Consolidated Crypto Options Summary - 2025-03-30

Overview

This report provides a consolidated view of options data for Bitcoin (BTC) and Ethereum (ETH).

Summary Statistics

	Metric	BTC	ETH
0	Current Price	$82,877.00	$1,816.24
1	Total Open Interest	198,031	1,322,798
2	Calls Open Interest	124,830	778,660
3	Puts Open Interest	73,201	544,138
4	Put/Call Ratio	0.59	0.70
5	Total Volume	5,848	107,141
6	Calls Volume	3,030	58,566
7	Puts Volume	2,818	48,575
8	Volume Put/Call Ratio	0.93	0.83
9	Average IV	6048.14%	7959.60%
10	Min IV	4414.00%	6143.00%
11	Max IV	11320.00%	16028.00%

Implied Volatility Analysis

Implied volatility (IV) represents the market's expectation of future price movement and volatility. Higher IV indicates greater expected price movement and typically higher option premiums.

- **BTC Average IV**: 6048.14%

- **ETH Average IV**: 7959.60%

The IV spread between different strikes indicates market sentiment about potential price directions. A higher IV for out-of-the-money puts compared to calls suggests a bearish skew, while the opposite suggests a bullish skew.

Volatility Skew Analytics

Bitcoin (BTC) Skew Analysis

Put/Call Skew Metrics:

- 25-Delta Put/Call Skew: 4.93%

- 10-Delta Put/Call Skew: 10.34%

- ATM Volatility: 49.58%

- Term Structure Slope: 5.17%

Ethereum (ETH) Skew Analysis

Put/Call Skew Metrics:

- 25-Delta Put/Call Skew: -1.30%

- 10-Delta Put/Call Skew: 18.50%

- ATM Volatility: 66.30%

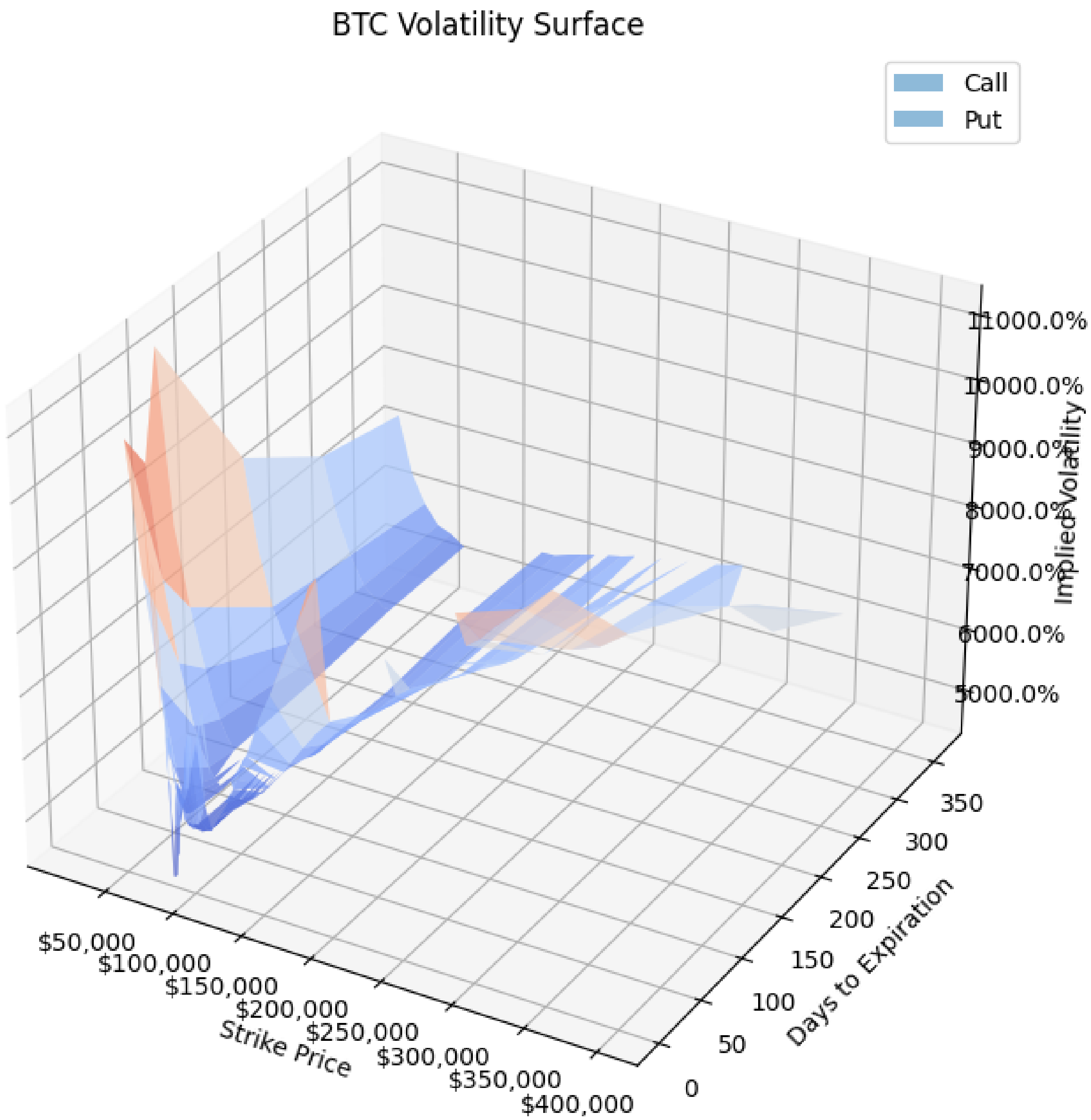
- Term Structure Slope: -10.04%

Volatility Surface Analysis

The volatility surface provides a comprehensive view of implied volatility across different strikes and expiration dates. This visualization helps identify potential trading opportunities and market inefficiencies.

Bitcoin (BTC) Volatility Surface

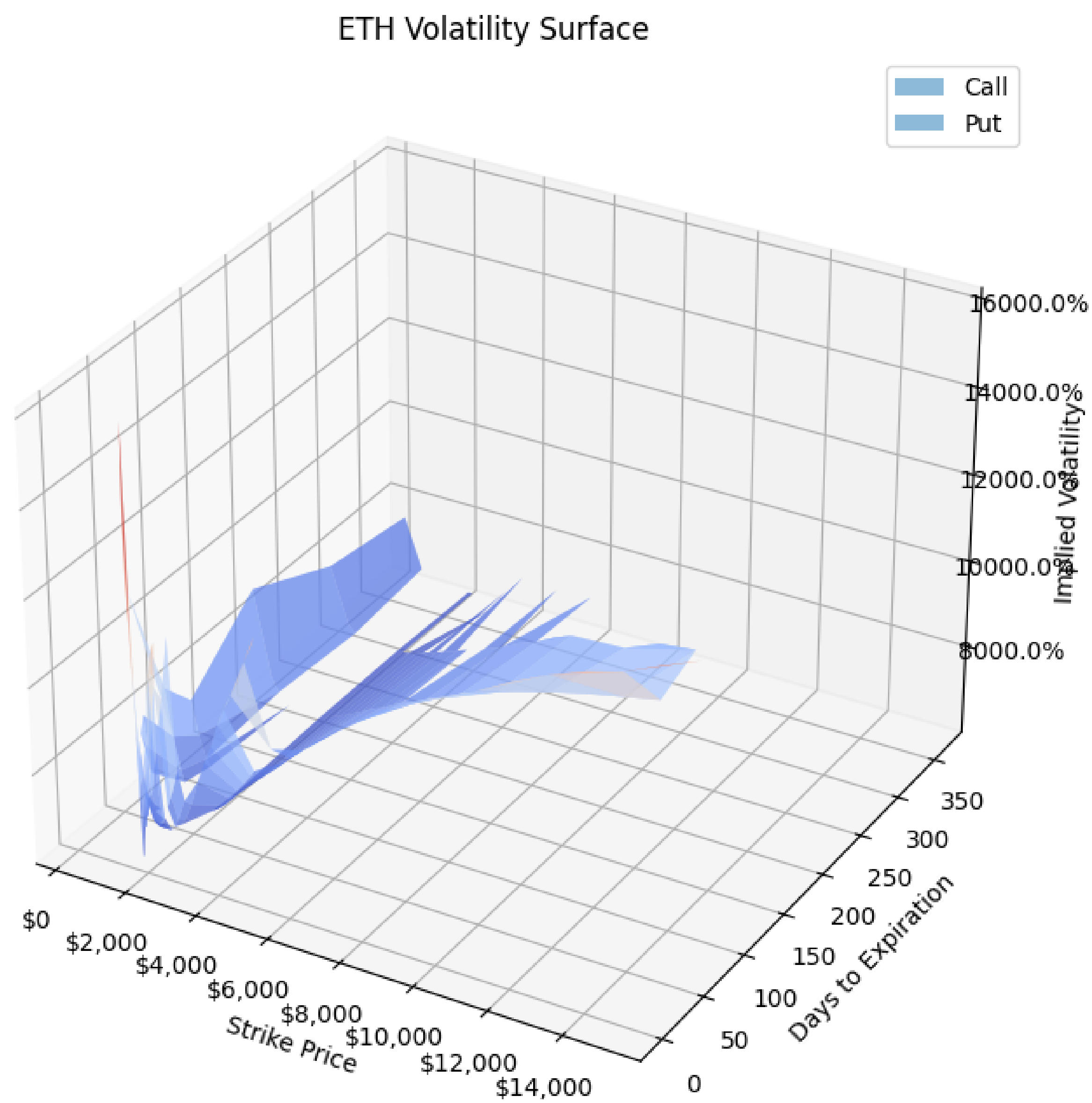
BTC Volatility Surface



The BTC volatility surface shows the relationship between implied volatility, strike prices, and time to expiration. Areas of high implied volatility (peaks) indicate where the market expects significant price movement potential.

Ethereum (ETH) Volatility Surface

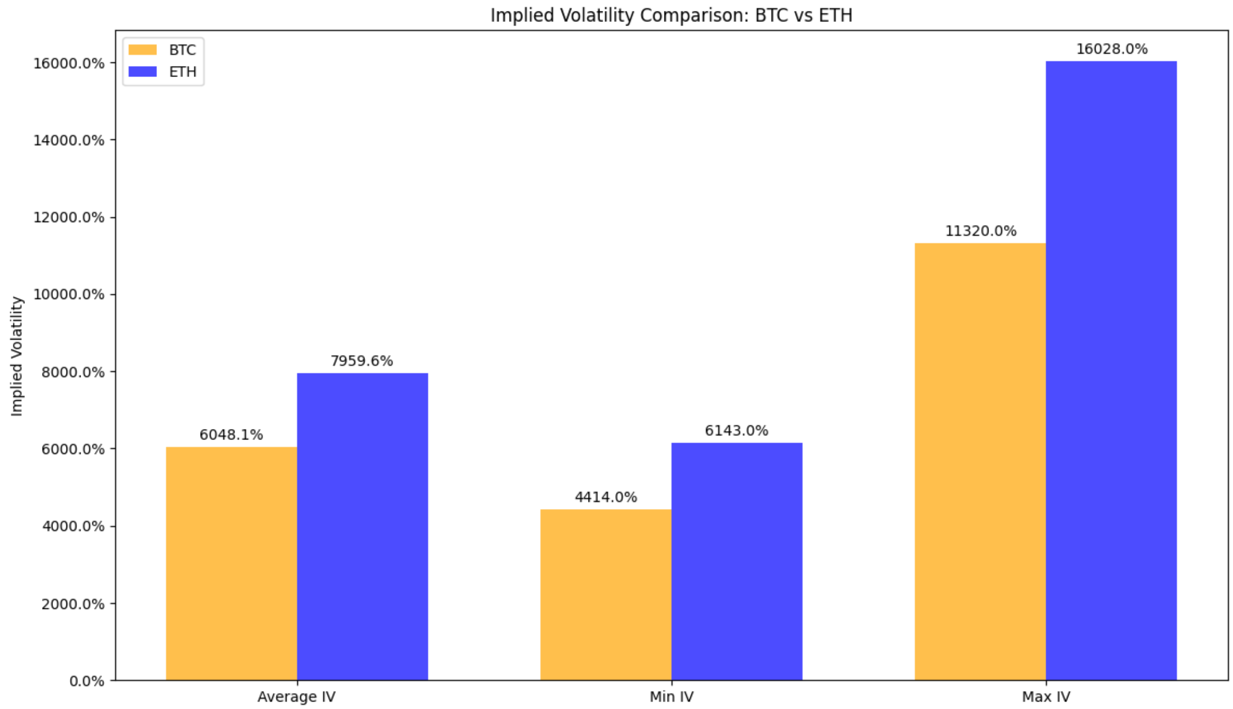
ETH Volatility Surface



The ETH volatility surface illustrates the term structure and strike dependence of implied volatilities. Steeper sections suggest stronger directional expectations in those price regions.

Implied Volatility Comparison

Implied Volatility Comparison



Volatility Skew Hotspots

BTC Volatility Hotspots

- Total hotspots identified: 124
- Maximum deviation: 73.51%
- Average deviation: 33.23%
- Call-side hotspots: 62
- Put-side hotspots: 62
- Most active strikes: $76,000.0, $85,000.0, $84,000.0, $84,500.0

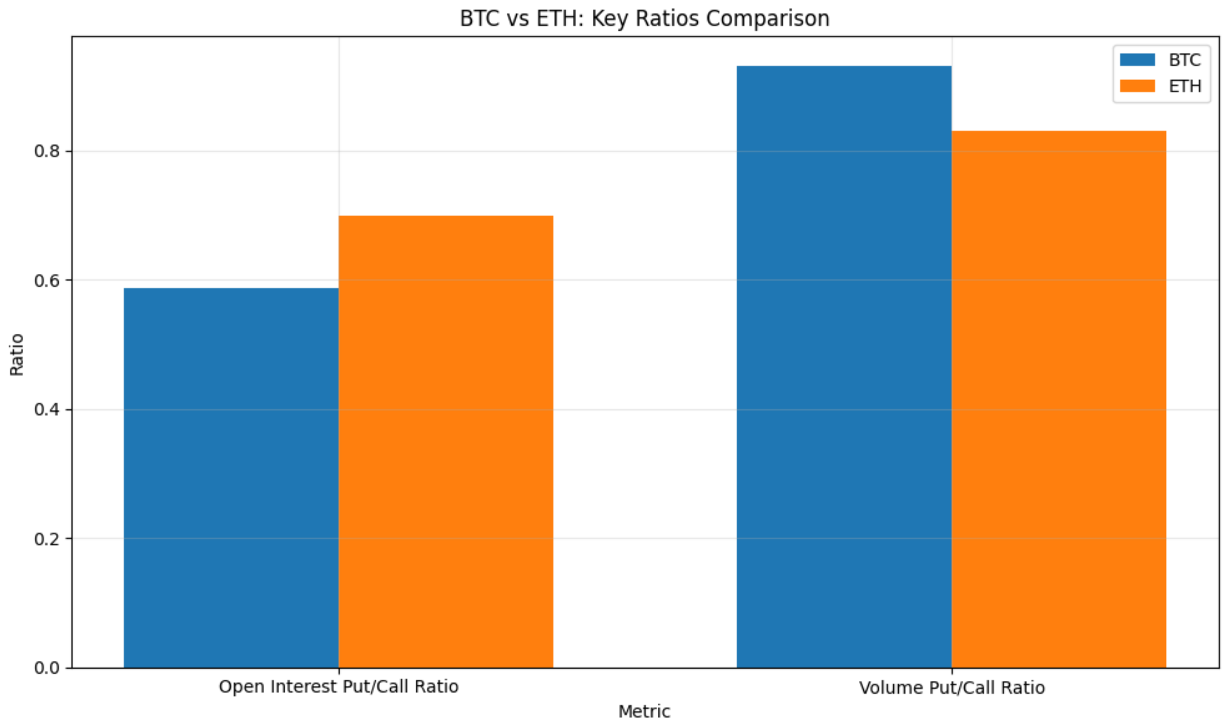
ETH Volatility Hotspots

- Total hotspots identified: 126
- Maximum deviation: 72.86%
- Average deviation: 29.41%
- Call-side hotspots: 63
- Put-side hotspots: 63
- Most active strikes: $1,800.0, $2,000.0, $1,400.0, $1,900.0

Comparison Charts

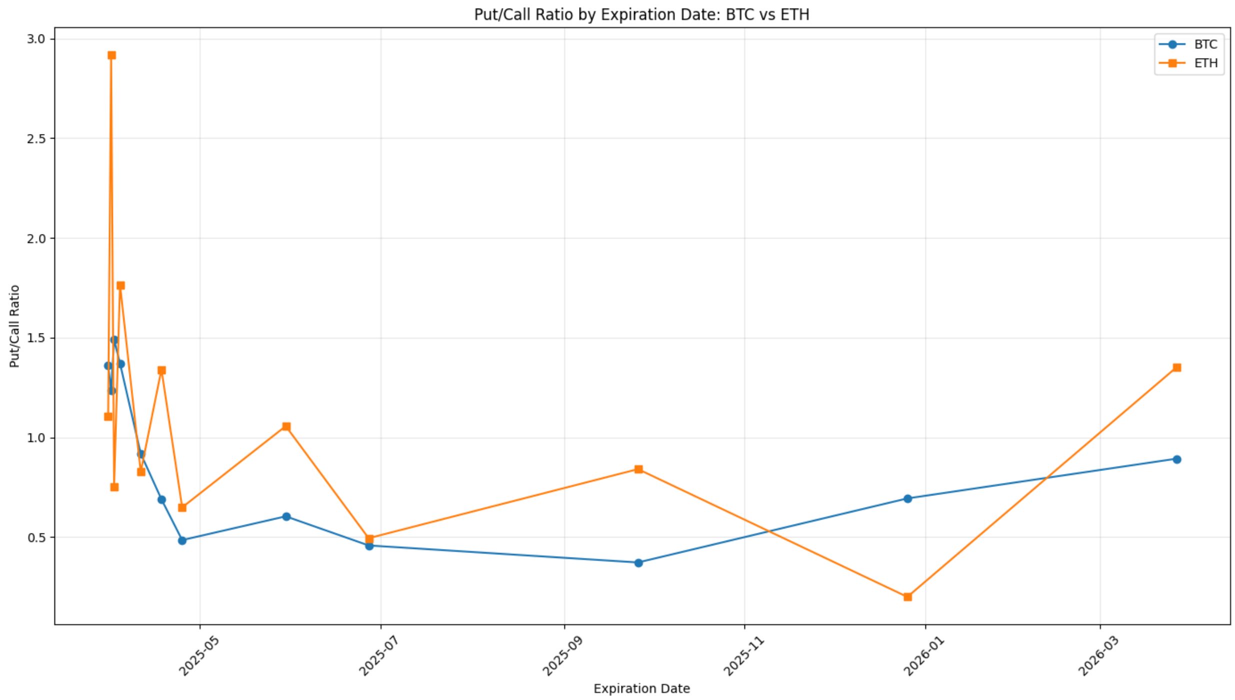
BTC vs ETH: Key Ratios Comparison

BTC vs ETH Ratios



Put/Call Ratio by Expiration Date

Put/Call Ratio by Expiration



High Volume Strikes

BTC High Volume Strikes

	strike	volume	distance_pct	currency
0	80000.00	608.20	-3.47	BTC
1	78000.00	527.70	-5.88	BTC
2	86000.00	364.80	3.77	BTC
3	82000.00	353.30	-1.06	BTC
4	76000.00	334.70	-8.30	BTC

ETH High Volume Strikes

	strike	volume	distance_pct	currency
0	1800.00	29747.00	-0.89	ETH
1	1700.00	11729.00	-6.40	ETH
2	2000.00	8207.00	10.12	ETH

3	1600.00	6803.00	-11.91	ETH
4	1750.00	6015.00	-3.65	ETH

Put/Call Ratio by Expiration

BTC Put/Call Ratio by Expiration

	expiration_date	put_call_ratio	currency
0	2025-03-31	1.36	BTC
1	2025-04-01	1.23	BTC
2	2025-04-02	1.49	BTC
3	2025-04-04	1.37	BTC
4	2025-04-11	0.92	BTC
5	2025-04-18	0.69	BTC
6	2025-04-25	0.48	BTC
7	2025-05-30	0.60	BTC
8	2025-06-27	0.46	BTC
9	2025-09-26	0.37	BTC
10	2025-12-26	0.69	BTC
11	2026-03-27	0.89	BTC

ETH Put/Call Ratio by Expiration

	expiration_date	put_call_ratio	currency
0	2025-03-31	1.11	ETH
1	2025-04-01	2.92	ETH
2	2025-04-02	0.75	ETH
3	2025-04-04	1.77	ETH
4	2025-04-11	0.83	ETH
5	2025-04-18	1.34	ETH
6	2025-04-25	0.65	ETH
7	2025-05-30	1.06	ETH
8	2025-06-27	0.49	ETH

9	2025-09-26	0.84	ETH
10	2025-12-26	0.20	ETH
11	2026-03-27	1.35	ETH

Report generated on 2025-03-30 23:16:00

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