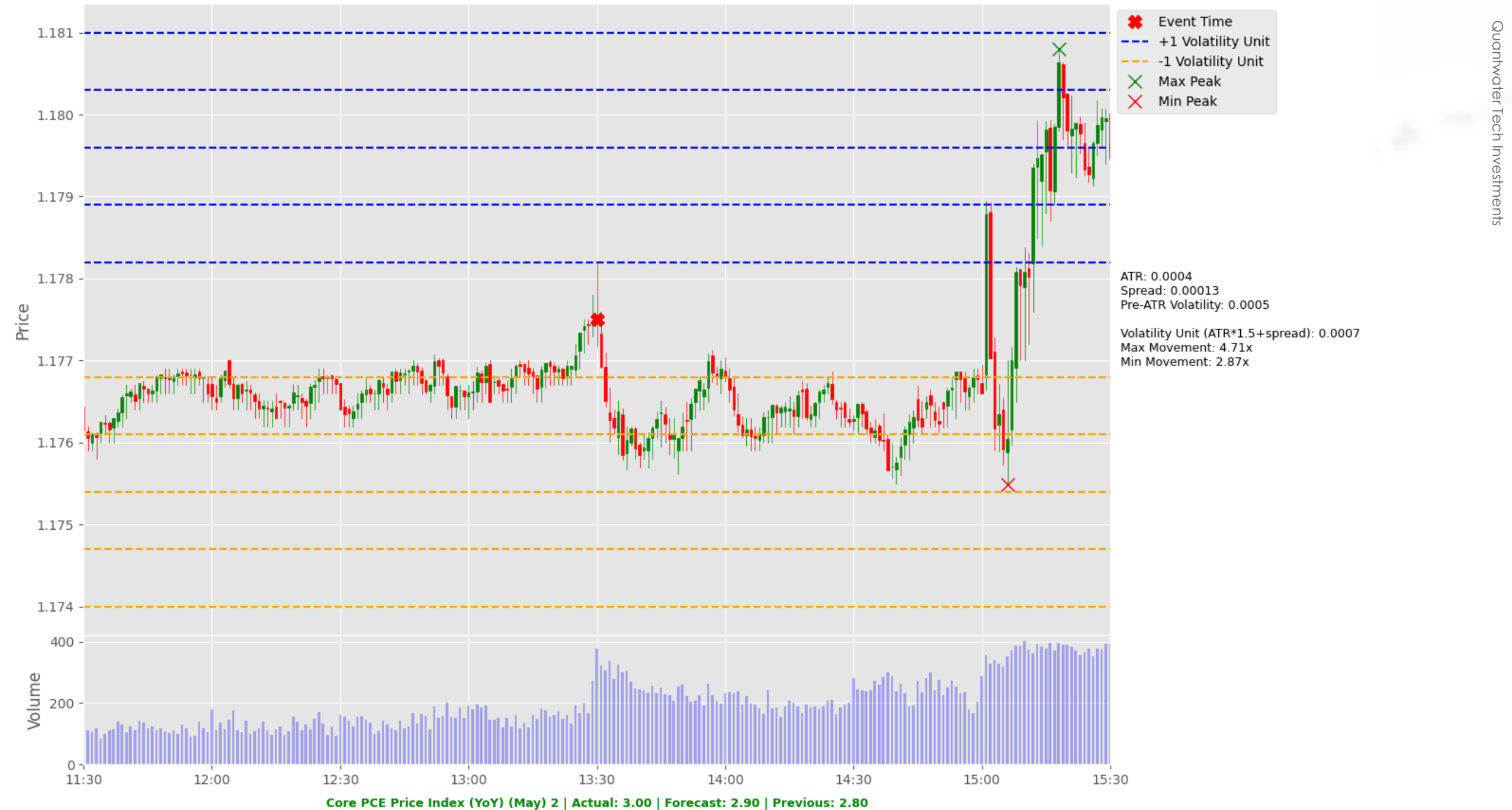
C:EURUSD

C:EURUSD Price Action - 2026-01-22 15:00 GMT

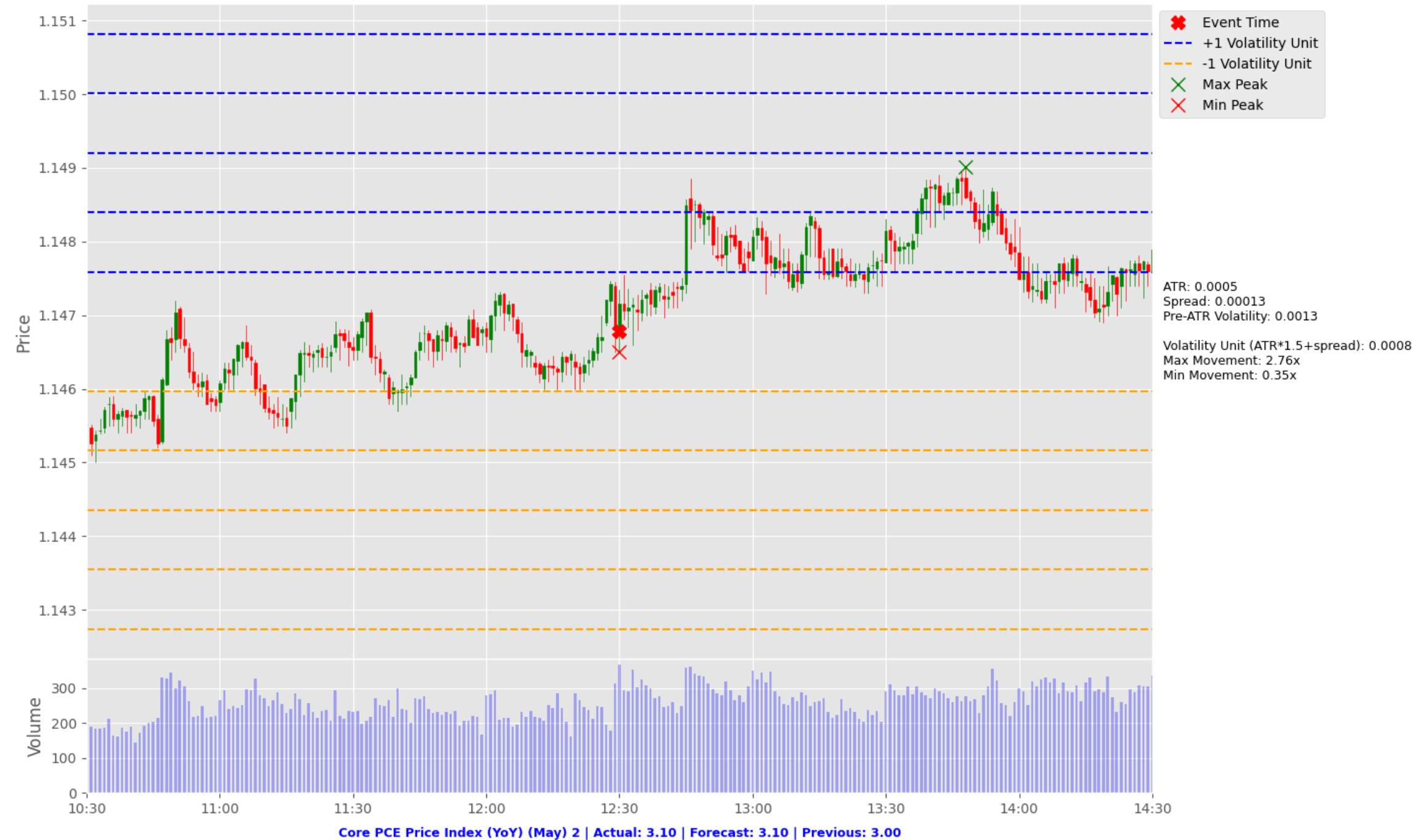


Core PCE Price Index (YoY) (May) 2 | Actual: 2.80 | Forecast: 2.80 | Previous: 2.70

C:EURUSD Price Action - 2026-02-20 13:30 GMT



C:EURUSD Price Action - 2026-03-13 12:30 GMT



C:EURUSD Price Action - 2026-04-09 12:30 GMT

- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0003
Spread: 0.00013
Pre-ATR Volatility: 0.0007
Volatility Unit (ATR*1.5+spread): 0.0006
Max Movement: 1.72x
Min Movement: 1.02x



Core PCE Price Index (YoY) (May) 2 | Actual: 3.00 | Forecast: 3.00 | Previous: 3.10

C:EURUSD Price Action - 2026-04-30 12:30 GMT



C:EURUSD Price Action - 2026-05-28 12:30 GMT

Price

Volume



- Event Time
- +1 Volatility Unit
- 1 Volatility Unit
- Max Peak
- Min Peak

ATR: 0.0004
Spread: 0.00013
Pre-ATR Volatility: 0.0013

Volatility Unit (ATR*1.5+spread): 0.0007
Max Movement: 5.56x
Min Movement: 0.08x

Event Summary:
Avg Volatility Unit: 0.0007
Avg Max Movement: 3.19x
Avg Min Movement: 1.36x
Avg Pre-ATR Volatility: 0.0009

Core PCE Price Index (MoM)

(May)

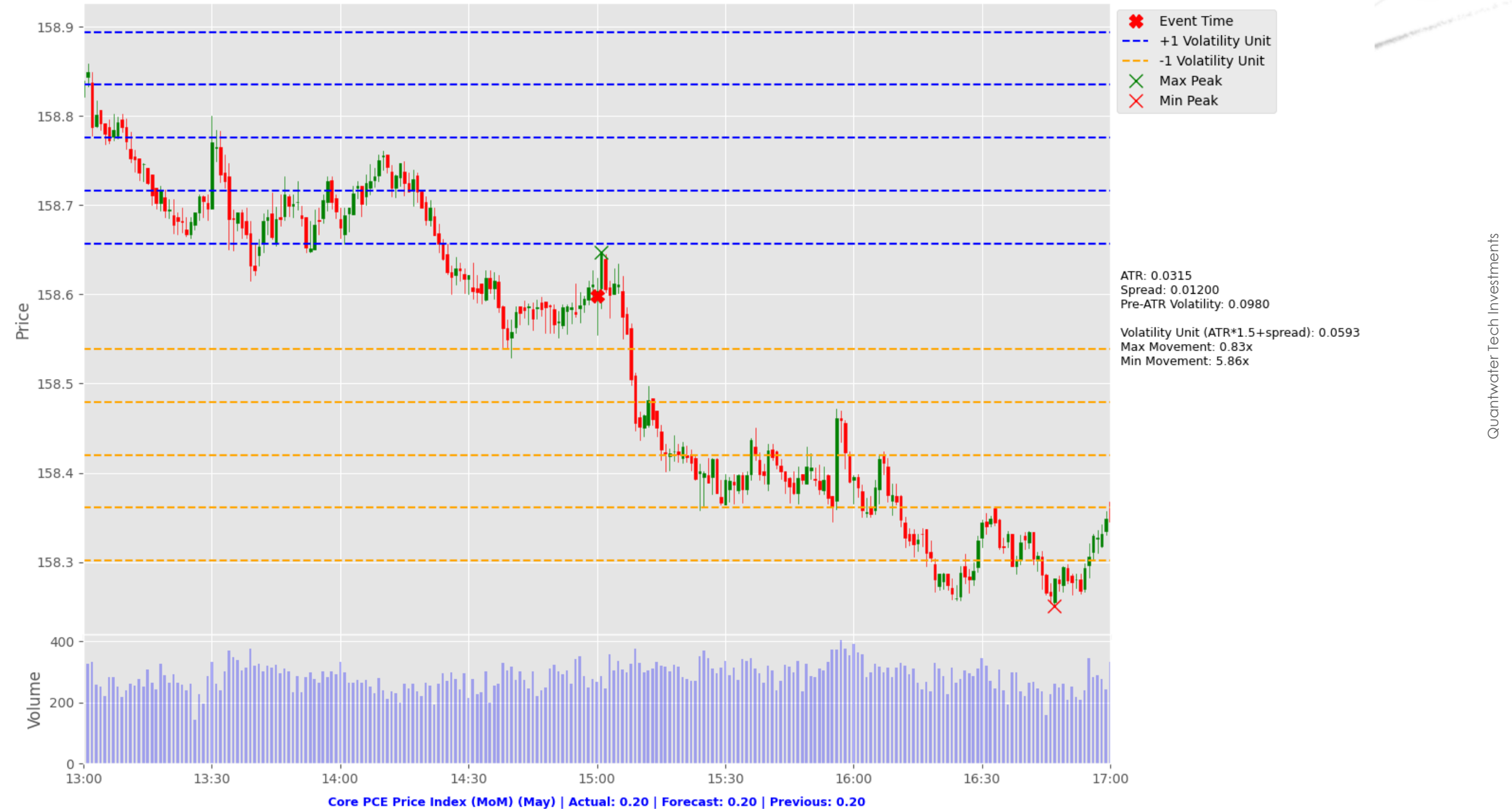
Core PCE Price Index (MoM) (May)

Release Date	Actual	Forecast	Previous
2026-01-22	0.20	0.20	0.20
2026-02-20	0.40	0.30	0.20
2026-03-13	0.40	0.40	0.40
2026-04-09	0.40	0.40	0.40
2026-04-30	0.30	0.30	0.40
2026-05-28	0.20	0.30	0.30

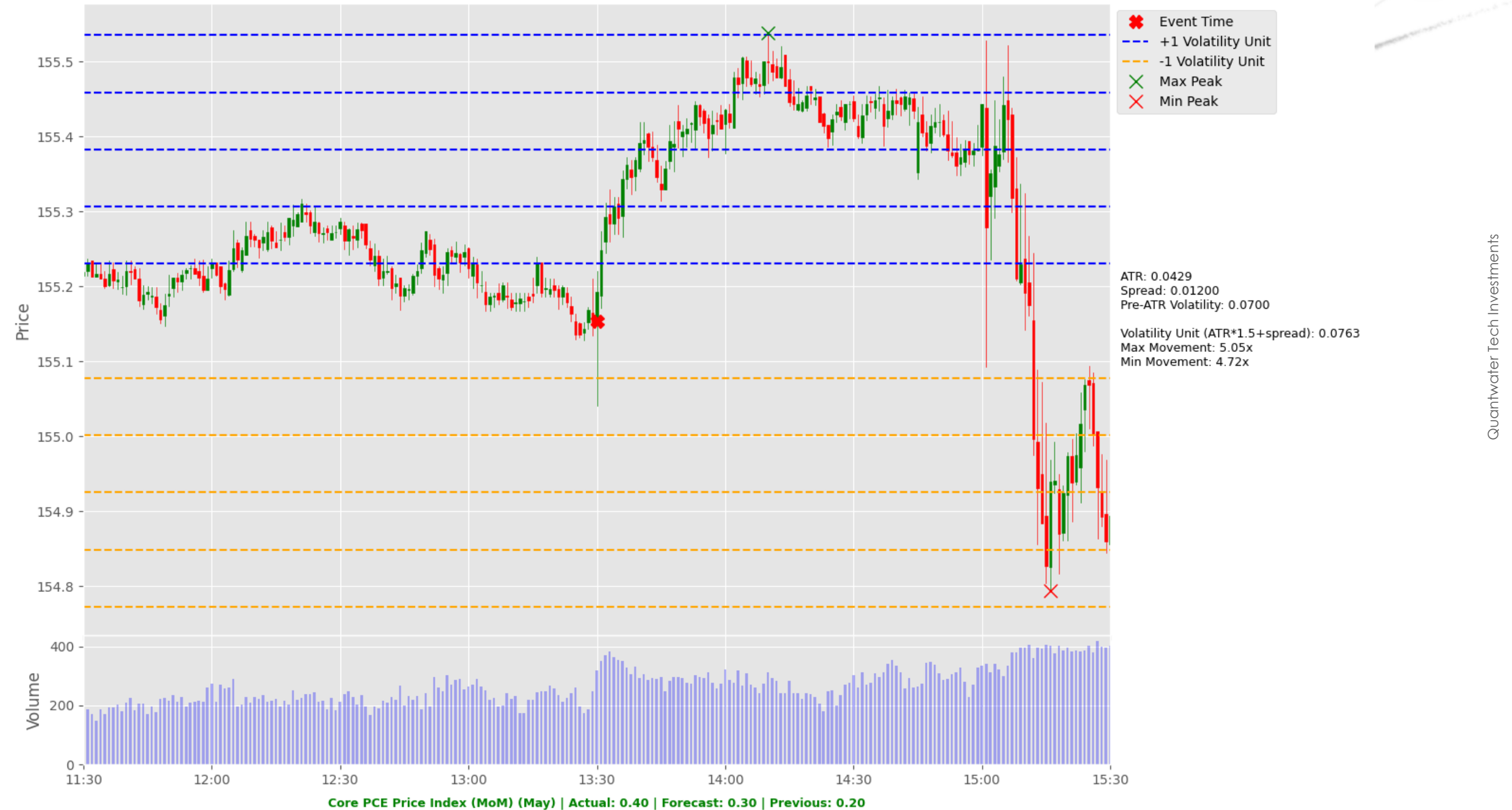
Core PCE Price Index (MoM) (May)

C:USDJPY

C:USDJPY Price Action - 2026-01-22 15:00 GMT



C:USDJPY Price Action - 2026-02-20 13:30 GMT



C:USDJPY Price Action - 2026-03-13 12:30 GMT

- ✖ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0344
Spread: 0.01300
Pre-ATR Volatility: 0.1170

Volatility Unit (ATR*1.5+spread): 0.0646
Max Movement: 0.57x
Min Movement: 6.02x

Price

Volume

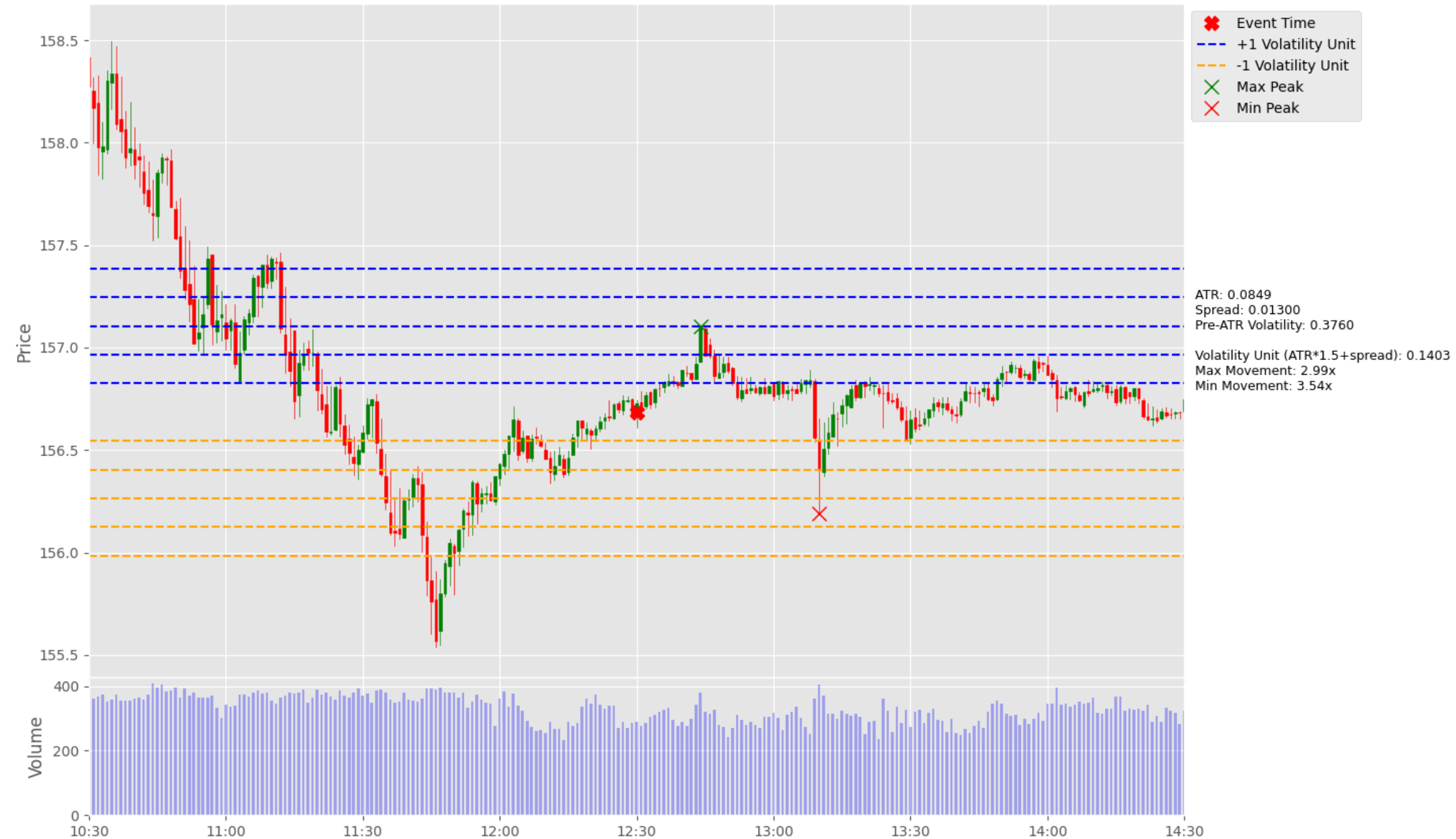


Core PCE Price Index (MoM) (May) | Actual: 0.40 | Forecast: 0.40 | Previous: 0.40

C:USDJPY Price Action - 2026-04-09 12:30 GMT



C:USDJPY Price Action - 2026-04-30 12:30 GMT



C:USDJPY Price Action - 2026-05-28 12:30 GMT



Core PCE Price Index (MoM) (May) | Actual: 0.20 | Forecast: 0.30 | Previous: 0.30

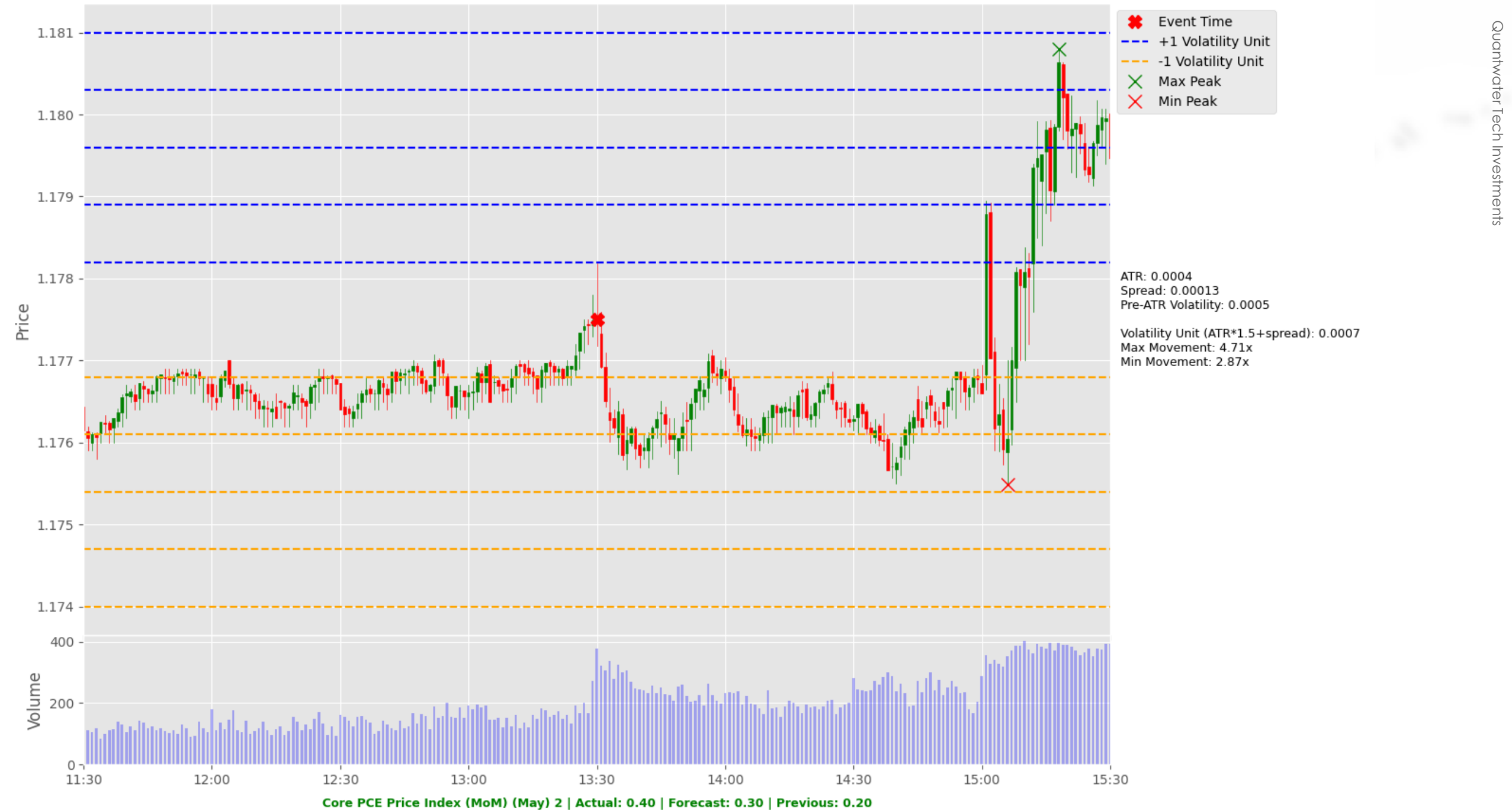
Core PCE Price Index (MoM) (May)

C:EURUSD

C:EURUSD Price Action - 2026-01-22 15:00 GMT



C:EURUSD Price Action - 2026-02-20 13:30 GMT



C:EURUSD Price Action - 2026-03-13 12:30 GMT

- Event Time
- +1 Volatility Unit
- 1 Volatility Unit
- Max Peak
- Min Peak

ATR: 0.0005
Spread: 0.00013
Pre-ATR Volatility: 0.0013
Volatility Unit (ATR*1.5+spread): 0.0008
Max Movement: 2.76x
Min Movement: 0.35x

Price

Volume



Core PCE Price Index (MoM) (May) 2 | Actual: 0.40 | Forecast: 0.40 | Previous: 0.40

C:EURUSD Price Action - 2026-04-09 12:30 GMT

- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

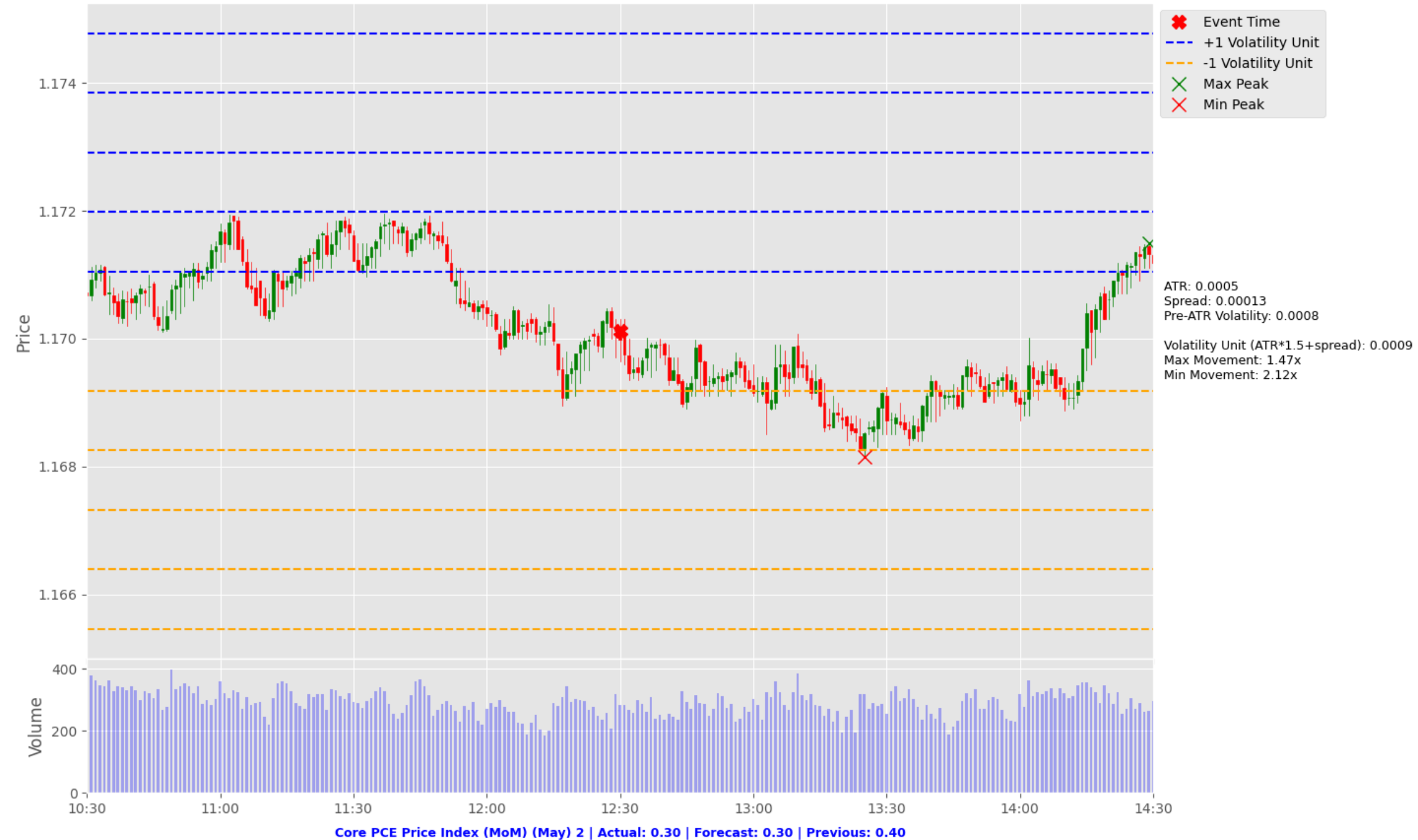
ATR: 0.0003
Spread: 0.00013
Pre-ATR Volatility: 0.0007

Volatility Unit (ATR*1.5+spread): 0.0006
Max Movement: 1.72x
Min Movement: 1.02x



Core PCE Price Index (MoM) (May) 2 | Actual: 0.40 | Forecast: 0.40 | Previous: 0.40

C:EURUSD Price Action - 2026-04-30 12:30 GMT



C:EURUSD Price Action - 2026-05-28 12:30 GMT

Price

Volume



- Event Time
- +1 Volatility Unit
- 1 Volatility Unit
- Max Peak
- Min Peak

ATR: 0.0004
Spread: 0.00013
Pre-ATR Volatility: 0.0013

Volatility Unit (ATR*1.5+spread): 0.0007
Max Movement: 5.56x
Min Movement: 0.08x

Event Summary:
Avg Volatility Unit: 0.0007
Avg Max Movement: 3.19x
Avg Min Movement: 1.36x
Avg Pre-ATR Volatility: 0.0009

Core PCE Price Index (MoM) (May) 2 | Actual: 0.20 | Forecast: 0.30 | Previous: 0.30

GDP (QoQ) (Q1)

GDP (QoQ) (Q1)

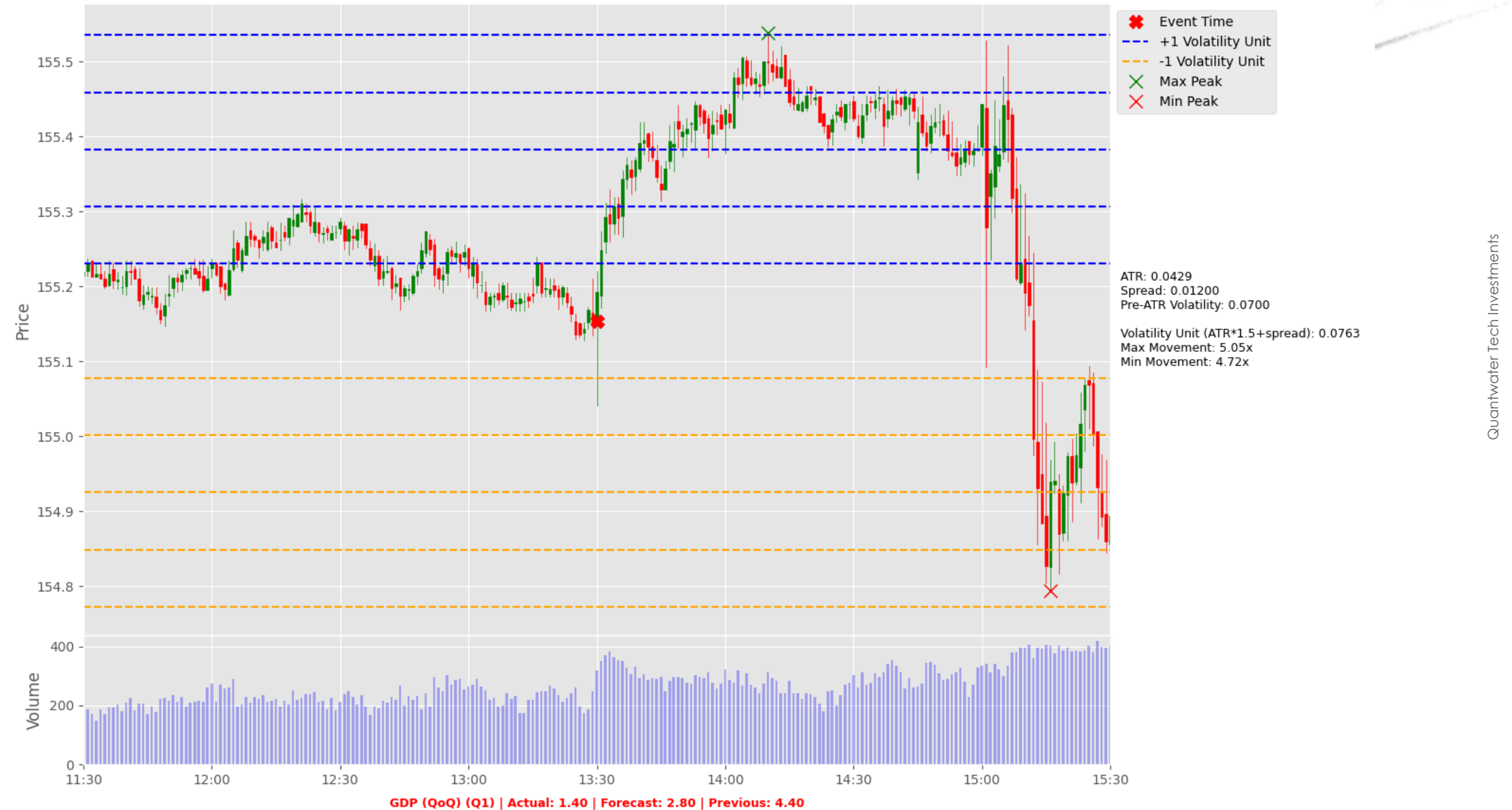
Release Date	Actual	Forecast	Previous
2026-01-22	4.40	4.30	3.80
2026-02-20	1.40	2.80	4.40
2026-03-13	0.70	1.40	4.40
2026-04-09	0.50	0.70	4.40
2026-04-30	2.00	2.20	0.50
2026-05-28	1.60	2.00	0.50

GDP (QoQ) (Q1)
C:USDJPY

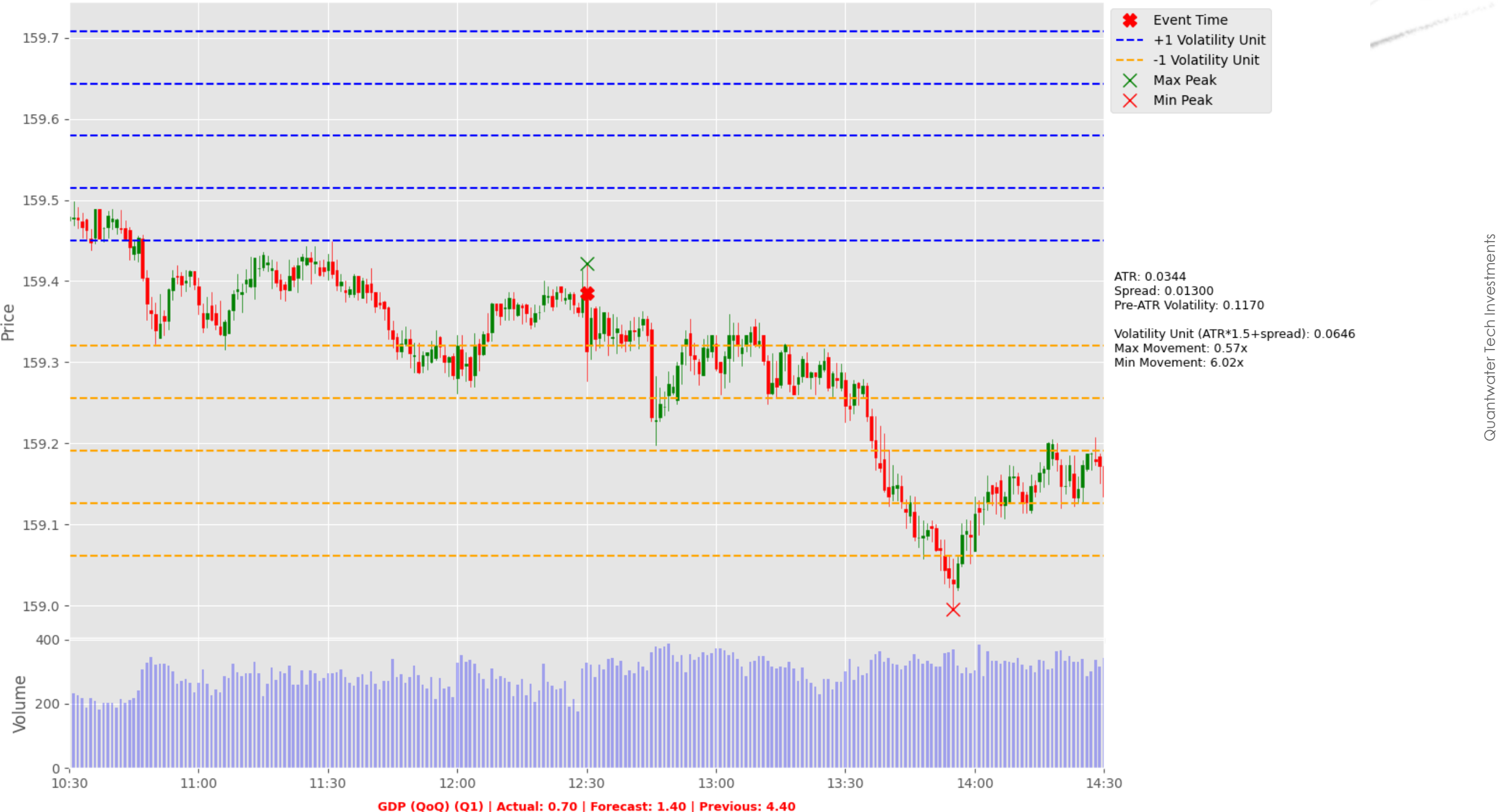
C:USDJPY Price Action - 2026-01-22 13:30 GMT



C:USDJPY Price Action - 2026-02-20 13:30 GMT



C:USDJPY Price Action - 2026-03-13 12:30 GMT



C:USDJPY Price Action - 2026-04-09 12:30 GMT



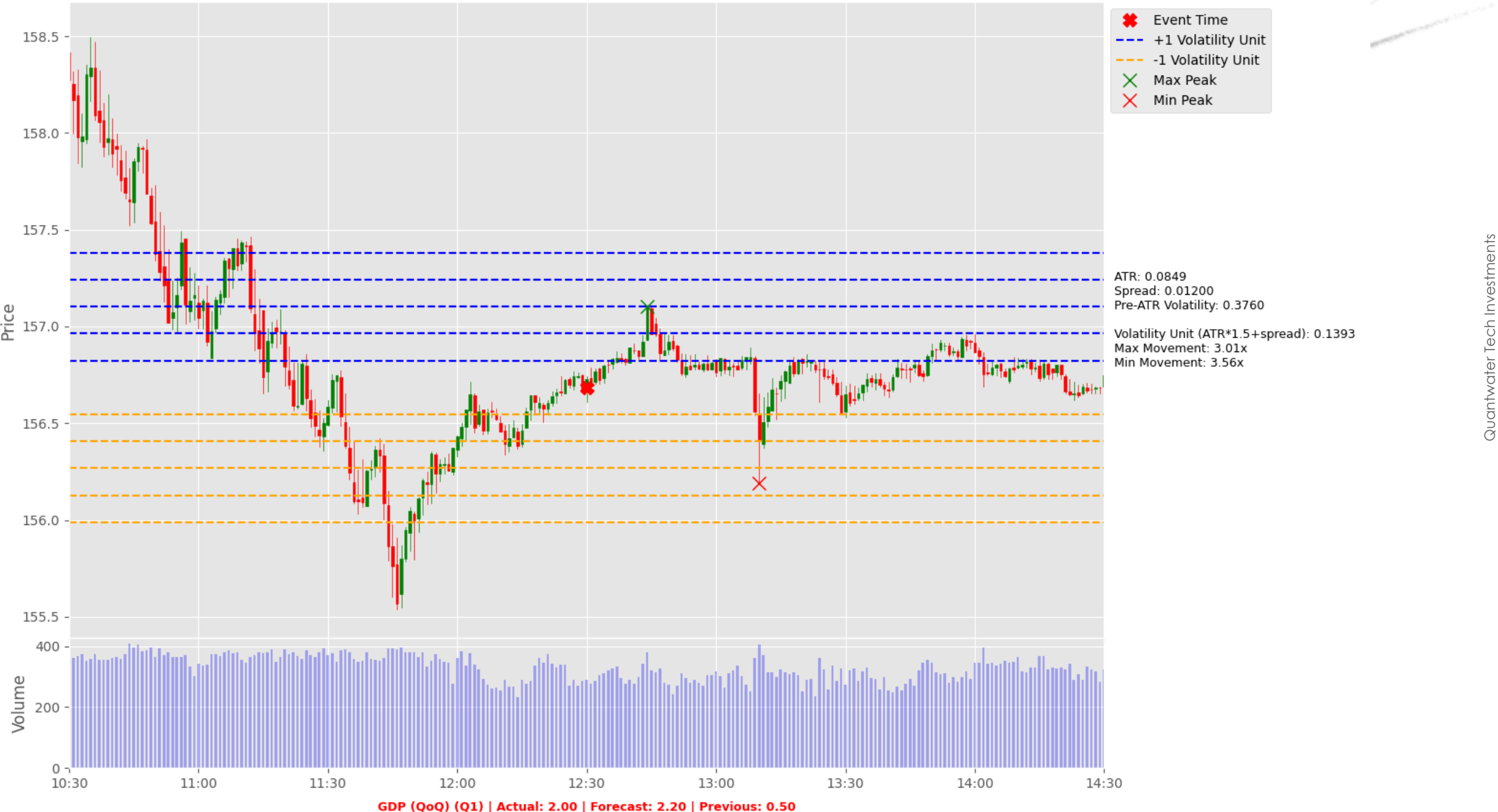
- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0292
Spread: 0.01200
Pre-ATR Volatility: 0.1310

Volatility Unit (ATR*1.5+spread): 0.0558
Max Movement: 2.47x
Min Movement: 2.22x

GDP (QoQ) (Q1) | Actual: 0.50 | Forecast: 0.70 | Previous: 4.40

C:USDJPY Price Action - 2026-04-30 12:30 GMT



C:USDJPY Price Action - 2026-05-28 12:30 GMT



- ✱ Event Time
- - - +1 Volatility Unit
- - - -1 Volatility Unit
- ✕ Max Peak
- ✕ Min Peak

ATR: 0.0263
Spread: 0.01400
Pre-ATR Volatility: 0.0520

Volatility Unit (ATR*1.5+spread): 0.0534
Max Movement: 1.46x
Min Movement: 4.75x

Event Summary:
Avg Volatility Unit: 0.0791
Avg Max Movement: 2.57x
Avg Min Movement: 4.44x
Avg Pre-ATR Volatility: 0.1638

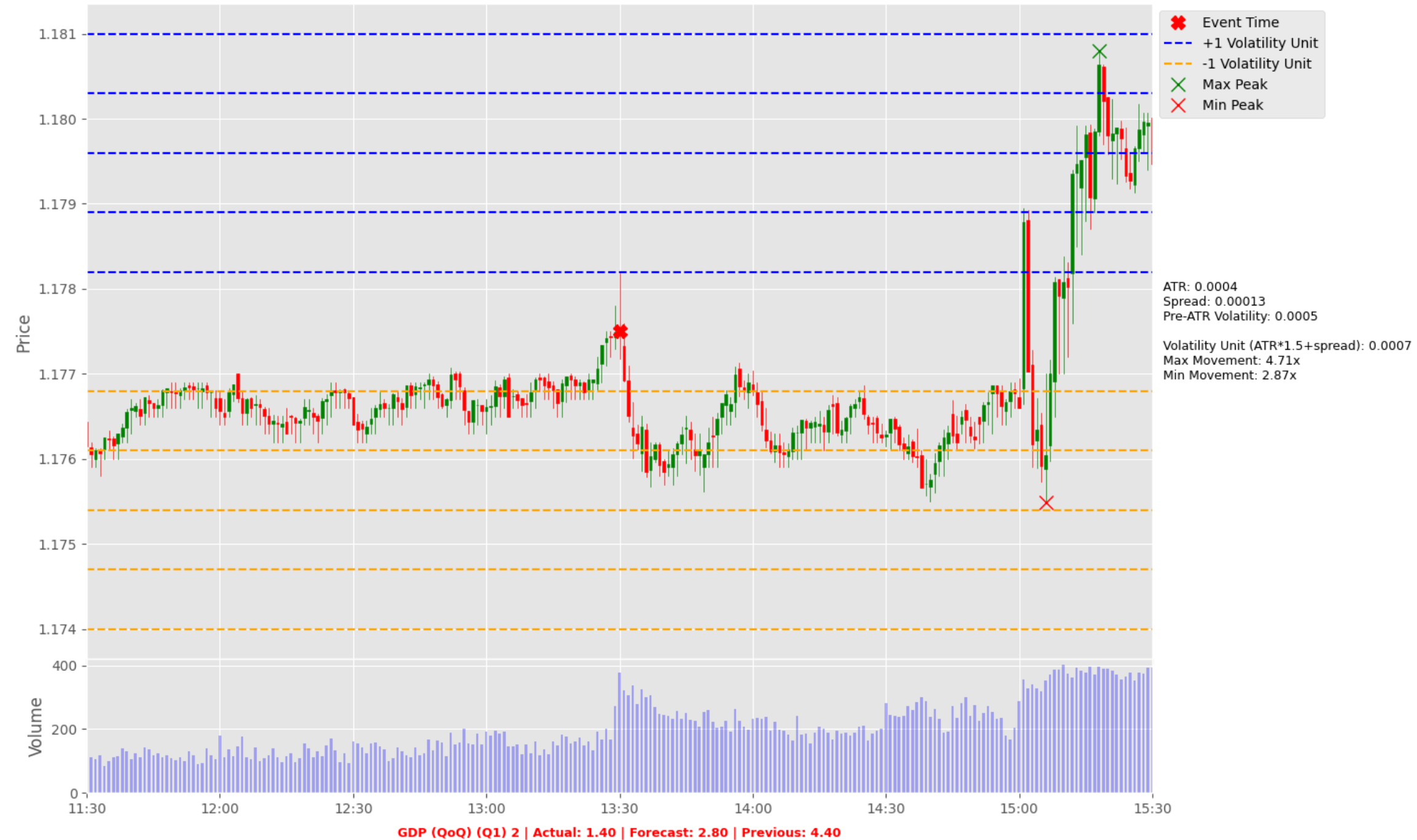
GDP (QoQ) (Q1) | Actual: 1.60 | Forecast: 2.00 | Previous: 0.50

GDP (QoQ) (Q1)
C:EURUSD

C:EURUSD Price Action - 2026-01-22 13:30 GMT



C:EURUSD Price Action - 2026-02-20 13:30 GMT



C:EURUSD Price Action - 2026-03-13 12:30 GMT

- Event Time
- +1 Volatility Unit
- 1 Volatility Unit
- Max Peak
- Min Peak

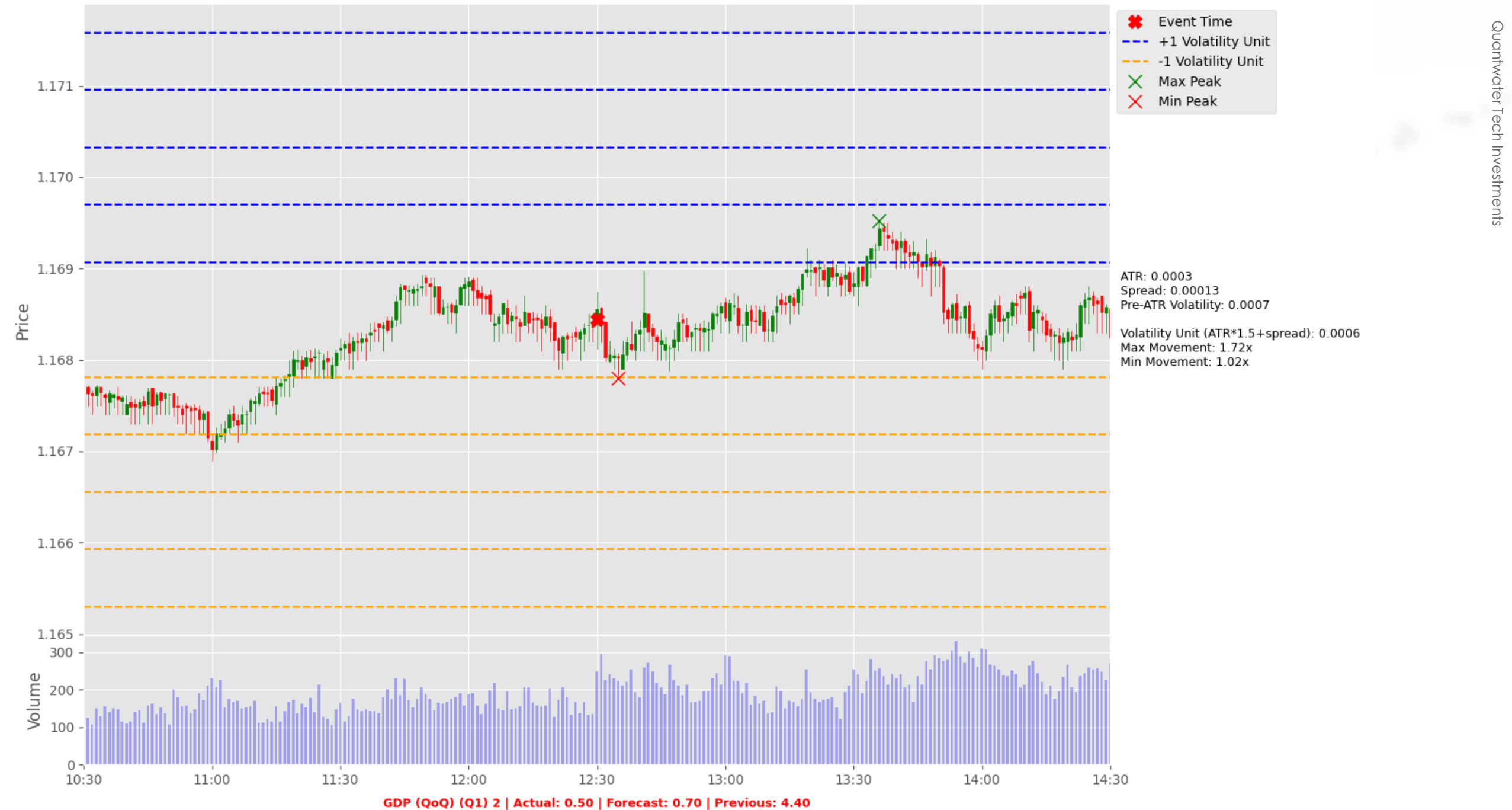
ATR: 0.0005
Spread: 0.00013
Pre-ATR Volatility: 0.0013
Volatility Unit (ATR*1.5+spread): 0.0008
Max Movement: 2.76x
Min Movement: 0.35x

Price

Volume

GDP (QoQ) (Q1) 2 | Actual: 0.70 | Forecast: 1.40 | Previous: 4.40

C:EURUSD Price Action - 2026-04-09 12:30 GMT



C:EURUSD Price Action - 2026-04-30 12:30 GMT



GDP (QoQ) (Q1) 2 | Actual: 2.00 | Forecast: 2.20 | Previous: 0.50

C:EURUSD Price Action - 2026-05-28 12:30 GMT

Price



- Event Time
- +1 Volatility Unit
- 1 Volatility Unit
- Max Peak
- Min Peak

ATR: 0.0004
Spread: 0.00013
Pre-ATR Volatility: 0.0013

Volatility Unit (ATR*1.5+spread): 0.0007
Max Movement: 5.56x
Min Movement: 0.08x

Event Summary:
Avg Volatility Unit: 0.0008
Avg Max Movement: 2.58x
Avg Min Movement: 1.54x
Avg Pre-ATR Volatility: 0.0009

GDP (QoQ) (Q1) 2 | Actual: 1.60 | Forecast: 2.00 | Previous: 0.50

Initial Jobless Claims

Initial Jobless Claims

Release Date	Actual	Forecast	Previous
2026-04-06	225.0	214.0	212.0
2026-05-14	211.0	205.0	199.0
2026-05-21	209.0	210.0	212.0
2026-05-28	215.0	211.0	210.0
2026-07-05	200.0	205.0	190.0
2026-11-06	229.0	220.0	225.0

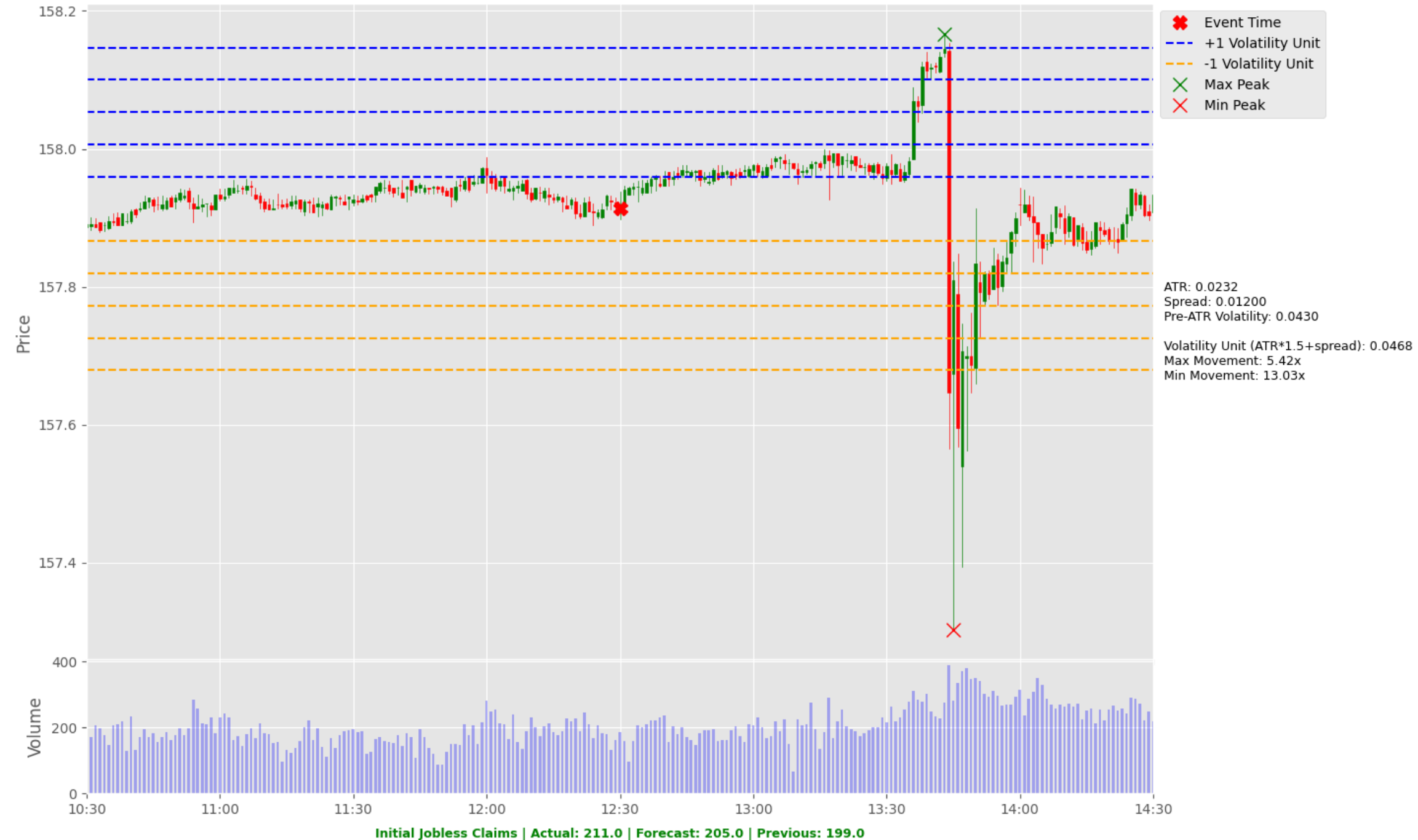
Initial Jobless Claims

C:USDJPY

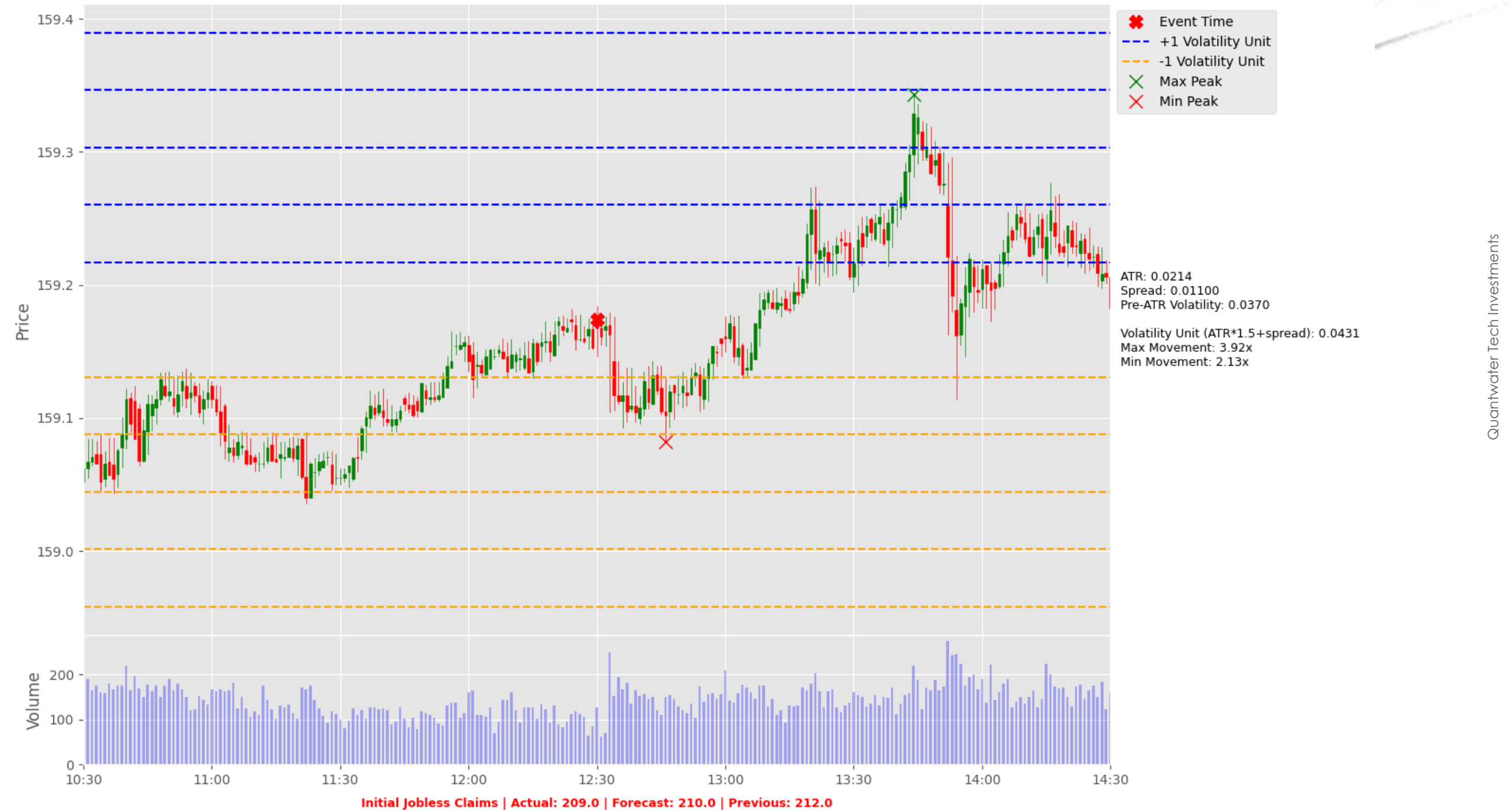
C:USDJPY Price Action - 2026-04-06 12:30 GMT



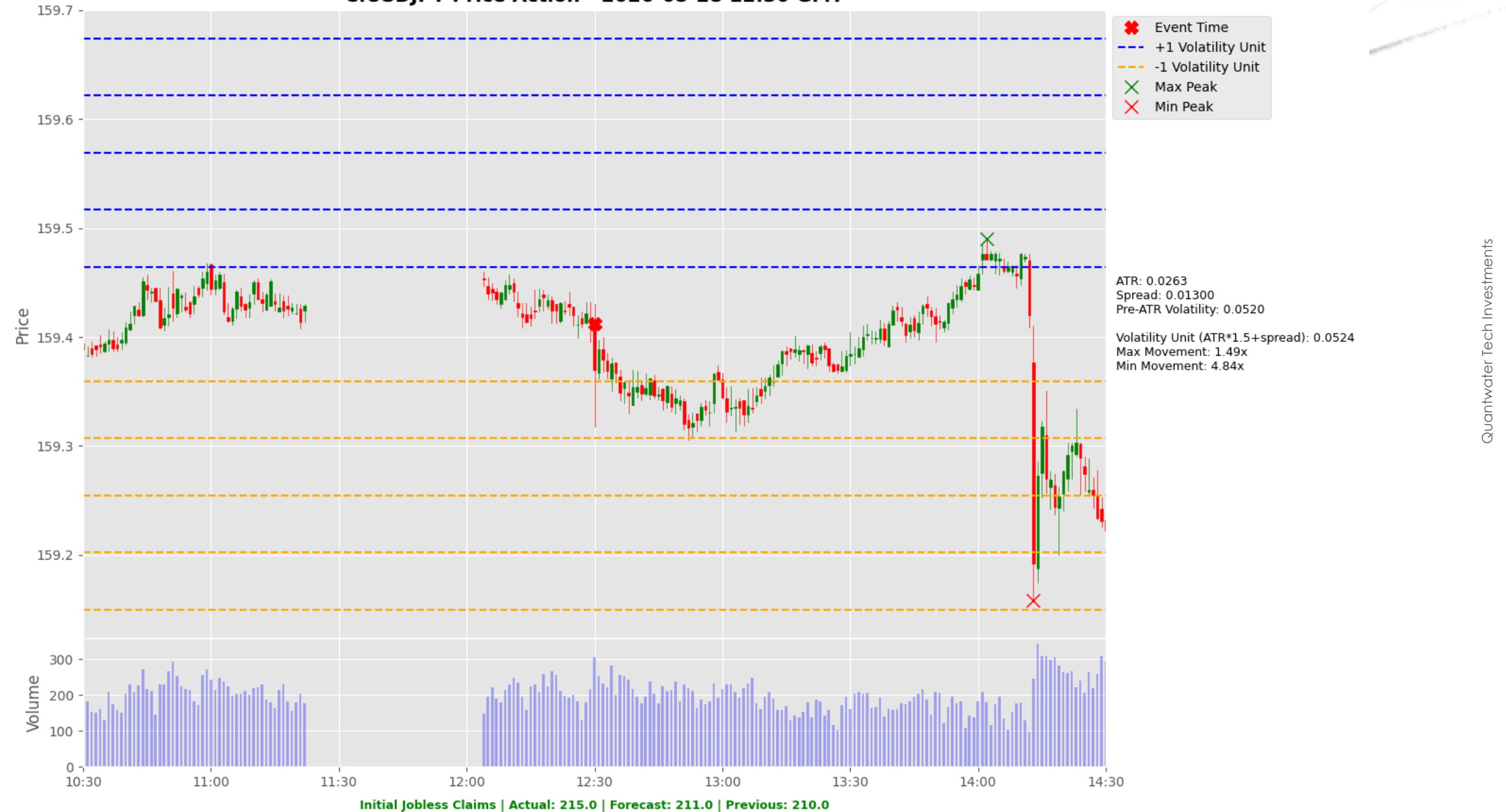
C:USDJPY Price Action - 2026-05-14 12:30 GMT



C:USDJPY Price Action - 2026-05-21 12:30 GMT



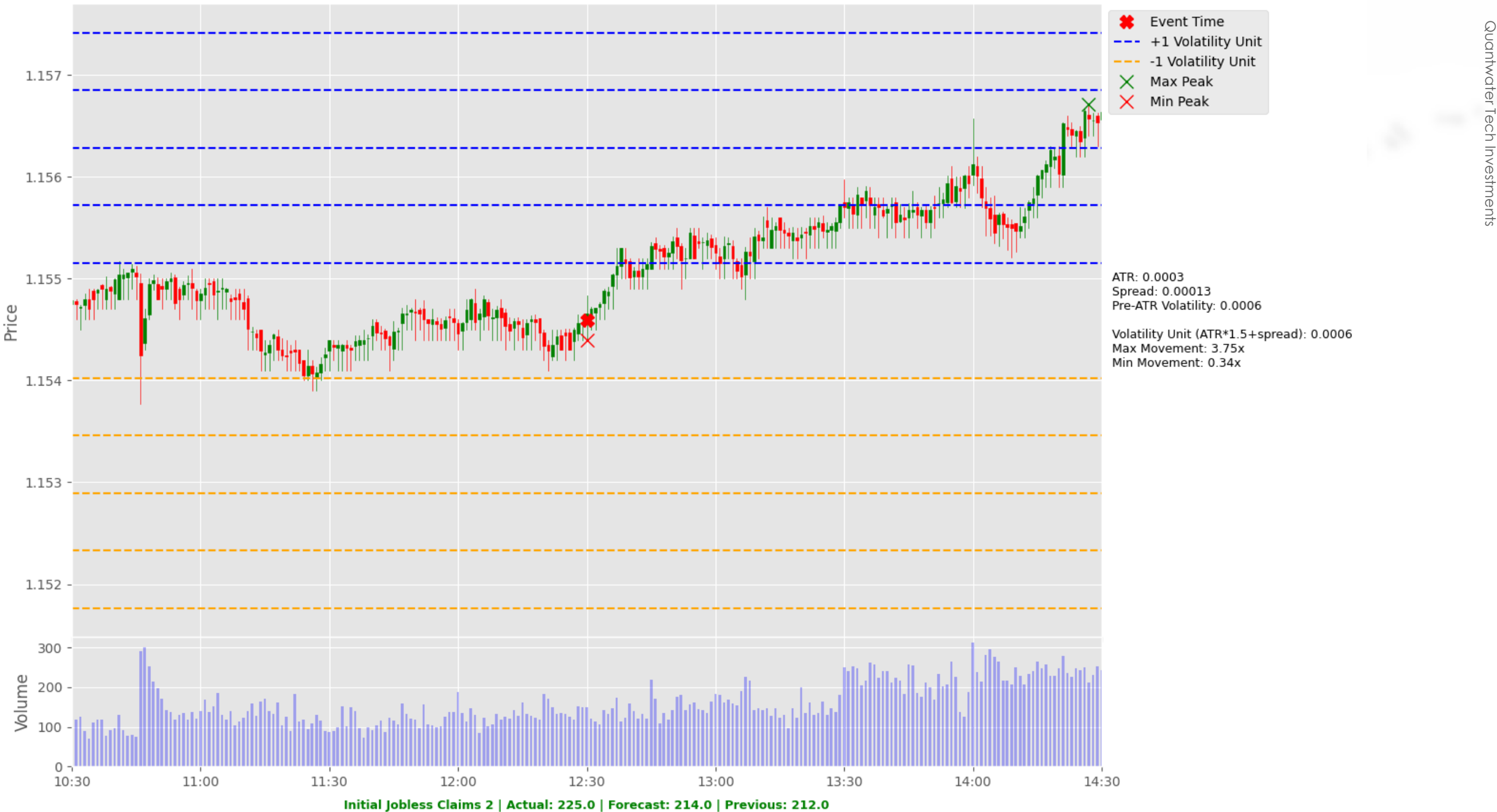
C:USDJPY Price Action - 2026-05-28 12:30 GMT



Initial Jobless Claims

C:EURUSD

C:EURUSD Price Action - 2026-04-06 12:30 GMT



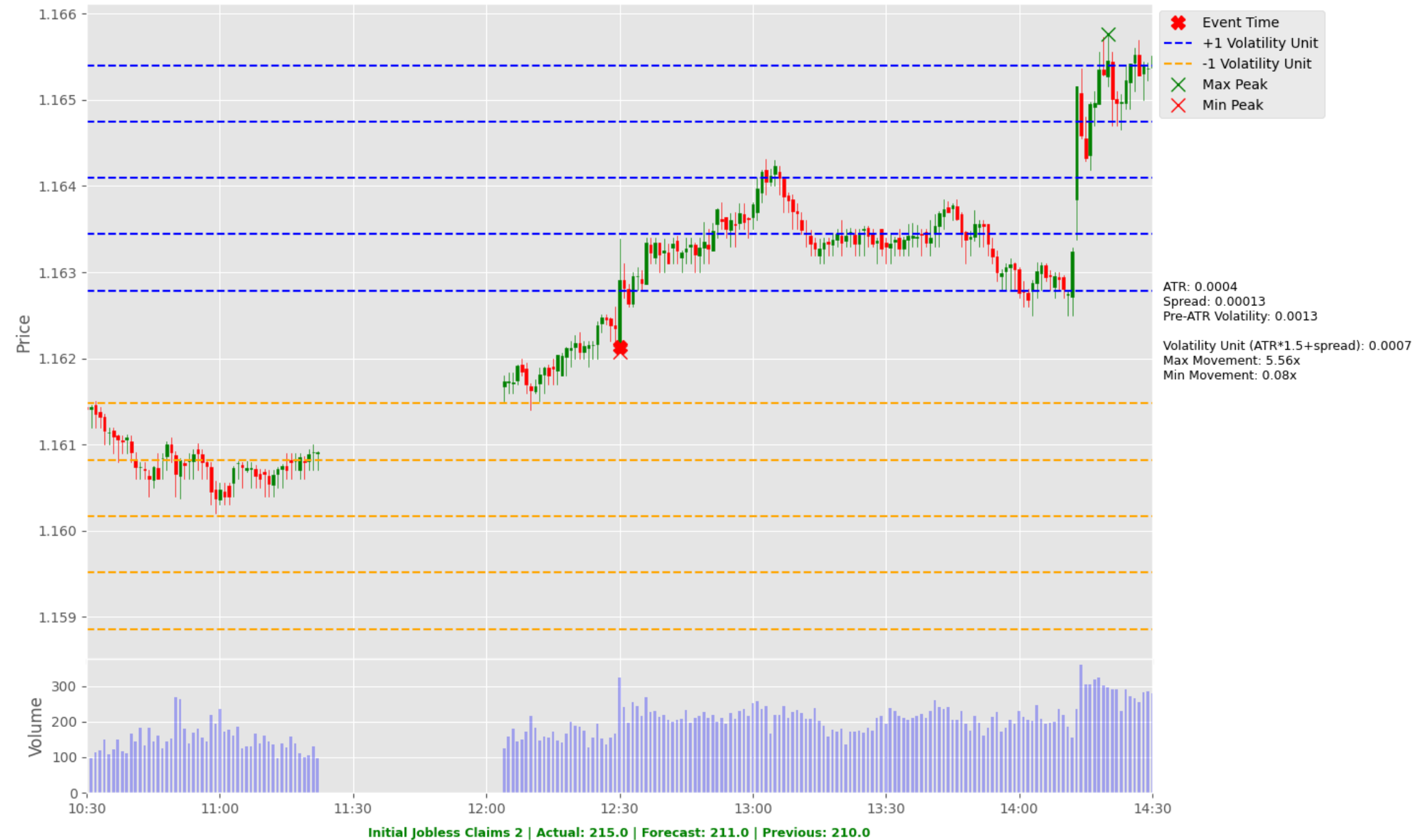
C:EURUSD Price Action - 2026-05-14 12:30 GMT



C:EURUSD Price Action - 2026-05-21 12:30 GMT



C:EURUSD Price Action - 2026-05-28 12:30 GMT



Appendix



Important Information

Quantwater Tech Investments Data Release Deck – 21st June 2026

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Key Economic & Analytical Concepts

Economic Data Interpretation

- **Forecast Vs. Actual:** Comparing predicted values with released data
- **Previous Reading:** Last reported value
- **Market Impact:** How releases affect financial markets

Average True Range (ATR)

- **Definition:** A technical indicator that measures market volatility
- **Calculations:**
 - Calculate True Range (TR) for each period:
 - $TR = \max [(high - low), abs(high - previous\ close), abs(low - previous\ close)]$
 - ATR = Simple moving average of TR over N periods (typically 14)
- **Interpretation:**
 - Higher ATR = Higher Volatility
 - Lower ATR = Lower Volatility
- **Usage in Our Analysis:**
 - Helps standardize price movements across different market conditions
 - Forms the basis of our Volatility Unit Calculations

Volatility Unit

- **Formula:** $(ATR * multiple) + Spread$ (*multiple is typically 1.5*)
- **Purpose:** Standardizes price movements

Price Movements

- **Max Movement:** Largest upward price move after event
- **Min Movement:** Largest downward price move after event
- Both measured in Volatility Units

Using This Analysis

- Analyzing volatility across different economic releases helps identify patterns in market reactions.
- This approach allows for evaluating the significance of economic indicators based on their market impact.
- Adhering to standard trading guidelines, the risk amount should not exceed 5% of the trading balance, typically. A risk-reward ratio of 1:1.5x or greater, guided by the win ratio and historical data from this presentation or other estimates, can be used to determine the appropriate risk level, take-profit point, and position size.
- Trade automation on the M15/M14 platform can be implemented using the expert advisor linked below, which takes the specified parameters as input.
- An M15/M14 account can be accessed through a [brokerage/securities dealer firm](#) or by using a [proprietary \(prop\) trading account](#).*
- **Example:**
 - Volatility analysis of economic releases, such as the CPI event, helps identify patterns in market reactions. For instance, if the CPI event typically results in a minimum movement of 0.5x and a maximum movement of 3x, a stop-loss of 1x and a take-profit of 3x can be strategically applied.
 - Following prudent risk management, the risk per trade should not exceed 5% of the trading balance, typically. For a \$100,000 trading account (max loss amount post which trading is halted), this translates to a \$5,000 stop-loss and a \$15,000 take-profit.
 - The guiding principle is that a win ratio of at least 50% combined with a risk-reward ratio of over 1.5 ensures positive expected cash flow. By limiting risk to 5% of the account balance, potential drawdowns from consecutive losses are minimized, preserving capital and maintaining positive cash flow expectations.
- If you need further assistance, please don't hesitate to contact us.
- **Disclaimer: The links are provided for informational purposes only and connect to third-party websites. We are not affiliated with, nor do we endorse, any of these external sites. Trading carries a significant risk of financial loss. Your risk is your own responsibility, and you should carefully consider your investment objectives and risk tolerance before trading.*

Resources

- <https://github.com/pawan-pro/quantwater-tech-investments/blob/main/QuantPulse>
- <https://quantwatertech.netlify.app/research>
- <https://quantwater.tech/blog>

Thank You!

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