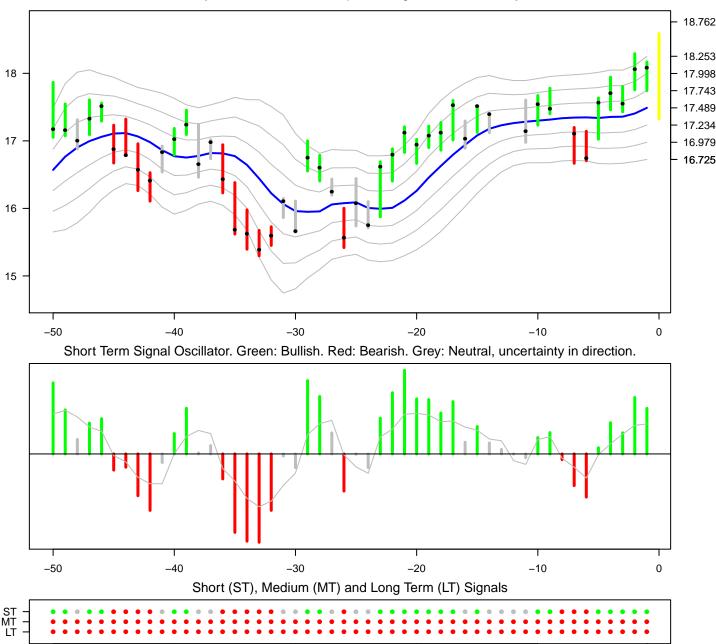
Anglo American (AAL) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



Anglo American (AAL). Channel Alert: The price may move above the upper channel.

30 Nov 18

The short term signal is green, bullish.

The medium term signal is red, bearish

16 Nov 18

The long term signal is red, bearish

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

14 Dec 18

28 Dec 18

A channel alert is given warning that prices may move above or below the trend channel.

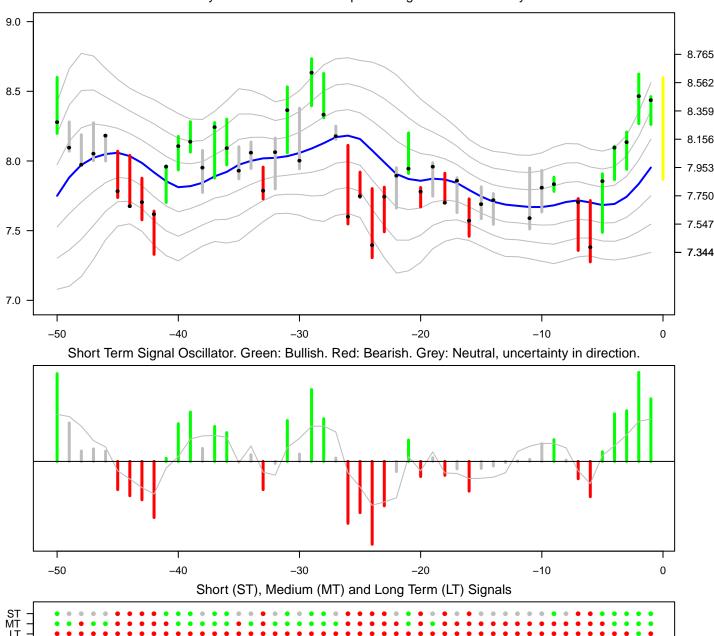
The signals are the output of an algorithm on a factor model and price and are not to be taken as investment advice. They must be viewed together with fundamental analysis and breaking news. Past performance is not indicative of future results.

Every effort has been taken to present the correct information, however, neither Metal Price Analytics Ltd nor its staff are liable to any error that may occur. Historical Data may be subject to revision which may affect the signal.



10 Jan 19

Antofagasta (ANTO) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



Antofagasta (ANTO). Channel Alert: The price may move above the upper channel.

The short term signal is green, bullish.

The medium term signal is green, bullish.

16 Nov 18

The long term signal is red, bearish Alert: The long term oscillator has turned negative.

30 Nov 18

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

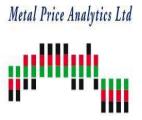
14 Dec 18

28 Dec 18

A channel alert is given warning that prices may move above or below the trend channel.

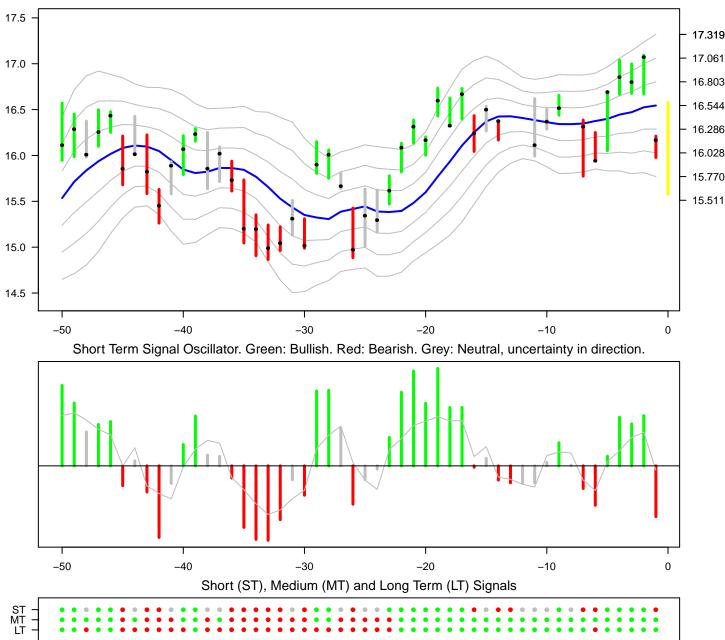
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10 Jan 19

BHP Group (BHP) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



BHP Group (BHP). Channel Alert: The price may move below the lower channel.

The short term signal is red, bearish Alert: The short term oscillator has turned negative.

30 Nov 18

The medium term signal is green, bullish.

16 Nov 18

The long term signal is green, bullish.

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

14 Dec 18

28 Dec 18

A channel alert is given warning that prices may move above or below the trend channel.

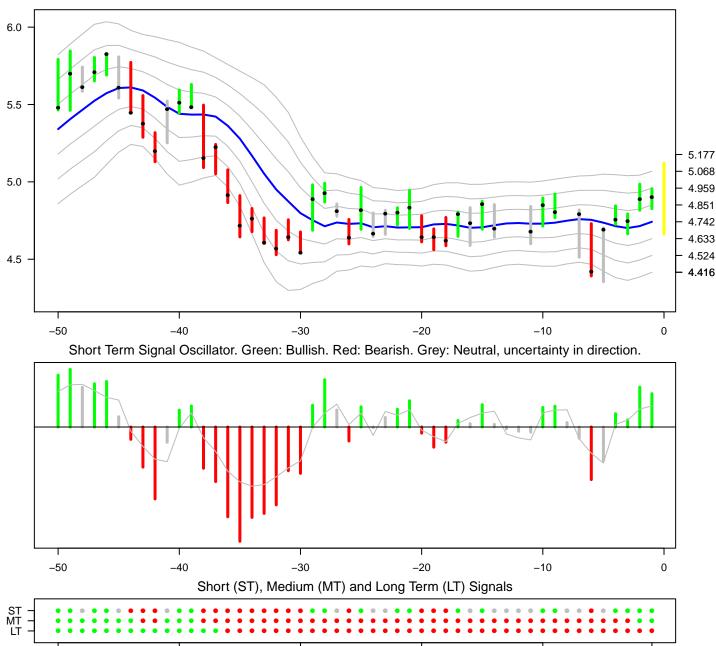
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10 Jan 19

Evraz (EVR) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



Evraz (EVR). Channel Alert: The price may move above the upper channel.

30 Nov 18

The short term signal is green, bullish.

The medium term signal is green, bullish.

16 Nov 18

The long term signal is red, bearish

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

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A channel alert is given warning that prices may move above or below the trend channel.

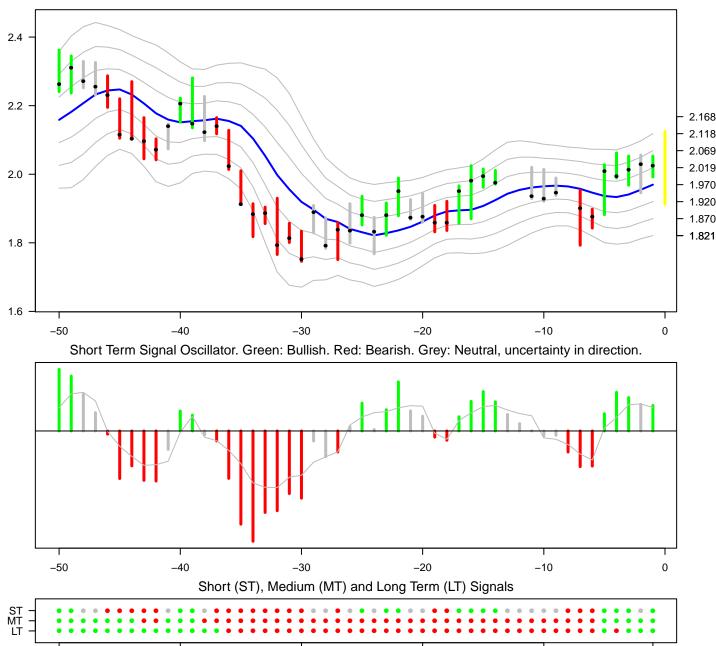
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10 Jan 19

Ferrexpo (FXPO) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



Ferrexpo (FXPO). Channel Alert: The price may move above the upper channel.

30 Nov 18

The short term signal is green, bullish.

02 Nov 18

www.metalpriceanalytics.com

The medium term signal is green, bullish.

16 Nov 18

The long term signal is green, bullish.

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

14 Dec 18

28 Dec 18

A channel alert is given warning that prices may move above or below the trend channel.

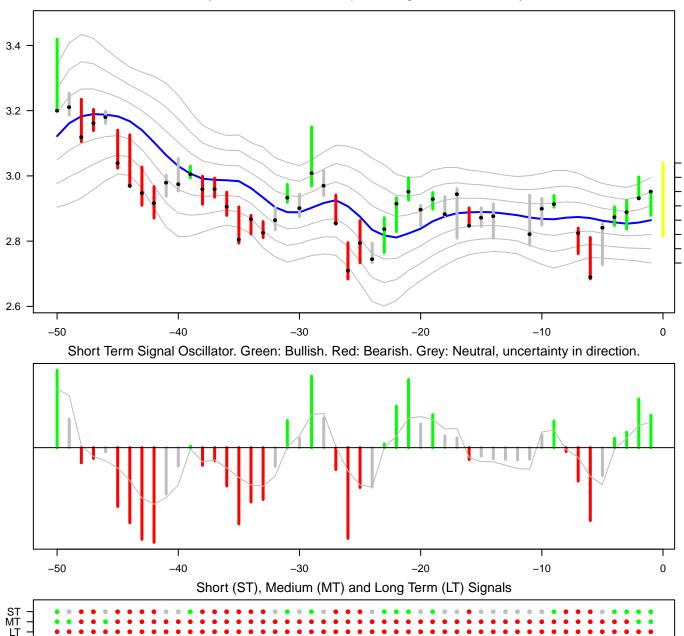
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10 Jan 19

Glencore (GLEN) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



Glencore (GLEN). Channel Alert: The price may move above the upper channel.

30 Nov 18

The short term signal is green, bullish.

The medium term signal is green, bullish.

16 Nov 18

The long term signal is red, bearish

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

14 Dec 18

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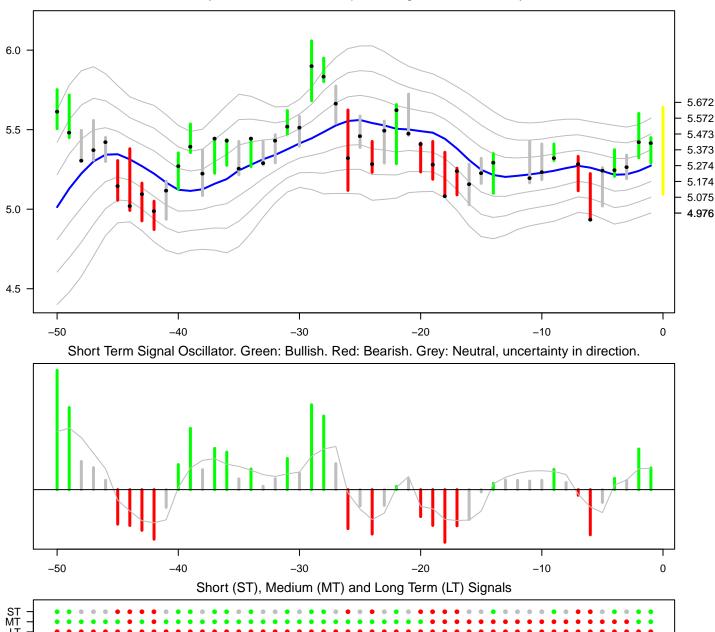
3.039

2 996

2.908 2.864 2.821

2.7772.733

KAZ Minerals (KAZ) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



KAZ Minerals (KAZ). Channel Alert: The price may move above the upper channel.

30 Nov 18

The short term signal is green, bullish.

The medium term signal is green, bullish.

16 Nov 18

The long term signal is red, bearish

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

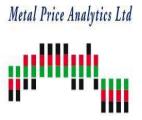
14 Dec 18

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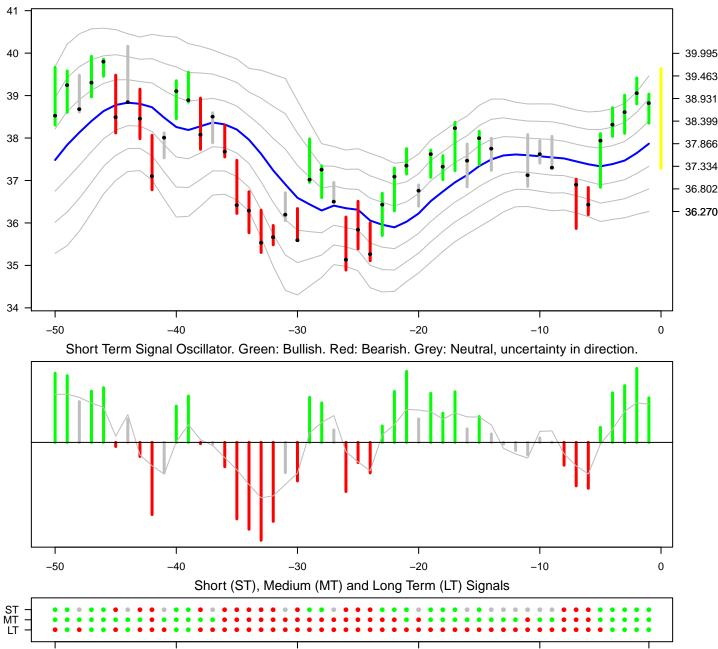
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10 Jan 19

Rio Tinto (RIO) Price and Factor Model Trend Channel. Last Price History Date: 10 Jan 2019. Expected region for the next day: Yellow Bar.



Rio Tinto (RIO). Channel Alert: The price may move above the upper channel.

30 Nov 18

The short term signal is green, bullish.

02 Nov 18

The medium term signal is green, bullish.

16 Nov 18

The long term signal is green, bullish.

The trend channel is constructed from a factor model that looks at the dynamic relationship between related markets.

Among the factors considered in the model are Currencies, U.S. Bonds, Indexes. These weightings can vary through time and are recalculated daily using lasso and ridge regression. The short term signal is obtained from the Signal Oscillator which is calculated using an algorithm on the price movement around the Factor Trend Channel. Signals are also given for the medium and long term trend. A short, medium and long term signal alert is given warning of a possible trend change.

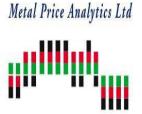
14 Dec 18

28 Dec 18

A channel alert is given warning that prices may move above or below the trend channel.

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10 Jan 19