

Cryptocurrency Trading Update

B

Bitvo.com

November 4, 2019

Bitcoin (BTC)

C\$12,260 (US\$9,323)

November 4, 2019 2:00 pm

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General Cryptocurrency News:

- The Association of German Banks, a group that has over 200 banks as members, is calling for a digital Euro as a way of speeding up transactions versus the current system.
- The deadline to file a claim related to loss of funds in the Mt. Gox collapse has been extended to 2020, from October 28, 2019.
- Vault12 is helping to de-risk private key loss with its newly launched private key recovery software. This service allows an individual to divide a private key and distributed to a number of trusted parties so that, if they lose access to a wallet, a portion of the designated group can recreate the private key.
- As countries with unstable fiat currencies continue to adopt cryptocurrencies, Paxful reported that year over year cryptocurrency trading volume in South Africa has increased over 2,800%.

BTC News:

- The Ontario Securities Commission released a decision that will allow 3iQ Corp., a Canadian investment manager, to offer the world's first publicly traded Bitcoin investment fund. The fund is expected to list on one of the major exchanges and will use VanEck's MV Index as the benchmark.
- Bitmain and Caanan, first and second largest provider of Bitcoin mining rigs, have filed for IPOs with US Securities and Exchange Commission. Both companies attempted a similar filing on the Hong Kong Stock Exchange but both applications have lapsed.

Trading History YTD:

- Since the end of June, the price of BTC has traded sideways to negative with positive price momentum continually countered by downward pressure and the price of BTC looking to find a level it can support.

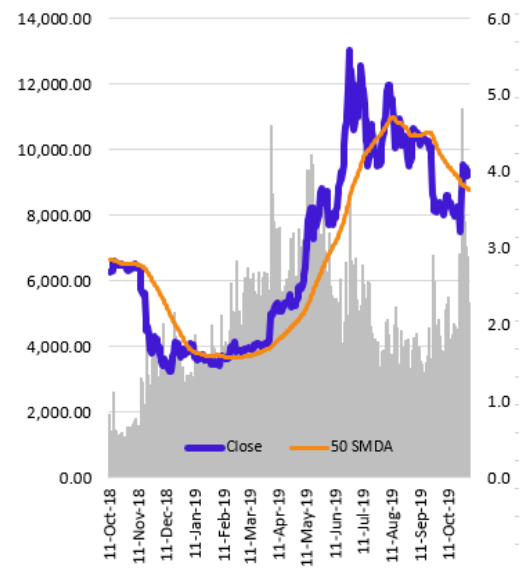
Current Environment:

- After a significant price spike the prior week, the price of BTC resumed its sideways to negative trading trend last week, ending the week slightly below where it began.
- Volumes for the week were lower, averaging 2.78 million coins per day.

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):	~\$0.476
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.

Crypto Market



Bitcoin

Overall Technical Score



Relatively Unfavourable

Short Term



Medium Term



Long Term



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

November 4, 2019

Ether (ETH)

C\$246 (US\$187)

November 4, 2019 2:00 pm

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■ ETH News:

- Microsoft has started taking early applications for preview of their Azure Blockchain Token platform that is based on the Ethereum network. The project will allow enterprises to issue and manage a variety of assets while benefiting from non-fungibility and ease of audit.

■ Trading History YTD:

- The price of ETH commenced the year relatively stable before accelerating in May and then falling July onwards.
- While the price of ETH has given up most of its year to date gains, it remains in positive territory on the year in USD terms.
- 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.

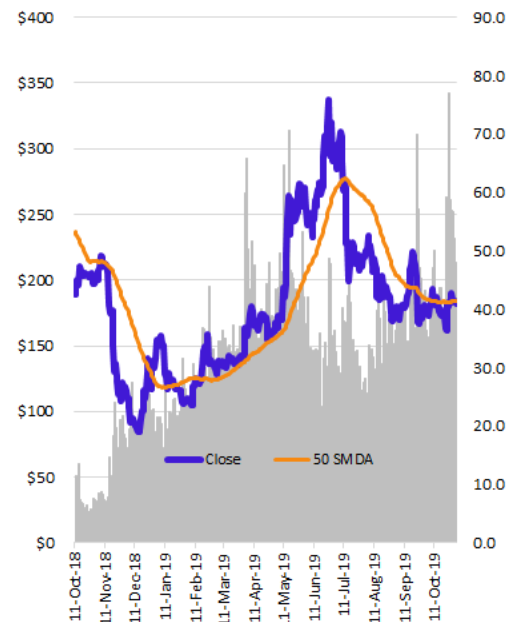
■ Current Environment:

- The price of ETH was volatile last week. Ultimately upward movements outweighed downward pressure with the price of ETH ending the week higher both in USD and BTC terms.
- Volumes for the week averaged 51.9 million coins per day, which is slightly below than the previous week's volumes of 53.8 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):	~\$0.129
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.



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Technical Scoring

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Crypto Market



Ether

Overall Technical Score



Relatively Unfavourable

Short Term



Medium Term



Long Term



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XRP

C\$0.39 (US\$0.30)

November 4, 2019 2:00 pm

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■ XRP News:

- Ripple promoted XRP last week stating that it is one tenth as risky to other international payments, primarily due to the speed in which XRP is transferred between parties compared to a swift wire that can take up to 14 days to be received and the uncertainty of the exchange rate one will experience during this time.

■ 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.
- Overall, the price of XRP is down on the year in USD terms and, as a result of the above noted underperformance versus other cryptocurrencies, the price of XRP has declined steadily in terms of BTC since the beginning of 2019.
- However, for the first time in 2019, XRP has begun to outperform other major cryptocurrencies recently increasing in both USD and BTC terms for most of the past month.

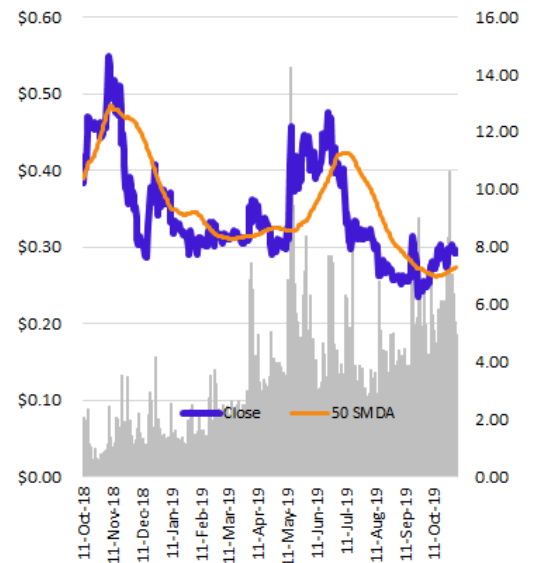
■ Current Environment:

- In a volatile week last week, the price of XRP saw sharp movements both up and down before settling down on the week both in USD and BTC terms.
- This marks second week in a row that XRP has lost momentum against BTC, after outperforming for the past month.
- Volumes for the week averaged 3.84 billion coins per day, which is lower than the previous week's volumes of 5.58 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):	~\$0.0003
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

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Crypto Market



XRP

Overall Technical Score



Relatively Unfavourable

Short Term



Available!
Bitvo.com

Medium Term



Available!
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Long Term



Available!
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Bitcoin Cash (BCH)

C\$382 (US\$291)

November 4, 2019 2:00 pm

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■ BCH News:

- No significant BCH related news last week.

■ 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 negatively in BTC terms over the same period.

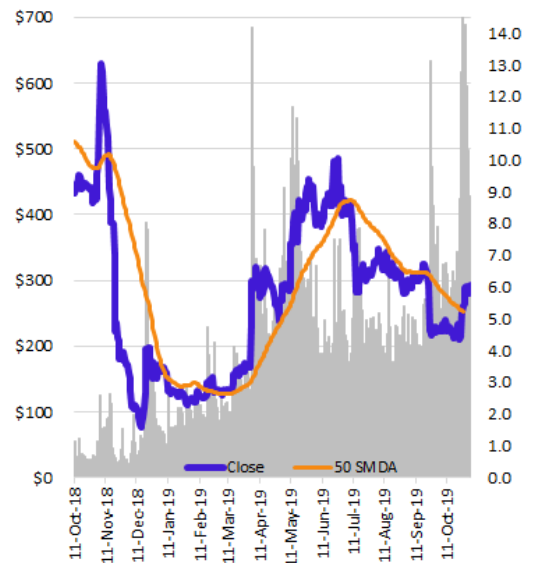
■ Current Environment:

- Overall, the price of BCH experienced positive momentum last week in both USD and BTC terms with a price spike early last week followed by a few days of consolidation before upward momentum resumed again later in the week.
- Volumes were slightly higher week-over-week, averaging 10.6 million coins per day compared to the previous week's 10.1 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):	~\$0.0011
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

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Crypto Market



Bitcoin Cash

Overall Technical Score



Relatively Favourable

Short Term



Available!
Bitvo.com

Medium Term



Available!
Bitvo.com

Long Term



Available!
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Litecoin (LTC)

C\$81 (US\$62)

November 4, 2019 2:00 pm

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■ LTC News:

- No significant Litecoin related news last week

■ Trading History YTD:

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

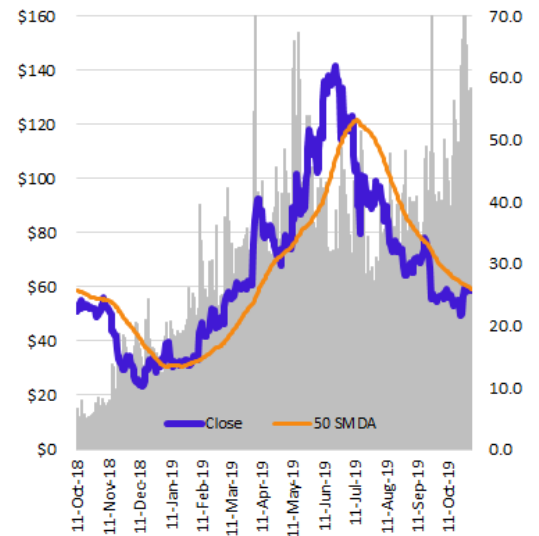
■ Current Environment:

- The price of LTC traded sideways for most of the week last week before accelerating over the weekend and into this week in USD and BTC terms.
- Volumes last week averaged 58.3 million coins per day which was lower than the previous week's volume of 62.8 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):	~\$0.035
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.



Technical Scoring

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Crypto Market



Litecoin

Overall Technical Score



Relatively Unfavourable

Short Term



Medium Term



Long Term



All figures in USD\$, unless otherwise specified

DASH (DASH)

C\$96 (US\$73)

November 4, 2019 2:00 pm

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■ DASH News:

- Cryptoworth, a cryptocurrency multi-purpose asset management solution, integrated Dash into the platform, providing tools to serve accountants, miners, investors, traders, managers, and enterprises. The integration of Dash will enable users to manage their assets across multiple wallets, exchanges, transaction histories, and even have business tools that allow employee management.
- Crypto ATM company BGST added Dash last week, doubling the Dash ATM count in the Netherlands and Belgium. BGST's ATMs allow customers to buy €1,000 per wallet before having to register, after which they can purchase up to €10,000 per day.
- Cryptocurrency brokerage platform Uphold has partnered with Cornerstone Global Management, LLC to facilitate their CP3 (Crypto Pay and Pension Plan) program allowing consumers to receive a portion of their paychecks in Dash.

■ Trading History YTD:

- After a generally stable start to the year, the price of Dash increased in USD terms from April through June before declining July onwards.
- Accounting for movements both up and down, the price of Dash is now in negative territory for the year both in USD and BTC terms.

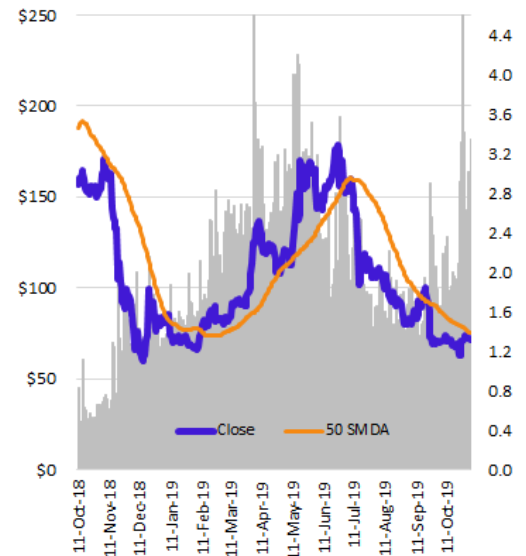
■ Current Environment:

- Downward price pressure on Dash continued last week with the price of Dash grinding sideways to downward both in USD and BTC terms.
- Volumes were lower week-over-week, averaging 2.8 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):	~\$0.006
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

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Crypto Market



Dash

Overall Technical Score



Relatively Unfavourable

Short Term



Medium Term



Long Term



Ethereum Classic (ETC)

C\$6.54 (US\$4.97)

November 4, 2019 2:00 pm

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■ ETH Classic News:

- No significant ETC related news last week.

■ Trading History YTD:

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

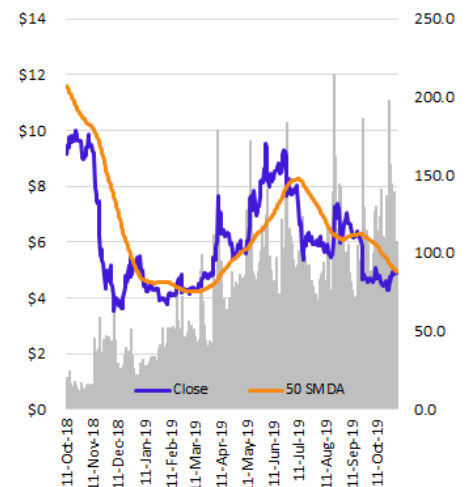
■ Current Environment:

- The price of ETC was stable last week, trending sideways for most of the week in USD and BTC terms.
- Volumes were higher week-over-week, averaging 126.3 million coins per day compared to the previous week's volumes of 139.7 million coins per day.

Technical Trading Score*:	LOG IN TO VIEW
Date Of Inception:	2016
Primary Use:	SMART CONTRACTS
Coins Outstanding:	112MM
Maximum Coins:	NO MAX
POW or POS:	WORK
Current Mining Fee (USD):	~\$0.002
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.



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Technical Scoring

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Crypto Market



Ethereum Classic

Overall Technical Score



Relatively Unfavourable

Short Term



Medium Term



Long Term



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