

Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

Bitcoin (BTC)

C\$15,562 (US\$11,721)

August 06, 1:30 pm

Shane Thomson, CFA

shane@bitvo.com

403.407.0046

■ General Cryptocurrency News:

- Bitcoin SV's recent hard fork resulted in the formation of three chains after a large 210 megabyte block was mined. On August 3, 2019, Bitcoin SV nodes divided into three groups, making the network split into three separate chains with 65% of nodes located on the intended new chain, while 17% remain stuck on the 210 MB block and 18% have not even upgraded and are on the old pre-hard fork chain.
- Potentially positive government announcements came out of the United States and Australia last week with respect to cryptocurrency. United States Senator, Michael Crapo, emphasized that he feels the U.S. should play a key role in cryptocurrency development stating "I want the U.S. to stay at the forefront of this technology, which both has incredible potential and incredible risk."
- Additionally, Steve Bannon, whose influence helped Donald Trump win the White House, publicly disagreed with the president last week on cryptocurrencies. "Cryptocurrencies have a big future," Bannon said in an interview with CNBC on Friday. "They could be a very important part going forward, particularly in this global populist revolt."
- In Australia, a government memorandum stated that the government is considering banning cash payments over \$10,000 but contemplating carving cryptocurrency out of this regulation.

■ BTC News:

- Bitcoin.com has appointed Stefan Rust as the company's new chief executive officer as Roger Ver leaves the post, according to an announcement. Prior to becoming Bitcoin.com's CEO, Rust served as the company's Global Head of Corporate and Business Development. Ver will continue to be involved with the company as the organization's executive chairman.

■ Trading History YTD:

- Overall, the price of BTC has experienced tremendous positive momentum on the year, increasing from US\$3,700 to start the year to almost US \$12,000 today, making it the best performing asset of 2019.

Current Environment:

- Following a volatile July, the price of BTC regained positive momentum, increasing steadily throughout the week last week.
- Volumes for the week averaged 1.6 million coins per day, similar to the previous week's volumes.

Technical Trading Score*: [LOG IN TO VIEW](#)

Date Of Inception: 2009

Primary Use: CURRENCY

Coins Outstanding: 18mm

Maximum Coins: 21mm

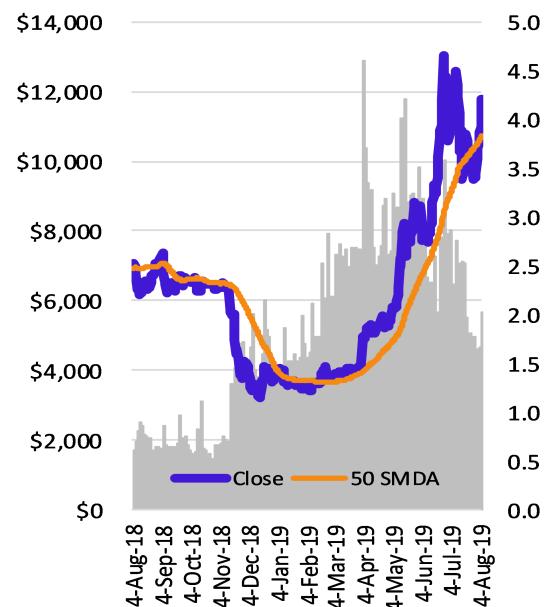
POW or POS: WORK

Current Mining Fee (USD): ~\$1.46

Website: <https://bitcoin.org>

Coin Profile

Bitcoin is a decentralized coin enabling revolutionary means to exchange value across the globe. It continues to be the biggest and most influential coin, encouraging peer-to-peer payment networks powered by its users with no central or middle authority.



All figures in USD\$, unless otherwise specified

Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.



Bitcoin
Available!



Relatively Favourable

Overall Technical Score

Short Term



Available!
Bitvo.com

Medium Term



Available!
Bitvo.com

Long Term



Available!
Bitvo.com

Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

Ether (ETH)

C\$303 (US\$228)
August 06, 1:30 pm

Shane Thomson, CFA
shane@bitvo.com
403.407.0046

■ ETH News:

- No significant Ether related news last week.

■ Trading History YTD:

- The price of ETH commenced the year relatively stable before accelerating in May and then stabilizing to falling slightly in June and July, while still remaining in positive territory on the year.
- However, with the positive performance of BTC in 2019, ETH has underperformed BTC, with the price of ETH in BTC terms generally trending down since the end of February.

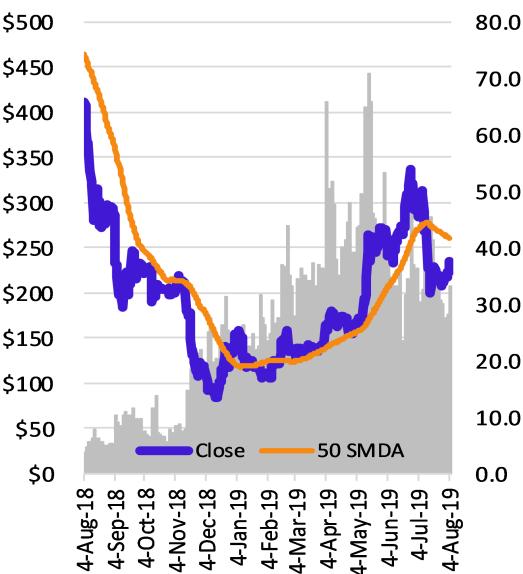
■ Current Environment:

- The price of ETH also rose steadily throughout the week in USD terms.
- However, the price of ETH continued to underperform BTC, continuing to fall relative to the world's top ranked coin in terms of market capitalization.
- Volumes for the week averaged 27.4 million coins per day, which is lower than the previous week's volumes of 29.7 million coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2014
Primary Use:	SMART CONTRACTS
Coins Outstanding:	107mm
Maximum Coins:	NO MAX
POW or POS:	WORK
Current Mining Fee (USD):	~\$0.24
Website:	https://www.ethereum.org/

Coin Profile

Ethereum is a decentralized platform that runs smart contracts: applications that run exactly as programmed without any possibility of downtime, censorship, fraud or third-party interference. These apps run on a custom built blockchain. Ether is the cryptocurrency generated by and used on the Ethereum platform.



Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.

All figures in USD\$, unless otherwise specified

Crypto Market	Overall Technical Score	Short Term	Medium Term	Long Term
 Ether	 Relatively Favourable	 Available! Bitvo.com	 Available! Bitvo.com	 Available! Bitvo.com

In the image above, a Bull represents relatively favourable technical analysis indicators and a Bear represents relatively unfavourable technical analysis indicators.

Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

XRP

C\$0.42 (US\$0.31)
August 06, 1:30 pm

Shane Thomson, CFA
shane@bitvo.com
403.407.0046

XRP News:

- Amidst speculation that potential competing coins such as Libra will limit XRP's growth and use cases, the price of XRP has underperformed other major coins so far in 2019, resulting in a widening of market capitalization between XRP and other top currencies, Bitcoin and Ether.
- XRP's market capitalization has dropped to below US\$15 billion, versus Bitcoin's at over US\$210 billion and Ether's at over US\$25 billion.

Trading History YTD:

- XRP has underperformed other major cryptocurrencies so far in 2019, with its price trending down or flat from January through May.
- While XRP participated in May and June's almost universal cryptocurrency price rally, it did not benefit to the same extent as other major cryptocurrencies.
- As a result of the above, the price of XRP has declined steadily in terms of BTC since the beginning of 2019.

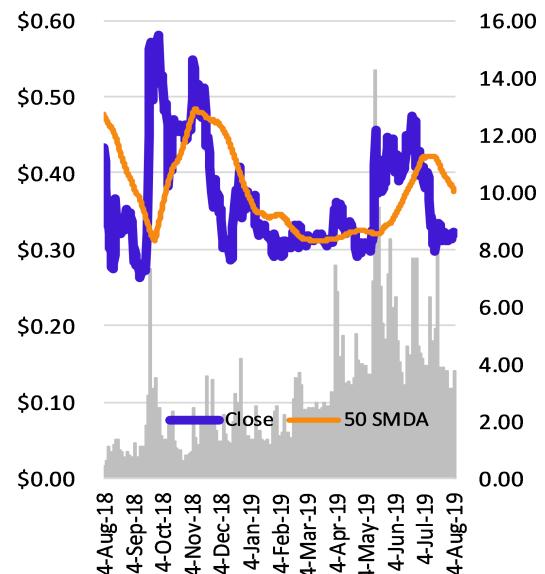
Current Environment:

- The price of XRP benefited last week from the broader rally in cryptocurrencies, increasing in USD terms throughout the week.
- However, it continued to underperform other major coins, falling throughout the week in BTC terms.
- Volumes for the week were lower, averaging 2.93 billion coins per day compared to the previous week's volumes of 3.37 billion coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2012
Primary Use:	CURRENCY
Coins Outstanding:	99.99 Billion
Maximum Coins:	100 Billion
POW or POS:	CORRECTNESS
Current Mining Fee (USD):	~\$0.0006
Website:	https://ripple.com/

Coin Profile

XRP is the decentralized native currency employed by Ripple. Ripple is a settlement system, currency exchange and remittance network created by Ripple Labs Inc. It is built upon a distributed open source internet protocol, and supports tokens representing fiat currency or cryptocurrency. The company purports to enable "secure, instantly and nearly free global financial transactions of any size with no chargebacks."



All figures in USD\$, unless otherwise specified

Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.



Relatively Favourable



Relatively Favourable



Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

Bitcoin Cash (BCH)

C\$449 (US\$338)

August 06, 1:30 pm

Shane Thomson, CFA
shane@bitvo.com
403.407.0046

BCH News:

- The market capitalization of Bitcoin Cash over took that of Litecoin for the second time so far in 2019.
- With a current market capitalization of US\$6.03 billion, Bitcoin Cash is now slightly ahead of Litecoin with a market capitalization of US\$5.84 billion.

Trading History YTD:

- Somewhat similar to the trend in the price of BTC, the price of BCH ground sideways for the first quarter of 2019 before experiencing a price spike in early April.
- The price of BCH has trended sideways since the beginning of April in USD terms and negative in BTC terms over the same period.

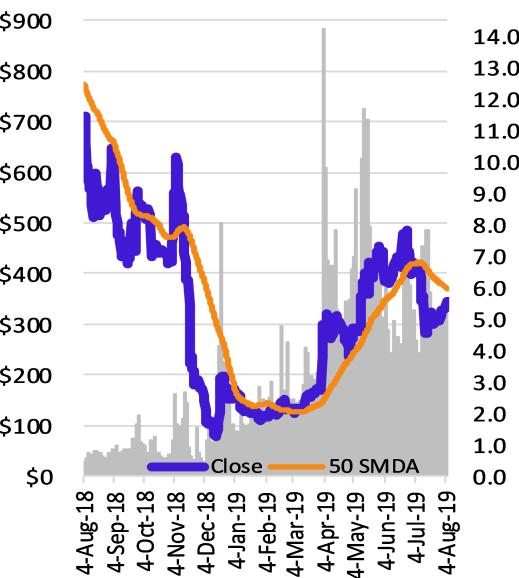
Current Environment:

- The price of BCH rose steadily last week in USD terms, while continuing to underperform BTC and falling steadily in BTC terms.
- Volumes were similar week-over-week, averaging 4.6 million coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2017
Primary Use:	CURRENCY
Coins Outstanding:	18mm
Maximum Coins:	21 mm
POW or POS:	WORK
Current Mining Fee (USD):	~\$0.005
Website:	https://www.bitcoincash.org/

Coin Profile

Bitcoin Cash is peer-to-peer electronic cash for the Internet. It is fully decentralized, with no central bank and requires no trusted third parties to operate. Bitcoin Cash is the continuation of the Bitcoin project as peer-to-peer digital cash. It is a fork of the Bitcoin blockchain ledger, with upgraded consensus rules that allow it to grow and scale.



All figures in USD\$, unless otherwise specified

Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.

Crypto Market	Overall Technical Score	Short Term	Medium Term	Long Term
 Bitcoin Cash	 Relatively Favourable	 Available!	 Available!	 Available!

In the image above, a Bull represents relatively favourable technical analysis indicators and a Bear represents relatively unfavourable technical analysis indicators.

Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

Litecoin (LTC)

C\$122 (US\$92)
August 06, 1:30 pm

Shane Thomson, CFA
shane@bitvo.com
403.407.0046

LTC News:

- Litecoin reduced its block reward for miners by half on Monday August 5, 2019.
- The Litecoin blockchain reached the trigger block height of 1,680,000 at 10:16 UTC on Monday, according to the Litecoin explorer from mining pool operator BTC.com.
- The event marks a major threshold for miners, as the Litecoin network is designed to reduce its mining rewards by half every 840,000 blocks (roughly every four years).
- For this "halving," the mining reward for every block has been reduced from the previous 25 LTC to 12.5 LTC.
- Amidst the halving, the market capitalization of Litecoin slipped below that of Bitcoin Cash for the first time in many months.

Trading History YTD:

- Having started 2019 as a relative outperformer in comparison to other major cryptocurrencies, the price of LTC lost some momentum in April onwards, but for a brief recovery in June.
- Until the end of June, the price of LTC in USD terms has traded positively for most of the year in 2019.
- However, as a result of the above noted recent underperformance, the price of LTC in terms of BTC is now down on the year.

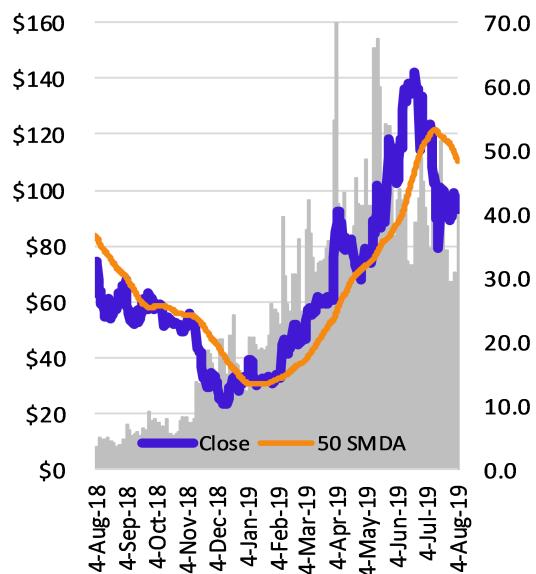
Current Environment:

- The price of LTC continued to underperform last week, moving both up and down throughout the week versus most other coin's steady upward trajectory.
- While the price of LTC ended the week up in USD terms, it continued to trade down in BTC terms.
- Volumes last week averaged 30.3 million coins per day which was higher than the previous week's volume of 28.9 million coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2011
Primary Use:	CURRENCY
Coins Outstanding:	62mm
Maximum Coins:	84 mm
POW or POS:	WORK
Current Mining Fee (USD):	~\$0.0731
Website:	https://litecoin.com/

Coin Profile

Litecoin is a peer-to-peer cryptocurrency and open source software project released under the MIT/X11 license. Creation and transfer of coins is based on an open source cryptographic protocol and is not managed by any central authority. The coin was inspired by, and in technical details is nearly identical to, Bitcoin.



All figures in USD\$, unless otherwise specified

Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.



Crypto Market
Litecoin
Relatively Favourable

Overall Technical Score
Relatively Favourable



Short Term
Available! Bitvo.com



Medium Term
Available! Bitvo.com



Long Term
Available! Bitvo.com

Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

DASH (DASH)

C\$139 (US\$105)

August 06, 1:30 pm

Shane Thomson, CFA
shane@bitvo.com
403.407.0046

DASH News:

- Day to day acceptance of Dash continues to demonstrate growth in inflationary plagued Latin American countries. The Dash LatAm tracker shows that transactions have surpassed 1,100 over the past 28 days with an average of 79.6 transactions per day over the same time period. Additionally, over the past 14 days, a median transaction amount of \$5.02 USD per transaction was reached. There are now 301 active out of 616 total Dash-accepting merchants across the continent, up from 280 active merchants out of 616 total a month ago.
- Brazilian payment and service gateway Kamoney has committed to integrating Dash, which will expand Brazilian's ability to live off Dash by paying bills in Dash via the Brazilian Barcode system (Boleto) or by making everyday purchases via gift cards and a limit release debit card..

Trading History YTD:

- After a generally stable start to the year, the price of Dash has experienced more positive than negative price momentum from February 2019 onwards in terms of USD.
- However, given the larger price appreciation seen in BTC, the price of Dash has trended negatively since the end of March in BTC terms.

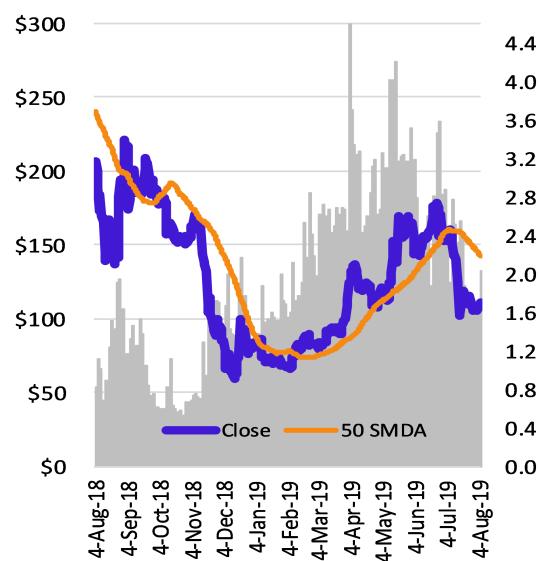
Current Environment:

- The price of Dash saw movements both up and down last week. Overall, the price of Dash experienced more positive than negative momentum and ended the week up in USD terms.
- However, the price appreciation Dash experienced was less than that of BTC on a relative basis and, as a result, the price of Dash continued to trend negatively in BTC terms.
- Volumes were similar week-over-week, averaging 1.6 million coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2014
Primary Use:	CURRENCY
Coins Outstanding:	9 mm
Maximum Coins:	22 mm
POW or POS:	STAKE
Current Mining Fee (USD):	~\$0.0142
Website:	https://www.dash.org/

Coin Profile

Dash is an open source peer to peer cryptocurrency. On top of Bitcoin's feature set, it currently offers instant transactions, private transactions and operates a self-governing and self-funding model that enables the Dash network to pay individuals and businesses to perform work that adds value to the network. Dash's decentralized governance and budgeting system makes it a decentralized autonomous organization.



All figures in USD\$, unless otherwise specified

Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.



Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

Ethereum Classic (ETC)

C\$7.87 (US\$5.93)
August 06, 1:30 pm

Shane Thomson, CFA
shane@bitvo.com
403.407.0046

■ ETH Classic News:

- No significant Ethereum Classic related news last week.

■ Trading History YTD:

- After trading sideways for most of the first quarter of 2019, the price of ETC has benefited from broader momentum in the cryptocurrency space, trading generally positively from April through the end of June, before correcting again in July in terms of USD.
- However, ETC has generally underperformed other major cryptocurrencies with its price trending negatively throughout most of the recent rally in terms of BTC.

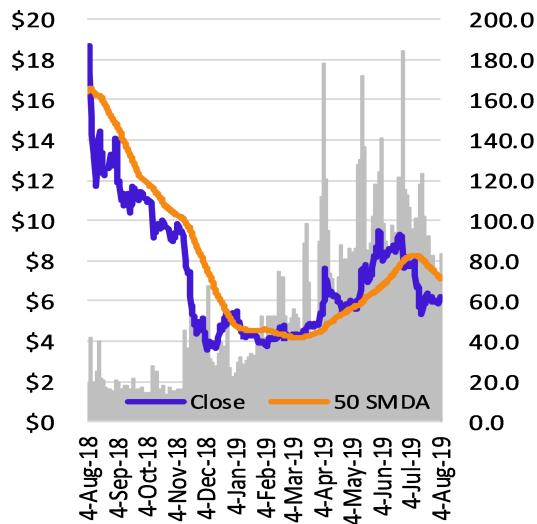
■ Current Environment:

- The price of ETC continued to underperform last week, trading sideways for most of the week before appreciating over the weekend.
- Volumes were lower week-over-week, averaging 71.6 million coins per day compared to the previous week's volumes of 84.3 million coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2016
Primary Use:	SMART CONTRACTS
Coins Outstanding:	112 mm
Maximum Coins:	NO MAX
POW or POS:	WORK
Current Mining Fee (USD):	~\$0.0023
Website:	https://ethereumclassic.org/

Coin Profile

Ethereum Classic is an open-source, public, blockchain-based distributed computing platform featuring smart contract (scripting) functionality. It provides a decentralized Turing-complete virtual machine, the Ethereum Virtual Machine (EVM), which can execute scripts using an international network of public nodes. ETC has a value token called "ether", which can be transferred between participants or stored in a cryptocurrency wallet.



Technical Scoring

Please log in to your Bitvo account for real time Technical Analysis Scores and other technical trading indicators.

All figures in USD\$, unless otherwise specified



Ethereum Classic



Relatively Favourable

Overall Technical Score

Short Term



Available!
Bitvo.com

Medium Term



Available!
Bitvo.com

Long Term



Available!
Bitvo.com

Cryptocurrency Trading Update

B

Bitvo.com

August 06, 2019

DISCLAIMER

The information contained in this report has been compiled by Bitvo Global Inc. ("Bitvo") from sources believed to be reliable, but no representation or warranty, express or implied, is made by Bitvo, its affiliates or any other person as to its accuracy, completeness or correctness. All opinions and estimates contained in this report constitute Bitvo's judgement as of the date of this report, are subject to change without notice and are provided in good faith but without legal responsibility. Nothing in this report constitutes legal, accounting or tax advice or individually tailored investment advice. This material is prepared for general circulation to clients and has been prepared without regard to the individual financial circumstances and objectives of persons who receive it. The Bull and Bear symbols represent relatively favourable or unfavourable technical indicators, respectively, and the presence or absence of these symbols and any language pertaining to these symbols does not represent any advice, representation or guidance from Bitvo as to whether you should buy, sell or hold any cryptocurrency. The cryptocurrencies or services contained in this report may not be suitable for you and it is recommended that you consult an independent advisor if you are in doubt about the suitability of such cryptocurrencies or services. This report is not an offer to sell or a solicitation of an offer to buy any securities. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. The cryptocurrency market is volatile and rapidly changing and, as a result, the latest published reports available to clients may not reflect recent material changes. Bitvo reports are current only as of the date set forth on the reports. This report is not, and under no circumstances should be construed as, a solicitation to act as securities broker or dealer in any jurisdiction by any person or company that is not legally permitted to carry on the business of a securities broker or dealer in that jurisdiction. To the full extent permitted by law neither Bitvo nor any of its affiliates, nor any other person, accepts any liability whatsoever for any direct or consequential loss arising from any use of this report or the information contained herein. No matter contained in this document may be reproduced or copied by any means without the prior consent of Bitvo.