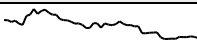
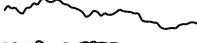

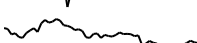
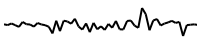
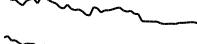

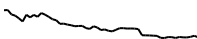




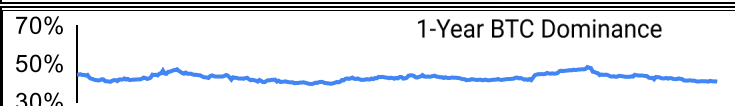
## Crypto Leaderboard

Rank	Name	Ticker	Price	24h	7d	30d	24h Vol \$m	MC \$m	1-Year Chart
1	Bitcoin	BTC	\$21,484	0%	-10%	0%	27,387	410,644	
2	Ethereum	ETH	\$1,654	2%	-12%	14%	16,317	198,423	
3	Tether	USDT	\$1.00	0%	0%	0%	37,737	67,692	
4	USD Coin	USDC	\$1.00	0%	0%	0%	6,719	52,466	
5	BNB	BNB	\$297	0%	-6%	21%	883	48,426	
6	Binance	BUSD	\$1.00	0%	0%	0%	5,077	19,072	
7	Ripple	XRP	\$0.34	0%	-9%	2%	842	17,049	
8	Cardano	ADA	\$0.46	0%	-18%	-4%	430	15,567	
9	Solana	SOL	\$35.41	0%	-18%	-4%	852	12,350	
10	Dogecoin	DOGE	\$0.07	-1%	-22%	9%	337	9,025	

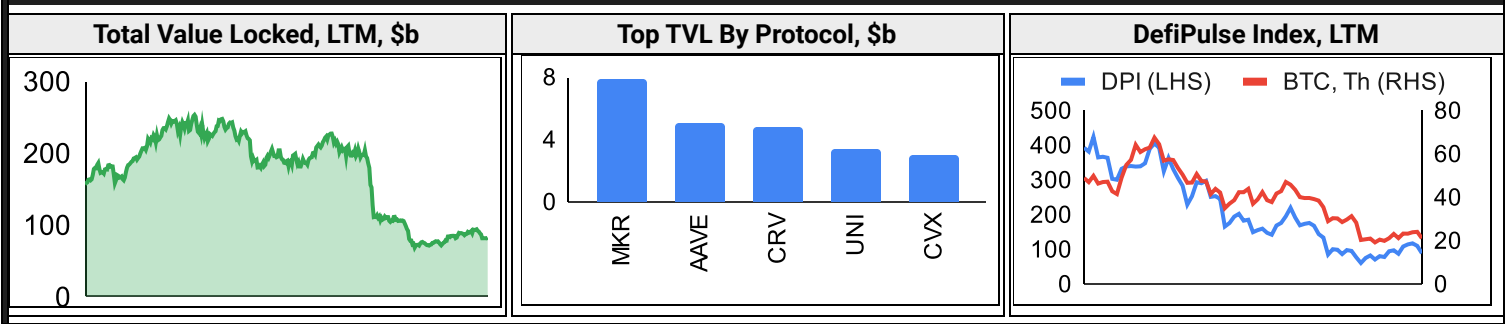
## Top & Bottom Performers - Top 100 Tokens

24h		7 Days		30 Days		90 Days		365 Days	
EVMOS	19%	EVMOS	28%	CHZ	133%	CEL	118%	10SET	85%
HNT	13%	EOS	24%	CEL	61%	LDO	114%	LEO	85%
ZIL	7%	CHZ	14%	EOS	53%	CHZ	110%	SHIB	76%
DFI	6%	BIT	7%	LDO	48%	QNT	71%	SAND	71%
XCN	-2%	DOGE	-22%	KSM	-16%	KCS	-38%	AMP	-88%
10SET	-2%	FIL	-25%	AMP	-16%	KLAY	-41%	ICP	-89%
EOS	-6%	GMT	-27%	DFI	-18%	AMP	-42%	FLOW	-90%
CEL	-14%	CEL	-38%	10SET	-26%	DFI	-62%	FIL	-92%

## Category Performance

Category	1d	7d	30d	90d	365d	Ecosystem	1d	7d	30d	90d	365d
IoT	3%	-5%	5%	-5%	-46%	Terra	-3%	-6%	-6%	-45%	-98%
CEXs	0%	-7%	10%	-8%	-15%	Cosmos	0%	-7%	10%	-14%	-75%
DeFi	0%	-9%	6%	-10%	-78%	Polkadot	2%	-7%	11%	-3%	-74%
DEX / B&L	0%	-9%	1%	-8%	-75%	BSC	0%	-8%	19%	9%	-72%
Privacy	0%	-9%	13%	-16%	-72%	Avalanche	-1%	-8%	14%	-1%	-63%
Smart Contract	-1%	-9%	9%	-8%	-69%	Polygon	0%	-8%	8%	2%	-60%
DAOs	0%	-9%	4%	-6%	-76%	Gnosis Chain	1%	-8%	12%	-10%	-70%
Dist. Computing	2%	-11%	5%	-12%	-81%	Solana	0%	-10%	1%	-15%	-78%
NFTs	0%	-11%	15%	1%	-48%						
Gaming	0%	-14%	-3%	-18%	4%						
Meme	-1%	-16%	8%	0%	137%						

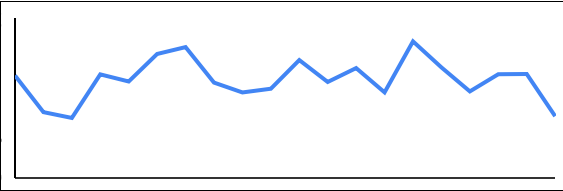
## DeFi



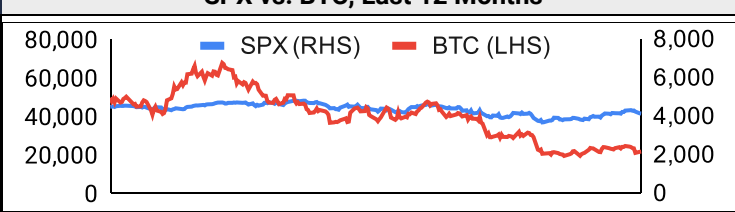
## Trading Volume

Aggregate Volumes by Product, \$b					Top Derivatives Exchanges, \$m and bps					Top Spot Exchanges, \$m		
	1d	7d	30d	O/I	Exchange	1d Vol	O/I	Mkr	Tkr	Exchange	Score	1d Vol
Spot	28	223	961	n/a	Binance	48,509	19,554	2.0	4.0	Binance	9.9	12,579
Perpetuals	67	489	1,950	20	FTX	5,014	3,560	2.0	7.0	Coinbase	8.1	1,758
Futures	0	4	18	2	OKX	13,604	4,313	2.0	5.0	FTX	8.1	1,619
Options	0	0	0	0	BTCEX	28,628	4,752	2.0	5.0	Kraken	7.5	430

20 Day Volume - Top 100 Tokens, \$b					Top Volume, 1d, \$m		Top Volume, %20d Avg		Low Volume, %20d Avg	
					BTC	31,880	HNT	297%	USDT	0%
					ETH	17,849	NEXO	237%	USDD	23%
					USDC	6,915	XRD	215%	FLOW	26%
					BUSD	4,866	CHZ	203%	10SET	35%
					BNB	960	AMP	197%	THETA	41%

## Traditional Finance

Global Equity Markets*							SPX vs. BTC, Last 12 Months	
	US	USGrwth	UK	Germany	Japan	HK		
1D	0%	0%	0%	0%	0%	-1%		
7D	-3%	-4%	-2%	-6%	-3%	-2%		
90D	2%	5%	-8%	-18%	-5%	-5%		
365D	-8%	-16%	-8%	-37%	-19%	-20%		

10-Year Treasury Yields							Commodities & FX					
	US	Brazil	UK	Germany	Japan	HK		WTI	Gas	Gold	EUR/USD	USD/JPY
Last	3.09%	12.07%	2.71%	1.38%	0.22%	2.91%	Last	94	9.3	1,756	0.99	137.1
1d Chg	+0.033	0	+0.1335	+0.0625	-0.004	-0.057	1d % Chg	+0.06%	+0.64%	-0.28%	-0.43%	+0.20%

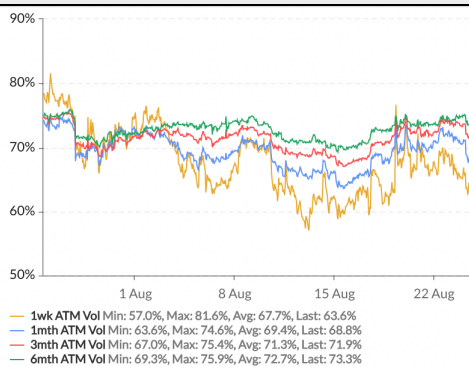
## Crypto News

[Plaid executive breaks down the future of digital finance - The Block](#)  
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[Why crypto's VC kingmakers are backing rival startups - The Block](#)  
[Distributed Finance acquires Algorand NFT marketplace Rand Gallery - The Block](#)  
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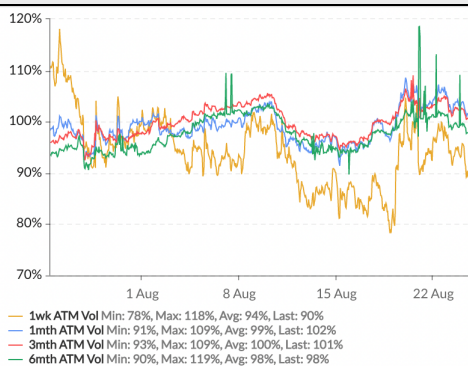


## Crypto Options

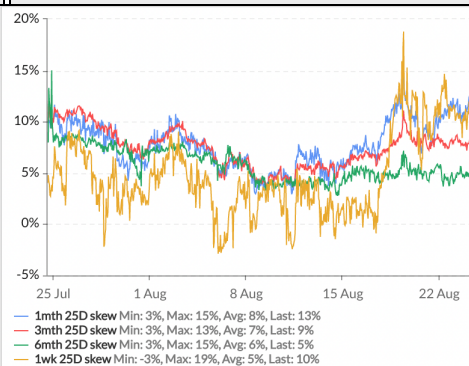
### BTC ATM Implied Vol, 1m



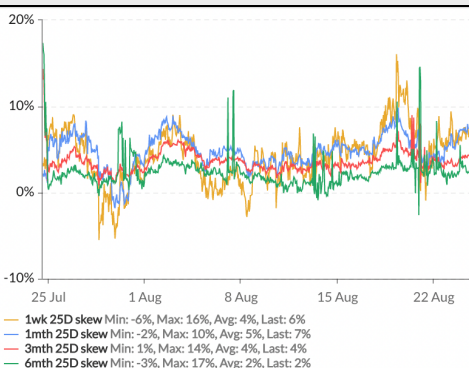
### ETH ATM Implied Vol, 1m



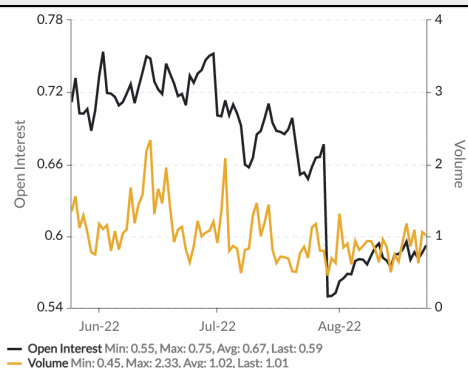
### BTC 25d Skew, 1m



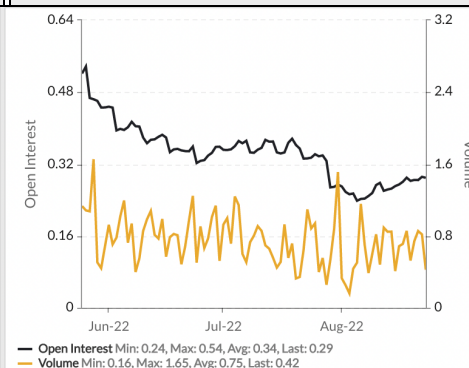
### ETH 25d Skew, 1m



### BTC Put/Call Ratios, 3m

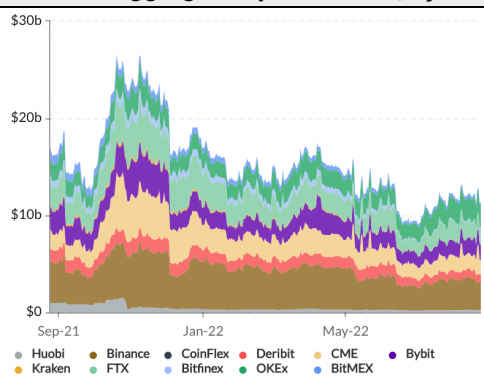


### ETH Put/Call Ratios, 3m

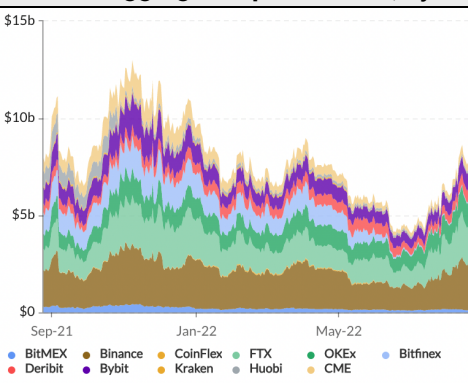


## Crypto Futures

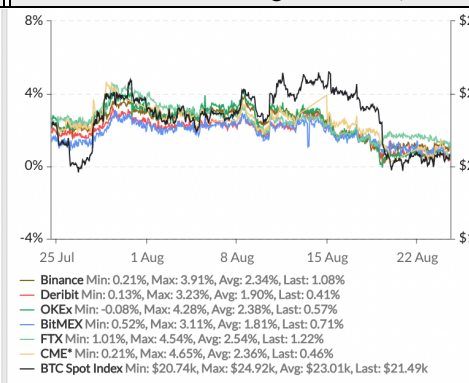
### BTC Aggregate Open Interest, 1y



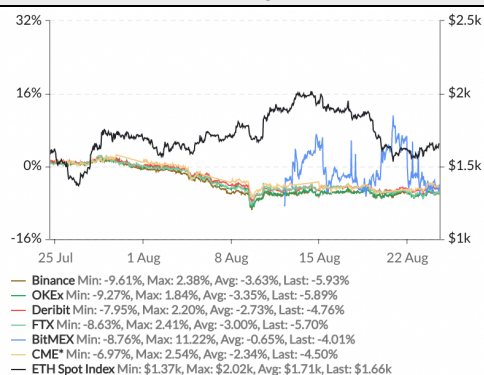
### ETH Aggregate Open Interest, 1y



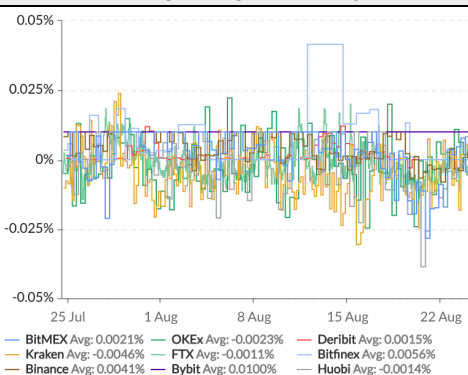
### BTC Annlzd Rolling 3m Basis, 1m



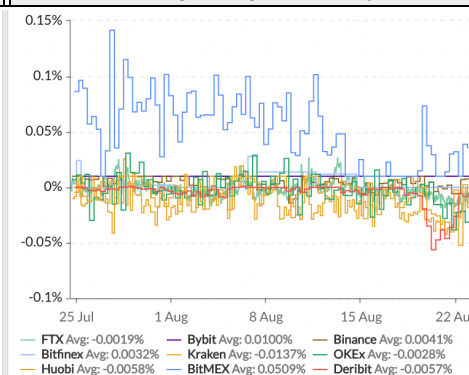
### ETH Annlzd Rolling 3m Basis, 1m



### BTC Perp Swaps Funding, 1m



### ETH Perp Swaps Funding, 1m





# Market Update – August 24, 2022

## About GSR

GSR is a global leader in digital asset trading, market making, OTC derivatives, and investments. We operate in a culture of excellence and leverage our first-rate reputation, deep relationships and proprietary trading technology to move swiftly and capitalize on market opportunities.

GSR's experienced team brings together decades of institutional trading expertise, while our industry-leading proprietary technology stack anchors everything we do.

Our main service areas are: market making; proprietary and algorithmic trading; client execution; structured products; risk management solutions; and portfolio investments.

For more information or if we can help with anything, please see [gsr.io](https://gsr.io) or contact us at [gsr@gsr.io](mailto:gsr@gsr.io).

## Required Disclosures

\*Based on price returns for the following ETFs: VOO, QQQ, EWU, EWG, EWJ, and EWH.

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