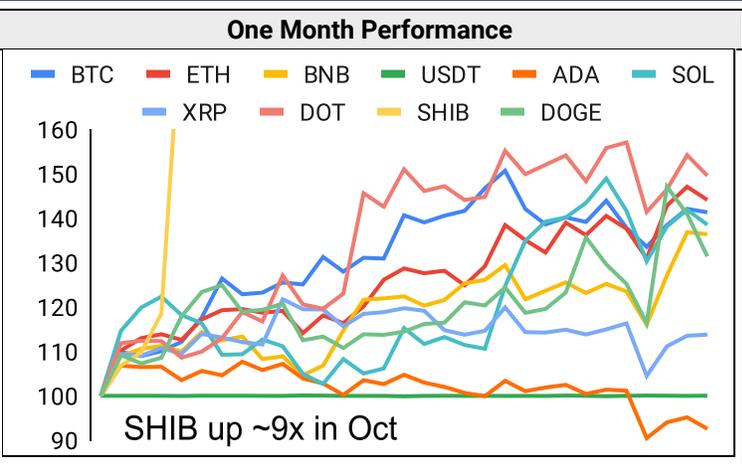


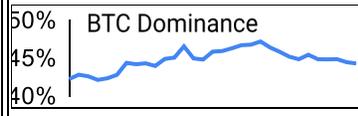
Crypto Leaderboard

Rank	Name	Ticker	Price	MC, \$b	1M
1	Bitcoin	BTC	61,319	1,156	40%
2	Ethereum	ETH	4,288	507	43%
3	Binance	BNB	524.36	87	35%
4	Tether	USDT	1.00	70	0%
5	Cardano	ADA	2	65	-7%
6	Solana	SOL	202	61	43%
7	Ripple	XRP	1.11	52	17%
8	Polkadot	DOT	42.74	42	50%
9	SHIBA INU	SHIB	0.00	37	833%
10	Dogecoin	DOGE	0.28	37	37%

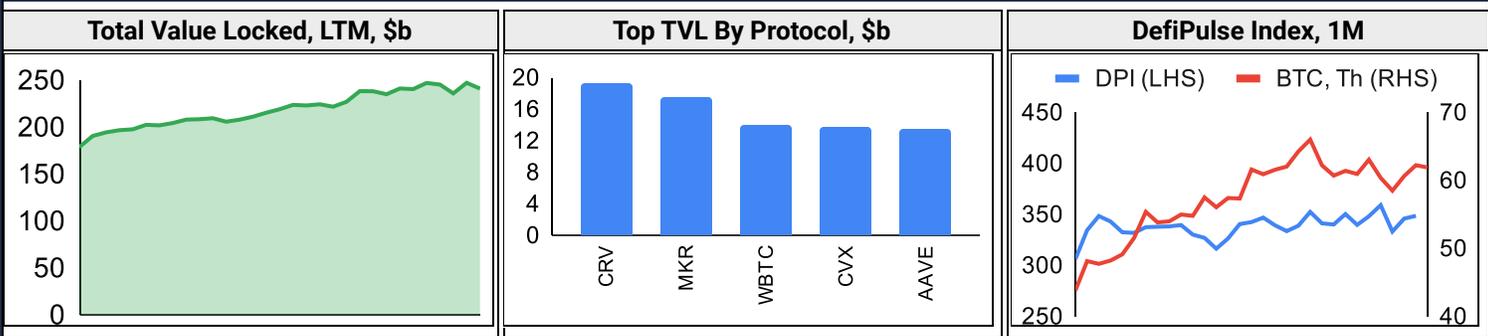


One-Month Performance

By Token		By Category		By Ecosystem		Traditional Finance	
SHIB	855%	Meme	448%	Avalanche	63%	WTI	11.0%
SPELL	511%	Gaming	183%	xDAI	51%	SPX	6.9%
SCRT	366%	NFTs	97%	Polygon	50%	N100	5.3%
MANA	340%	IoT	43%	BSC	35%	HSI	3.3%
SAFEMOON	278%	Dist Comput	42%	Polkadot	30%	DAX	2.8%
SAND	160%	CEXs	40%	Cosmos	24%	FTSE	2.1%
FLOW	-8%	DEX / B&L	39%	Terra	17%	USD/JPY	1.9%
CEL	-10%	Smart Cont	36%	Solana	15%	Gold	1.8%
XDC	-19%	Defi	33%			EUR/USD	-0.3%
XEC	-23%	Privacy	31%			NIKKEI	-1.9%
BCHA	-36%	DAOs	25%			Gas	-8.0%



Defi

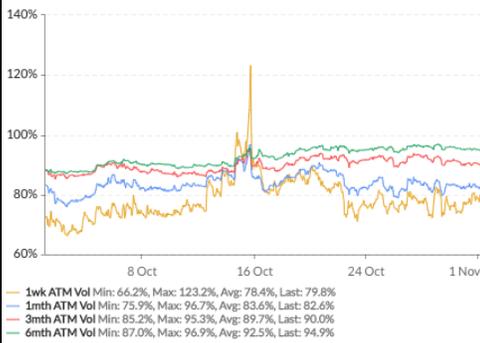


One-Month Trading Volumes

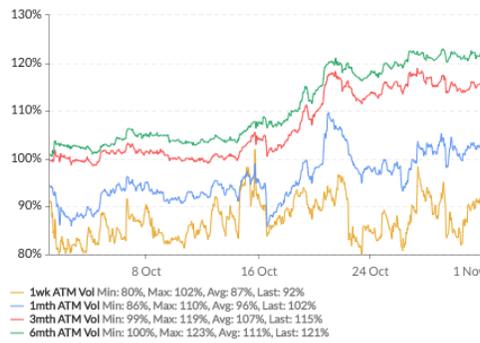
Top 100, Spot, \$b	Top Spot by Token, \$b	Top Spot Exchanges, \$b	Aggregate Derivs Vols, \$b																																															
	<table border="1"> <tr><td>USDT</td><td>2,318</td></tr> <tr><td>BTC</td><td>1,121</td></tr> <tr><td>ETH</td><td>557</td></tr> <tr><td>SHIB</td><td>242</td></tr> <tr><td>BUSD</td><td>193</td></tr> <tr><td>XRP</td><td>112</td></tr> <tr><td>USDC</td><td>102</td></tr> </table>	USDT	2,318	BTC	1,121	ETH	557	SHIB	242	BUSD	193	XRP	112	USDC	102	<table border="1"> <tr><td>Binance</td><td>830.0</td></tr> <tr><td>OKEx</td><td>170.1</td></tr> <tr><td>Coinbase</td><td>145.4</td></tr> <tr><td>Huobi</td><td>144.5</td></tr> <tr><td>FTX</td><td>83.8</td></tr> <tr><td>Upbit</td><td>59.7</td></tr> <tr><td>Gate.io</td><td>46.3</td></tr> </table>	Binance	830.0	OKEx	170.1	Coinbase	145.4	Huobi	144.5	FTX	83.8	Upbit	59.7	Gate.io	46.3	<table border="1"> <thead> <tr> <th></th> <th>1M</th> <th>O/I</th> </tr> </thead> <tbody> <tr><td>Spot</td><td>2,560</td><td>na</td></tr> <tr><td>Perpetuals</td><td>2,960</td><td>29</td></tr> <tr><td>Futures</td><td>257</td><td>5</td></tr> <tr><td>Options</td><td>40</td><td>16</td></tr> <tr><td>Total</td><td>5,817</td><td>50</td></tr> </tbody> </table>			1M	O/I	Spot	2,560	na	Perpetuals	2,960	29	Futures	257	5	Options	40	16	Total	5,817	50
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Crypto Options

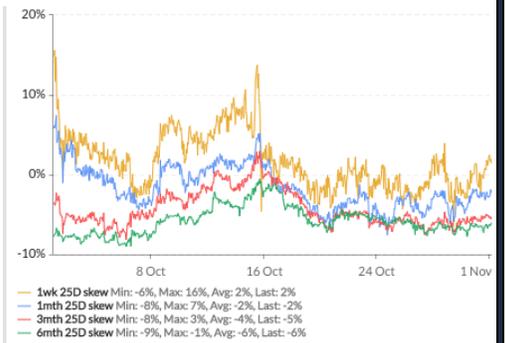
BTC ATM Implied Vol



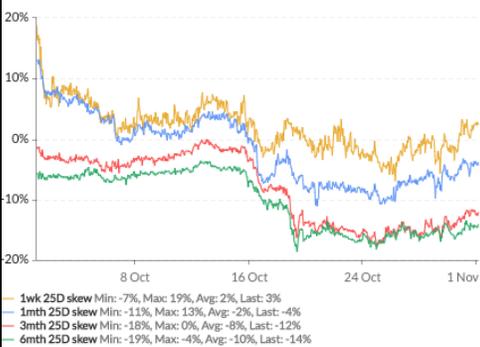
ETH ATM Implied Vol



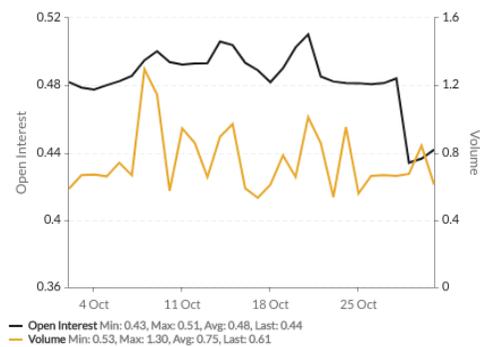
BTC 25d Skew



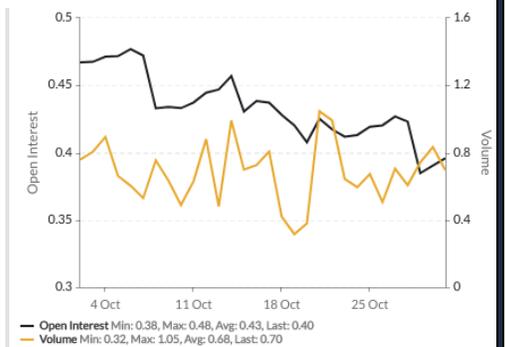
ETH 25d Skew



BTC Put/Call Ratio

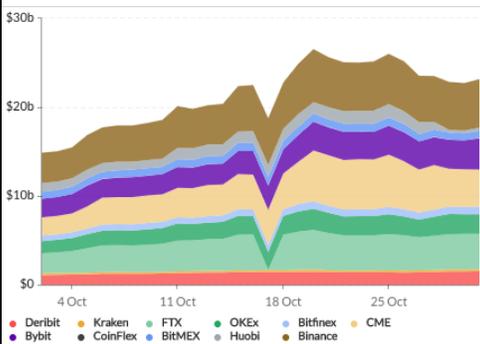


ETH Put/Call Ratio

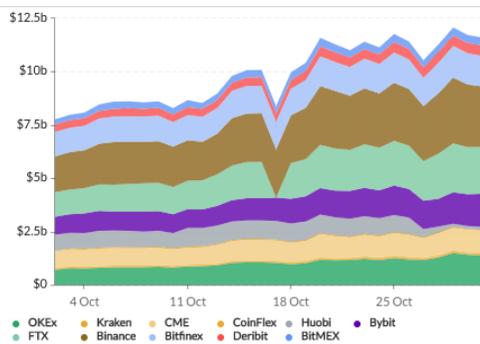


Crypto Futures

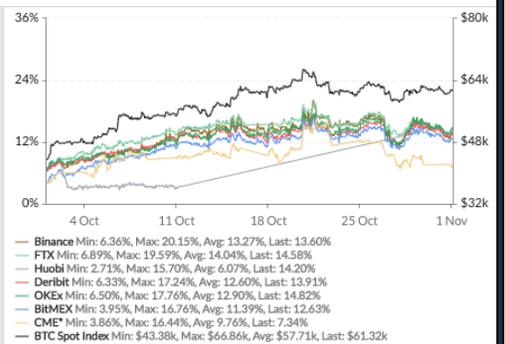
BTC Aggregate Open Interest



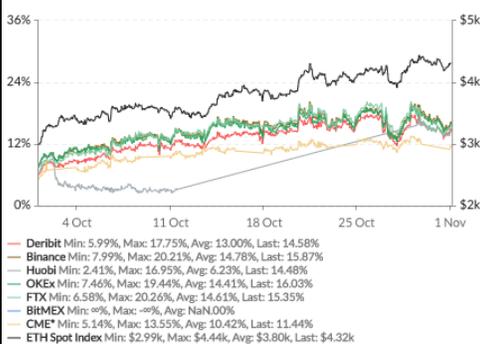
ETH Aggregate Open Interest



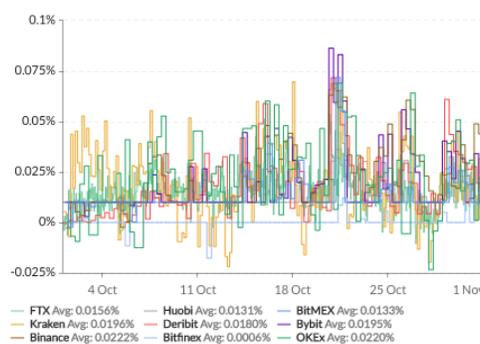
BTC Annlzd Rolling 3m Basis



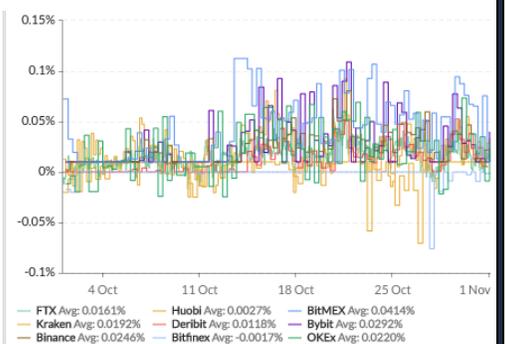
ETH Annlz Rolling 3m Basis



BTC Perp Swaps Funding



ETH Perp Swaps Funding





October Market Update

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