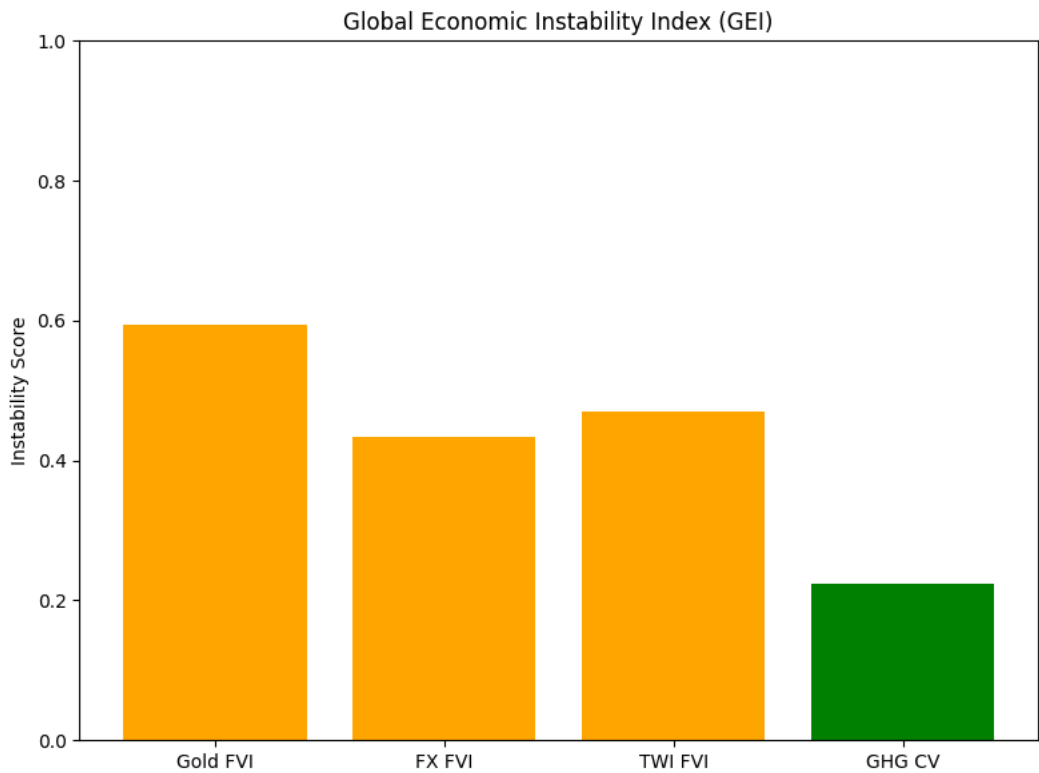


Fractal Volatility Index for XOM : 0.586. Market Wide FVI:0.478
(0 - 0.33: Stable, 0.33 - 0.66: Moderate Volatility, 0.66 - 1: High Volatility)



Global Geopolitical Volatility



Red: High Risk FVI zone,Orange: Medium Risk FVI zone, Green: Low Risk FVI zone

Verv Stock Analysis Report: Exxon Mobil Corp XOM FVI 0.586

Analysis Period: 2021-07-15 to 2026-07-15

Global Geopolitical Fractal Volatility (Gold, Forex, TWI (Tariffs) and GHG Emissions)

FVI_GOLD: 0.593608 => Moderate gold volatility, likely reflecting investor caution
FVI_FX: 0.434301 => Low FX volatility; currency markets stable for now
FVI_TWI: 0.469352 => Moderate TWI volatility; minor export/import fluctuations
GHG_CV: 0.223036 => Moderate emissions volatility; sector-level uncertainty exists
Primary Risk Driver: Gold volatility is a good proxy for global geopolitical risk. 0.593608.

The Fractal Volatility Index (FVI) is scaled between 0 and 1 reflecting the stock's overall volatility. A higher score indicates greater unpredictability and market instability.

Unlike traditional volatility indicators like VIX or Beta, FVI does not track short-term fluctuations—it detects hidden instability before it manifests in price swings.
FVI is a composite score that incorporates Lyapunov Exponent, Hurst Exponent, and Detrended Fluctuation Analysis (DFA).

Breakout Probability Score (BPS): 0.016

Breakout Probability Score (BPS) quantifies price momentum likelihood: BPS > 1.5 suggests high breakout potential, while BPS < 0.5 indicates consolidation.

(BPS > 1.5 High breakout potential - Strong momentum, watch for confirmation.)

(BPS 0.5 - 1.5 Moderate breakout likelihood - Possible move, monitor closely.)

(BPS < 0.5 Low breakout probability - Likely consolidation or range-bound.)

Request ID: FVI

Account ID: WeeklyReport

Fractal & Statistical Analysis

FVI Score: 0.586 (Fractal Volatility Index FVI)

DFA Result: 0.5015 (Detrended Fluctuation Analysis)

Lyapunov Exponent: 0.0169 (Measures chaos and predictability)

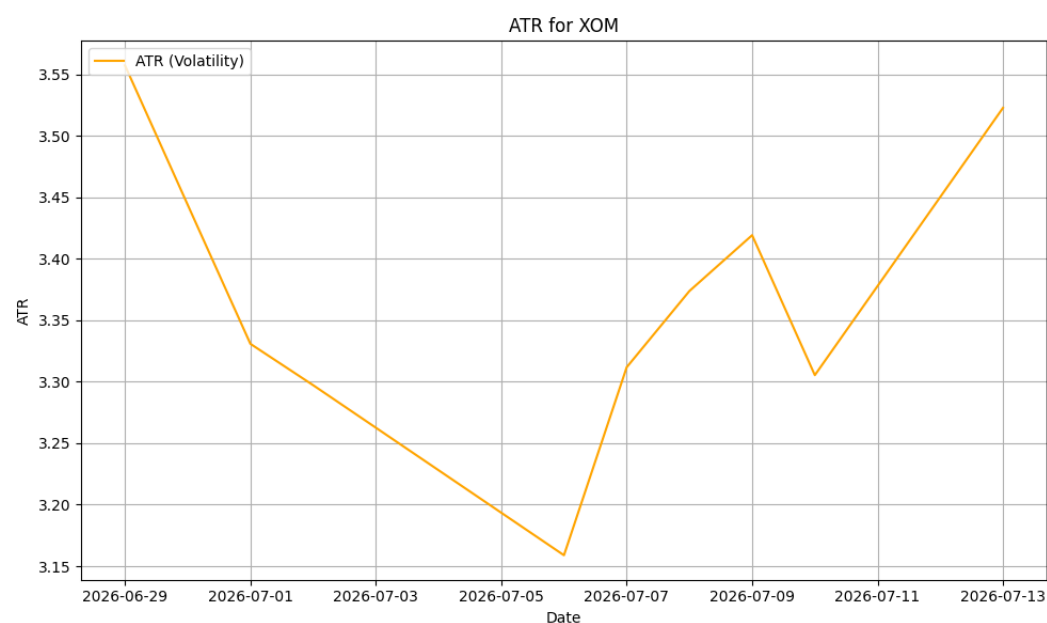
Hurst Exponent: 0.4793 (Indicates trending or mean-reverting behavior)

Breakout & Recent Price Change Analysis

Breakout Statement: No strong breakout signal detected: The latest closing price of 144.51 is within the Bollinger Bands range (133.37 - 145.00).

Latest ATR: 3.5229

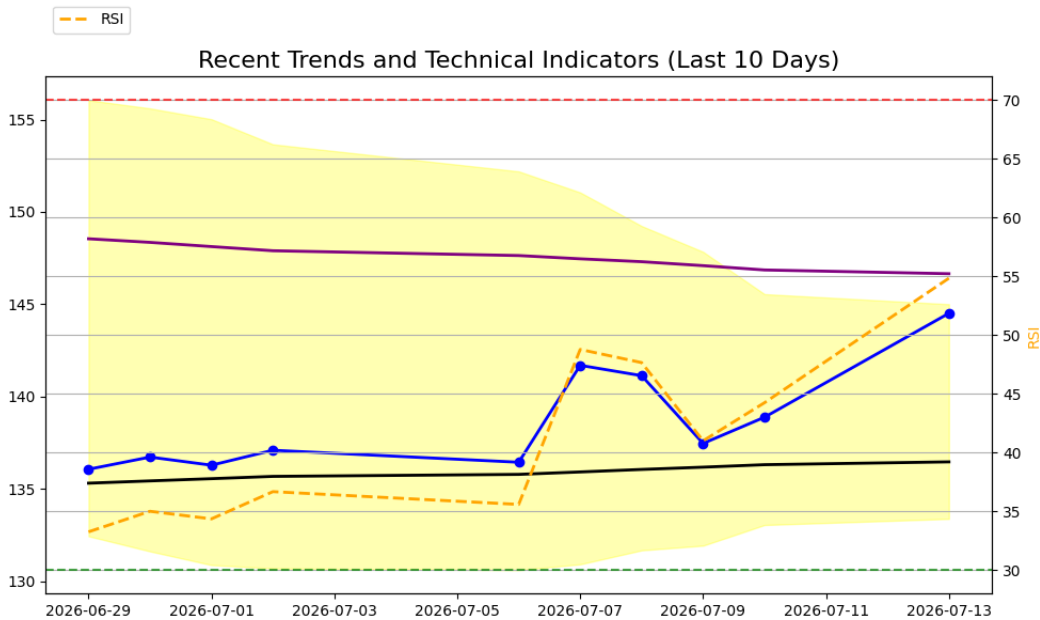
Average True Range (ATR)



The ATR measures the recent price volatility of a stock, calculating the average range between its high and low prices over a given period (usually 14 days). A higher ATR indicates greater market volatility, and a lower ATR indicates less volatility.

Low ATR (below 2): Stable stock, Moderate ATR (2-5): Mild volatility, High ATR (above 5): Highly volatile stock

Technical Indicators



Left y axis - Stock Price. Right y axis - RSI range values (30 - 70)

Close Price(blue line with circles) - Key indicator of the stock's price action and is often used to identify trends or patterns. A rising close price generally indicates an upward trend, while a falling close price shows a downward trend.

SMA_50 and SMA_200 - (purple line SMA_50, black line SMA_200) Simple Moving Averages (SMA) calculated over 50 and 200 periods. Helps identify the direction of stock price trend.

Bollinger Bands - (shaded in yellow): Bollinger Bands consists of upper, middle and lower prices. The middle line is the moving average. Price reaching the upper band can indicate an overbought condition, suggesting the stock might be due for a pullback. Price touching the lower band could indicate an oversold condition, suggesting a potential buying opportunity. When the price moves outside the bands, it may indicate extreme conditions.

Relative Strength Index RSI - (orange dotted line): The RSI is a momentum oscillator that measures the speed and change of price movements. An RSI above 70 suggests the stock is overbought and might be due for a pullback. An RSI below 30 suggests the stock is oversold and might be due for a rebound. An RSI in between indicates a more neutral market condition.

AI-Generated Market Insights

Investment Report:

--- INVESTMENT REPORT ---

1. Volatility & Breakout Potential

- XOM appears to be in a regime of stability, with a Lyapunov of 0.017 indicating low chaos and instability.
- The FVI of 0.586 suggests a moderate level of volatility, which could be indicative of market noise rather than a significant acceleration in price movement.
- The stock's Lyapunov is lower than market-wide values, suggesting less relative instability.
- Bollinger Bands appear to be stable, with the latest closing price within the range.
- The stock's volume change of 34.56% does not necessarily confirm significant price moves.

2. Market Sentiment

- The large volume suggests institutional-driven behavior, which could be indicative of a bullish sentiment.
- However, the lack of a strong breakout signal and moderate FVI suggest a cautious investor mood.

3. Geopolitical Risk Assessment

- The high Gold, FX, and TWI FVI values suggest a high level of global stress.
- The energy sector's low GHG impact score of 0.042 indicates a low level of sectoral emissions risk exposure.
- As a company in the energy sector, XOM may be vulnerable to energy price shocks and potential demand disruptions from China and allies.

4. Sector and Supply Chain Exposure

- As an energy company, XOM could be prone to fuel cost surges and geopolitical transport risk.
- The company may also be exposed to potential tariff exposure due to its global operations.

--- STRATEGY RECOMMENDATION ---

- Currently, XOM appears to be in a consolidation phase.
- Given the moderate FVI and lack of a strong breakout signal, a mean-reversion strategy may be optimal.
- The BPS and FVI pattern do not strongly suggest an imminent breakout.

--- FINAL TAKEAWAY ---

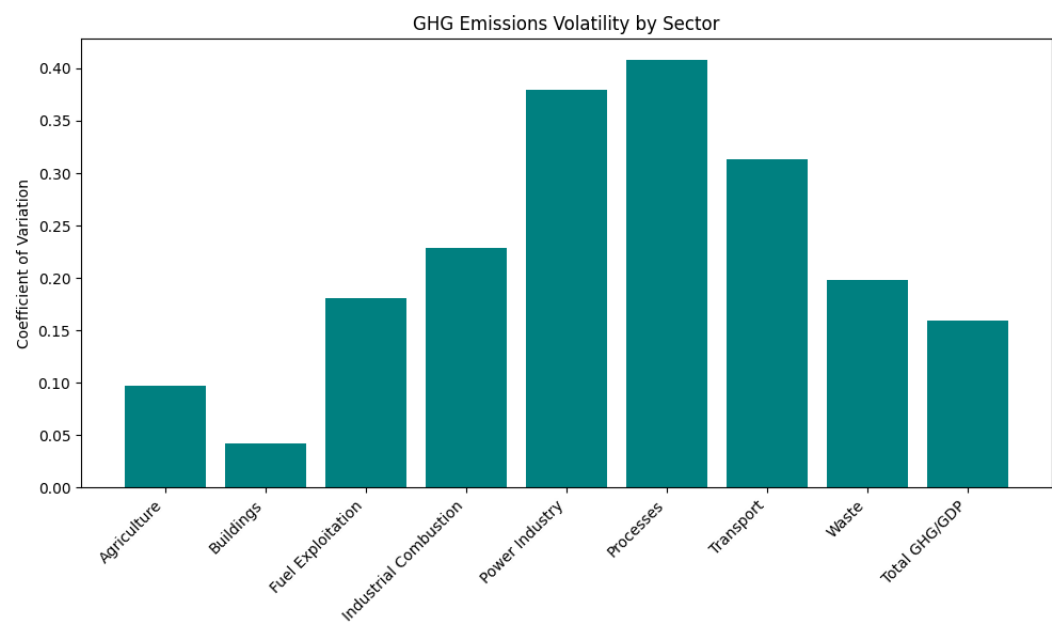
Despite the high global stress indicated by the market-wide FVI values, XOM appears relatively stable with low chaos and instability. However, the moderate level of volatility and lack of a strong breakout signal suggest a cautious investor mood. As an energy company, XOM may be vulnerable to energy price shocks and potential demand disruptions from China and allies. Currently, a mean-reversion strategy may be optimal. Investors should monitor the global stress indicators and the company's performance closely.

Market Capitalization: 575650267000, Industry: OIL & GAS INTEGRATED, Latest Volume: 18724339, Description: Exxon Mobil Corp, Sector: ENERGY, Price to Book: 2.263, Trailing PE: 23.38, Forward PE: 12.33, Enterprise to Ebitda: 9.55, Enterprise to Revenue: 1.886, Profit Margins: 0.0776

The trading volume has changed by 34.56% over the past week, indicating potential shifts in market sentiment. Please factor this into the volatility and risk analysis.

Beta measures stock volatility relative to the overall market: 0.16
Beta of 0.16 suggests low volatility compared to the market.

Volatility Indicators of GHG Emissions by Industry and GDP



Low GHG impact (0.042) for theEnergy sector.
Disclaimer: The Fractal Volatility Index (FVI) measures structural market instability, not short-term price direction. High FVI (red dot) does not necessarily indicate a price breakout—rather, it signals unpredictable price behavior and potential structural shifts. While market instability can precede significant moves in either direction, Verv Stock Reports do not predict price trends but offer insight into underlying volatility patterns. Investors should interpret FVI alongside fundamental and technical analysis before making decisions.

Stock Market Price Credibility Report

Analysis based on current global macroeconomic and geopolitical information.

Market_Price_Credibility_Analysis:

```
{  
  "Final_Score": 0.383,  
  "Price_Volume_Divergence": 0,  
  "Volatility_Dissonance_Index": -0.008,  
  "Deception_Risk": 0.769,  
  "Trumperry_Alert": true,  
  "Summary": "Truth is on vacation. Please hold for alternate facts."  
}
```

Reasoning:

The current economic narrative suggests a robust recovery from the pandemic, bolstered by unprecedented levels of fiscal and monetary stimulus. However, the underlying realities present a more complex picture.

1. Rising U.S. debt and deficit levels: The U.S. deficit is at its highest level since World War II, driven by pandemic-related spending. This could lead to long-term fiscal challenges, despite the current low interest rate environment.
2. Changes in U.S. Treasury bond yields and issuance: Low yields have made U.S. debt less attractive, leading to potential long-term financing issues.
3. Declining foreign demand for U.S. bonds: This could put upward pressure on bond yields, potentially leading to higher borrowing costs for the U.S. government.
4. Central bank interventions: The Federal Reserve's aggressive use of rate cuts and QE has supported the economy, but could also create asset bubbles and financial instability.
5. Use of tariffs and sanctions: These tools can disrupt global trade and create economic uncertainty, despite their intended purpose of protecting domestic industries.
6. Inflation vs. official interest rate policy: The Fed's commitment to low interest rates, despite rising inflation, could lead to a potential overheating of the economy.
7. BRICS+ influence and de-dollarization trends: The growing influence of emerging markets and their efforts to move away from the U.S. dollar could challenge the U.S.'s global economic dominance.
8. Gold volatility and geopolitical hedging: Gold's traditional role as a safe haven asset may be changing due to increased market volatility and geopolitical risks.

Overall, there appears to be a significant disconnect between the economic narrative and the underlying realities, suggesting a high NRD. The use of tariffs, sanctions, and aggressive monetary policy also suggests a Trumperry Alert.

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Deception Risk:

Between 0 and .2, markets appear fundamentally sound, no price distortion.

Between .2 and .4 there may be some irrationality or manipulation. Caution is advised.

Between .4 and .6 there are signals of disconnect between narratives and reality.

Between .6 and .8 distortions mean possible financial gaslighting.

Between .8 and 1 signals a confidence scam - you are being sold a bridge.

What Price Credibility Sell You a Bridge Index captures:

Price to Volume Divergence PVD.' When price rises while volume drops is suspicious behavior.

A Narrative Reality Dislocation Index NRDIndex is an AI score for disconnect between corporate statements and underlying fundamentals.

A Volatility Persistence Score VPI. When volatility indicators stay low despite geopolitical/economic chaos.

The Macro Score includes Tariff Impact Denial. High tariffs plus high exposure plus rising stock. This may be a trumpery illusion alert.

Treasury Detector TFD Liquidity Masking Metric. Fed/Treasury injections may be affecting retail activity or debt spreads.

The Media Sentiment Mismatch is included. This is where news tone is contrary to actual market data (e.g. bullish despite bond collapse).

Note: Trumpery derives from a French word meaning to deceive, in many dictionaries showy but worthless.

_____ **END OF REPORT** _____