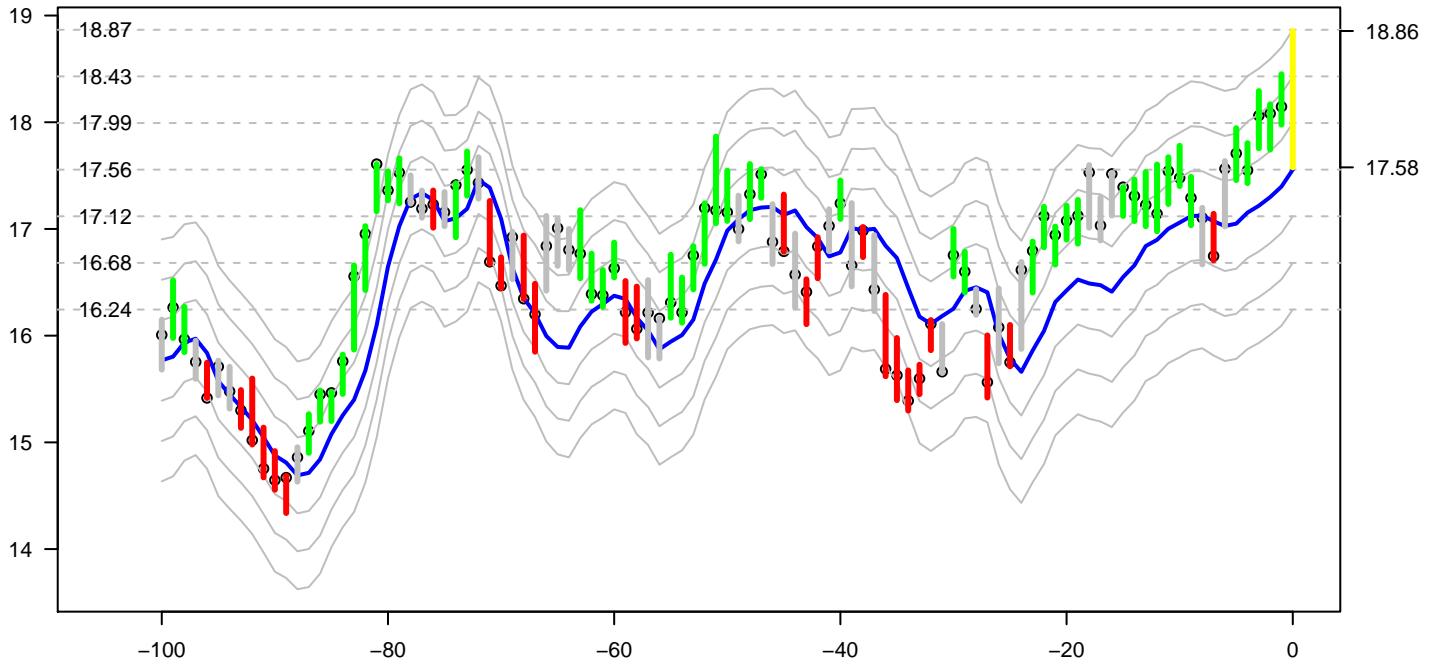
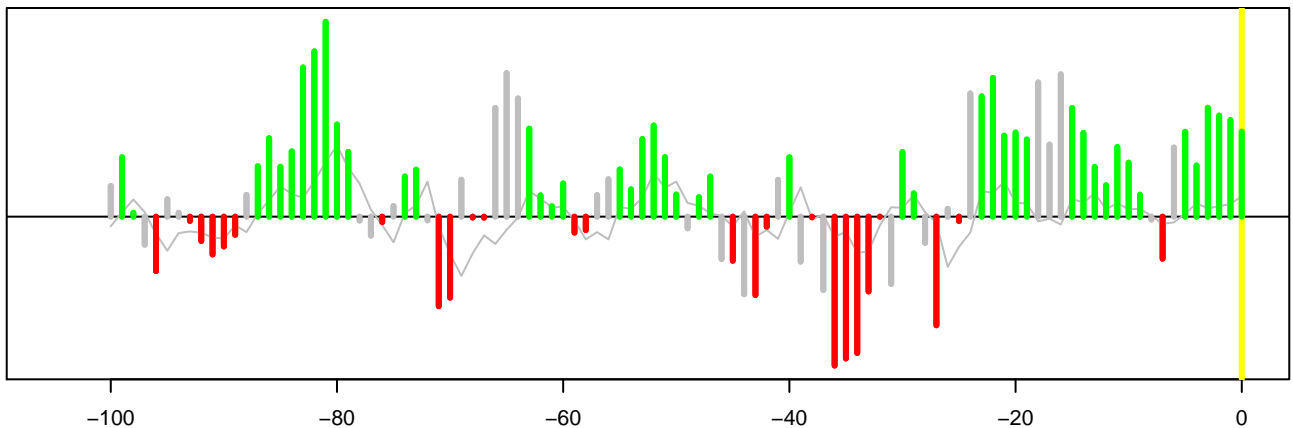


# Metal Price Analytics: General Mining Equities 14-Jan-2019

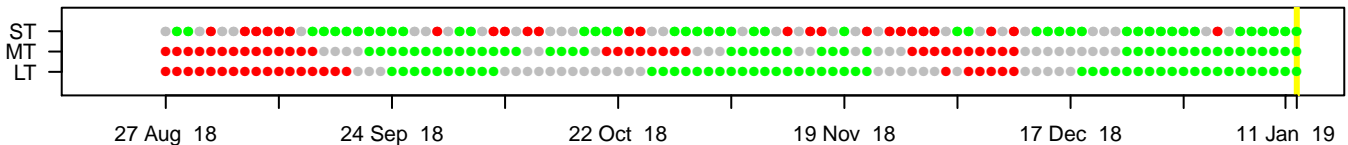
Anglo American (AAL) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



## Anglo American (AAL)

The short term forecast signal is green, bullish.

The medium term forecast signal is green, bullish.

The long term forecast 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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

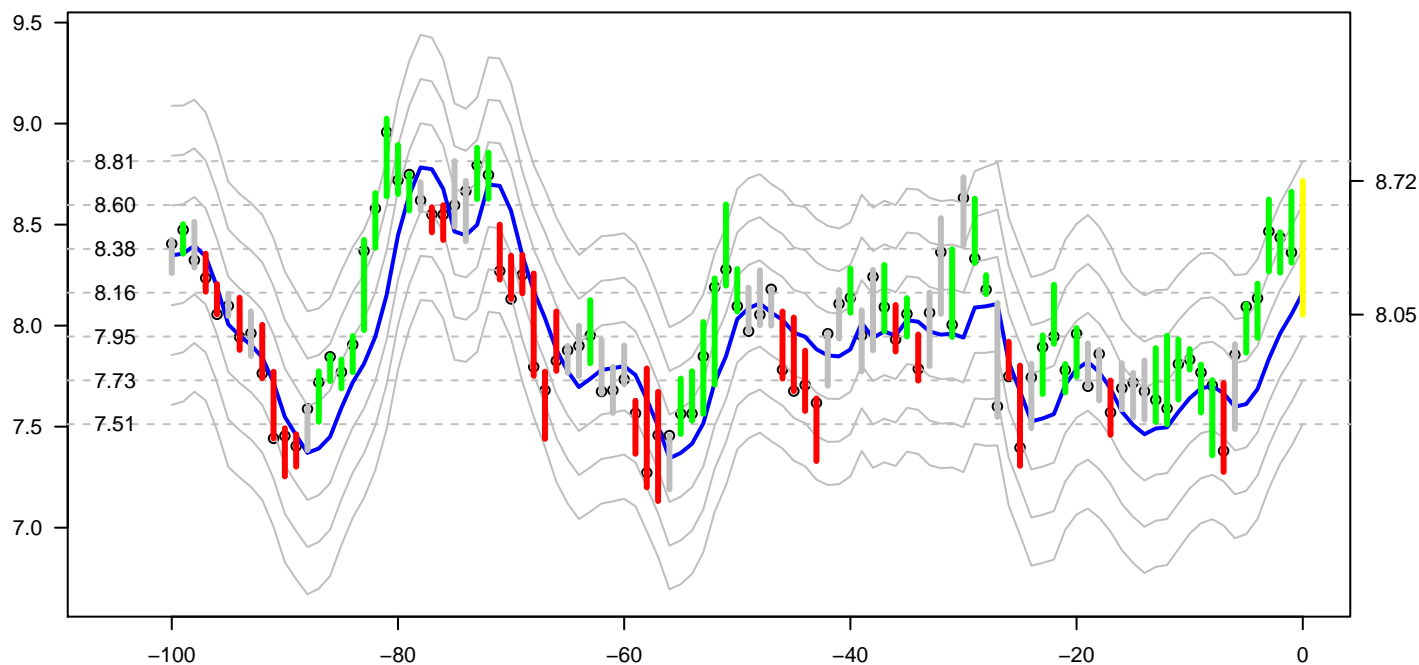
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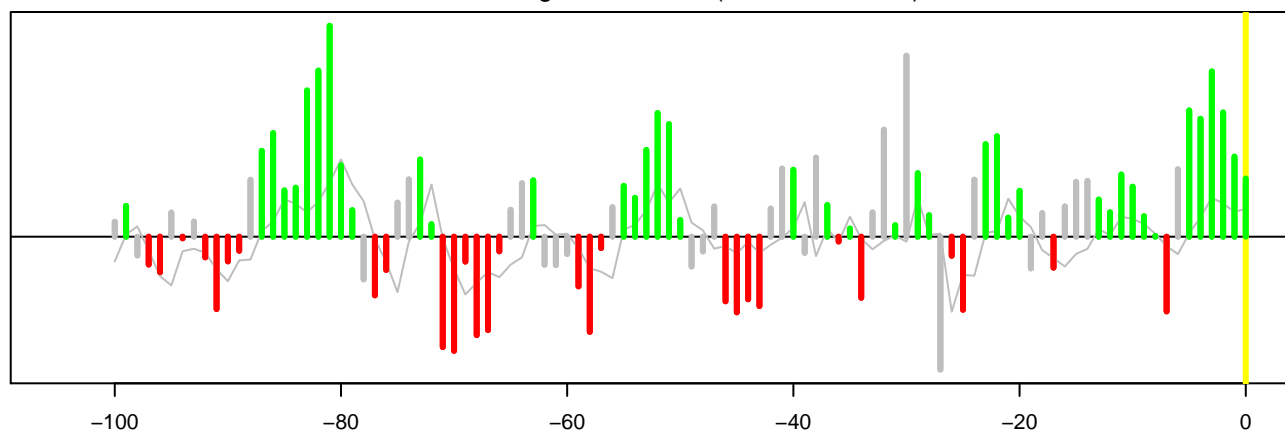


# Metal Price Analytics: General Mining Equities 14-Jan-2019

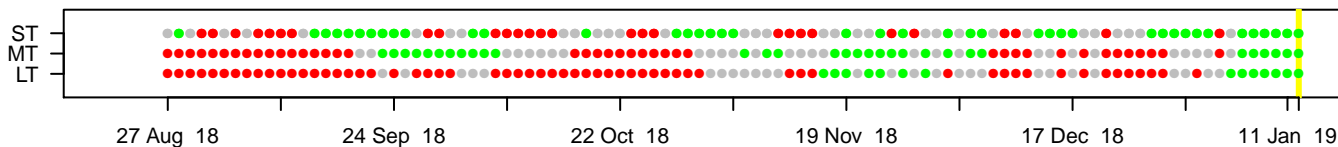
Antofagasta (ANTO) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



## Antofagasta (ANTO)

The short term forecast signal is green, bullish.  
 The medium term forecast signal is green, bullish.  
 The long term forecast 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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

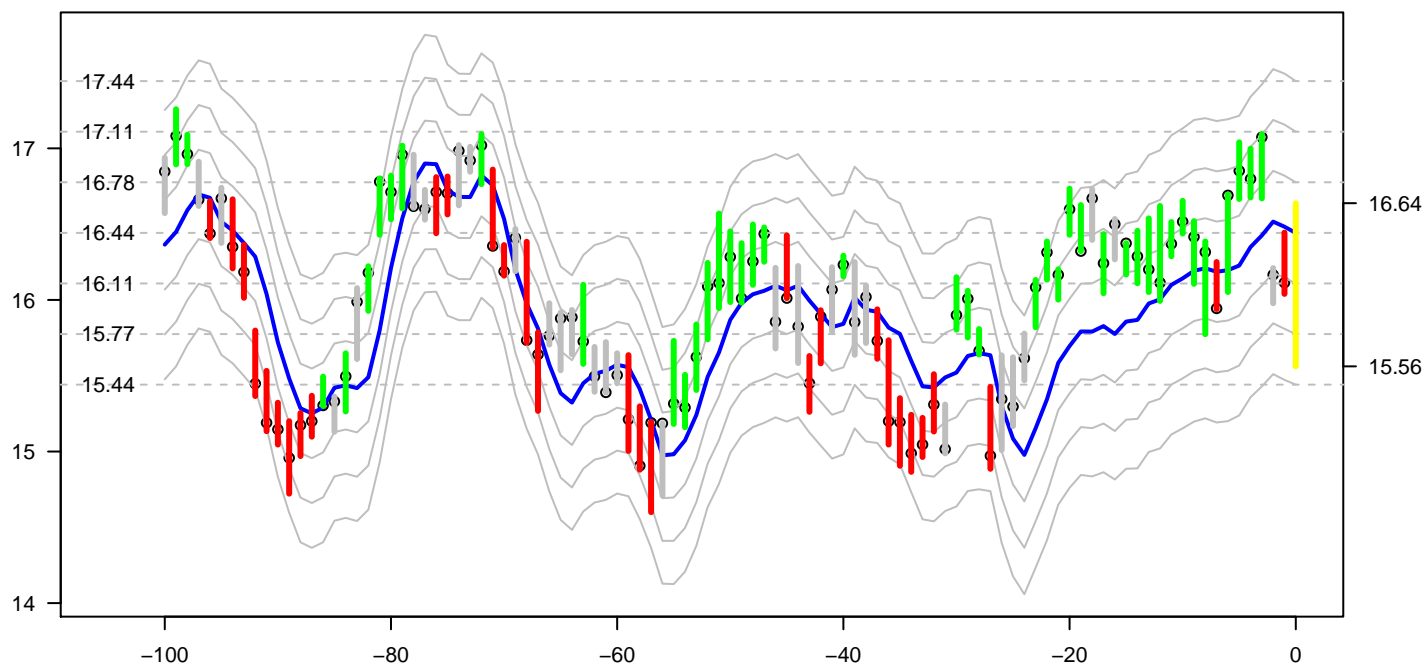
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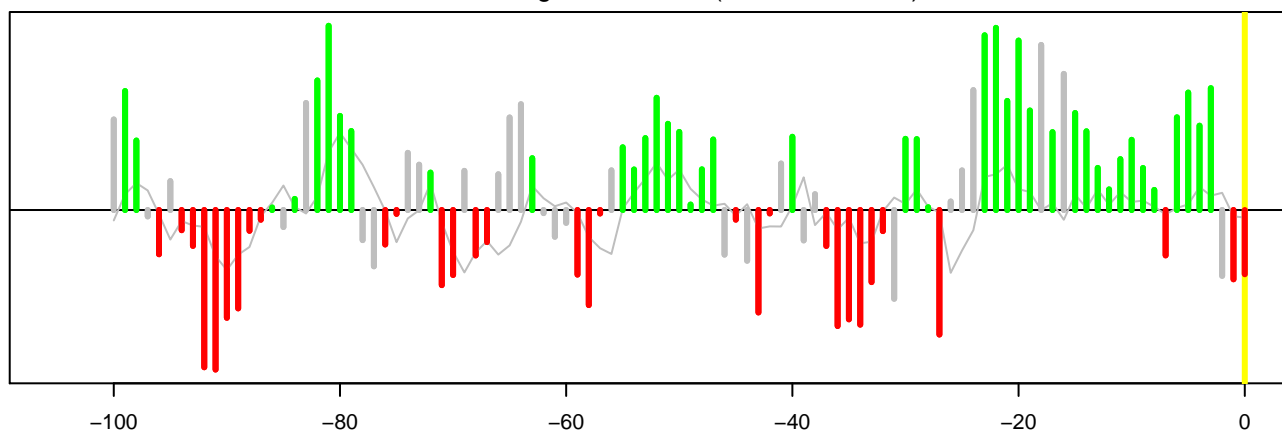


# Metal Price Analytics: General Mining Equities 14–Jan–2019

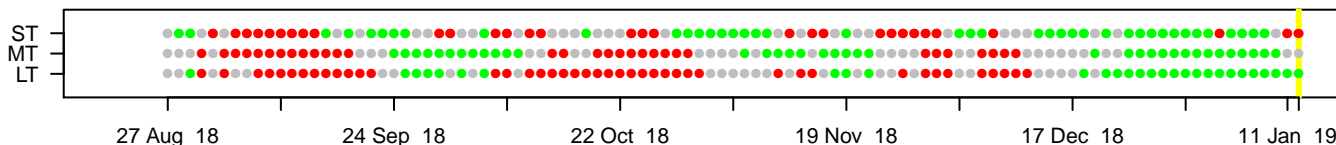
BHP Group (BHP) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



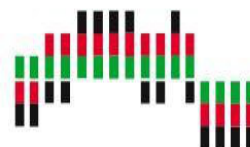
## BHP Group (BHP)

The short term forecast signal is red, bearish Short term signal alert.  
 The medium term forecast signal is grey, neutral. The medium term signal alert.  
 The long term forecast 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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

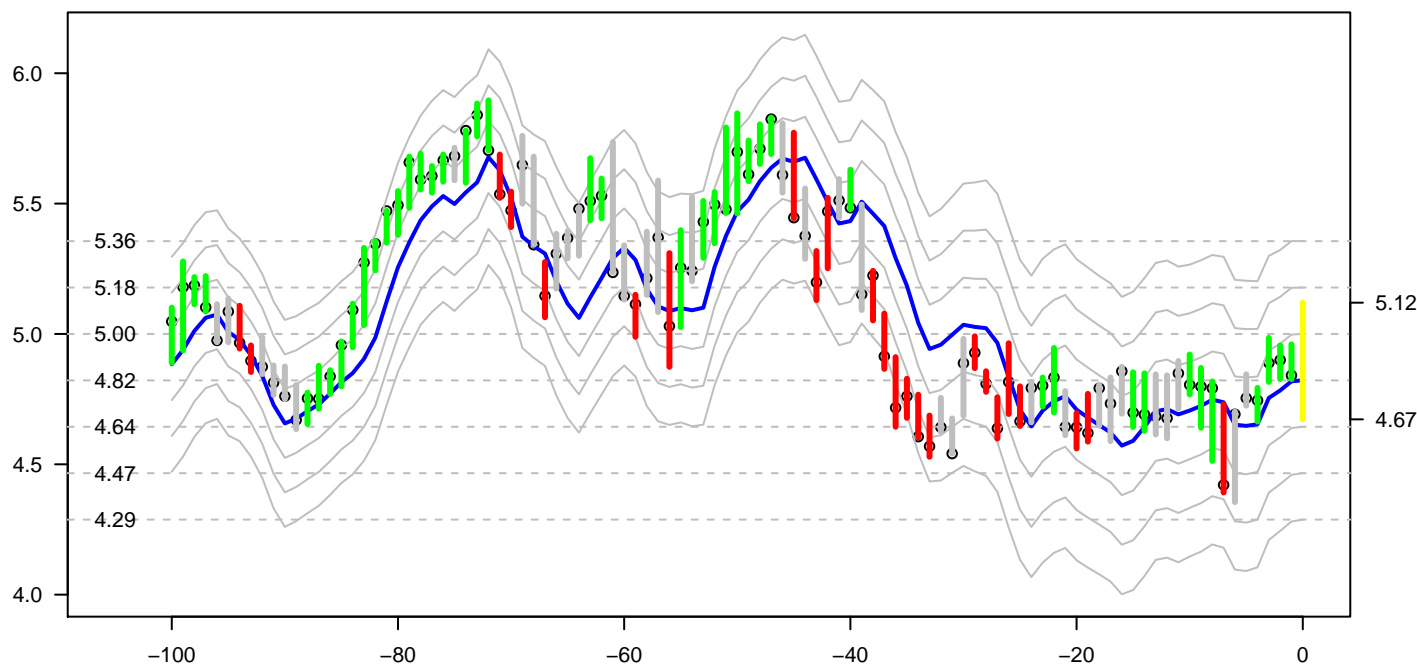
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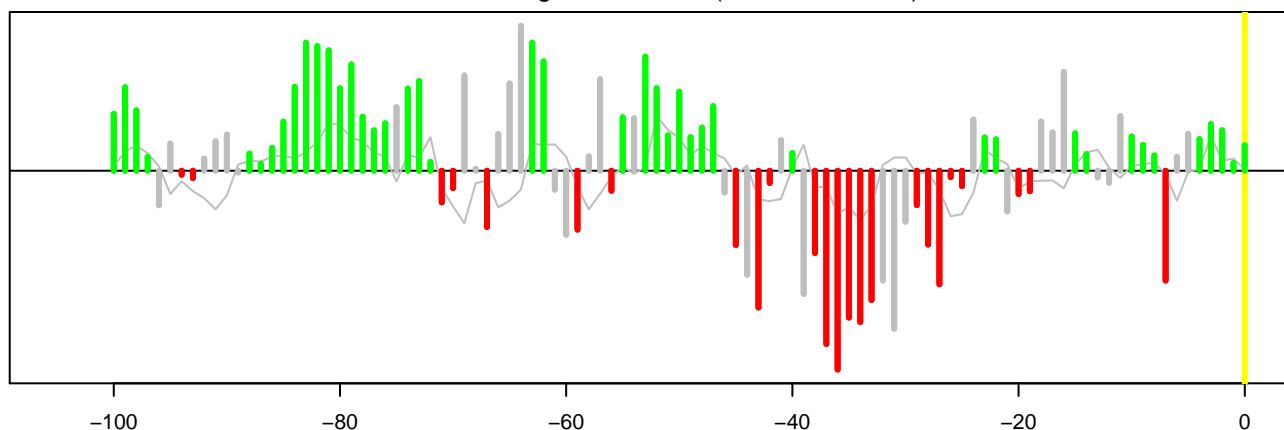


# Metal Price Analytics: General Mining Equities 14-Jan-2019

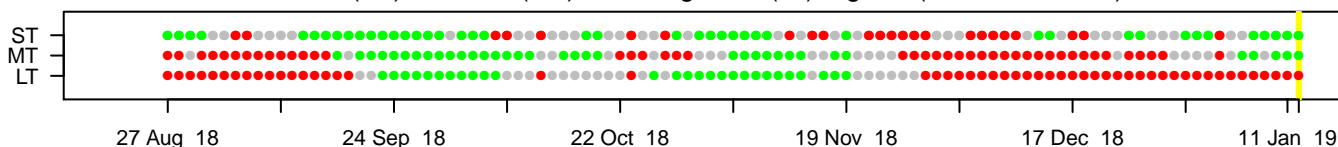
Evraz (EVR) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



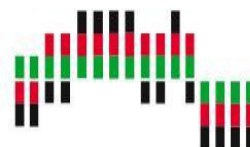
## Evraz (EVR)

The short term forecast signal is green, bullish.  
 The medium term forecast signal is green, bullish.  
 The long term forecast 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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

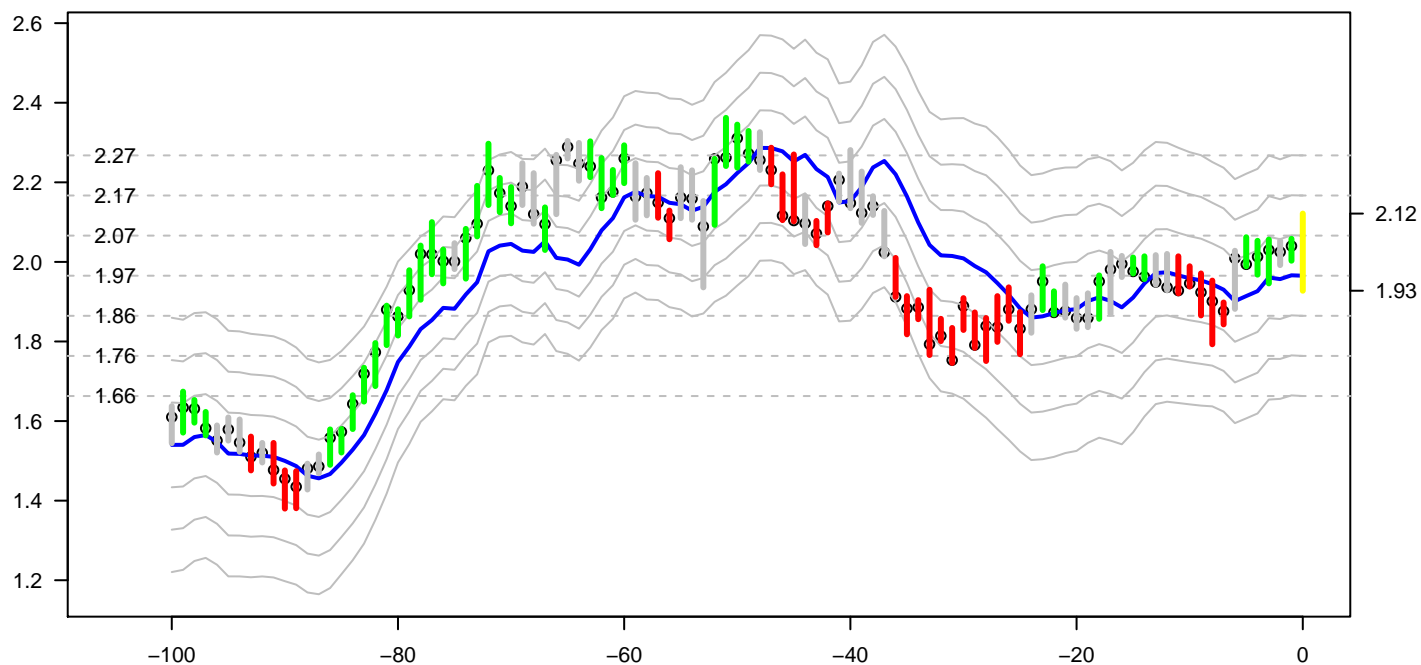
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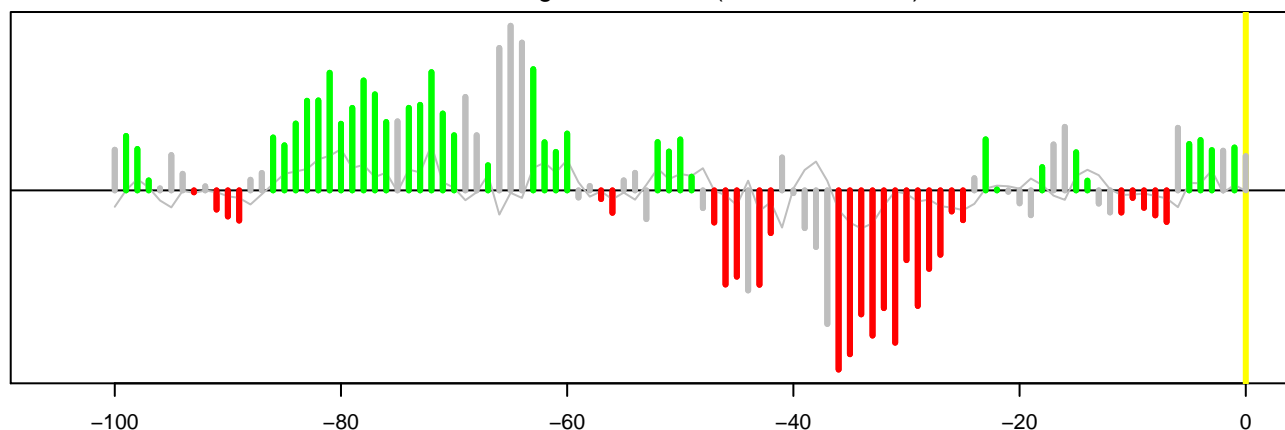


# Metal Price Analytics: General Mining Equities 14-Jan-2019

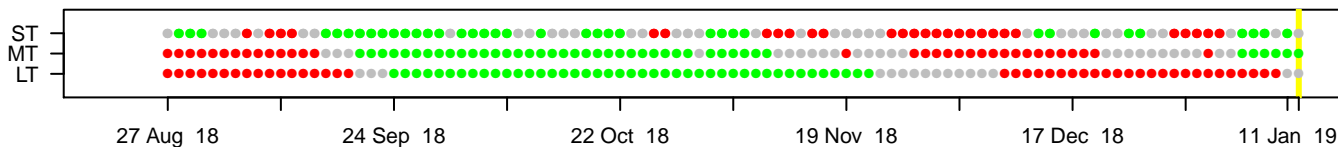
Ferrexpo (FXPO) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



## Ferrexpo (FXPO)

The short term forecast signal is grey, neutral. Short term signal alert.

The medium term forecast signal is green, bullish.

The long term forecast signal is grey, neutral. The long term signal alert.

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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

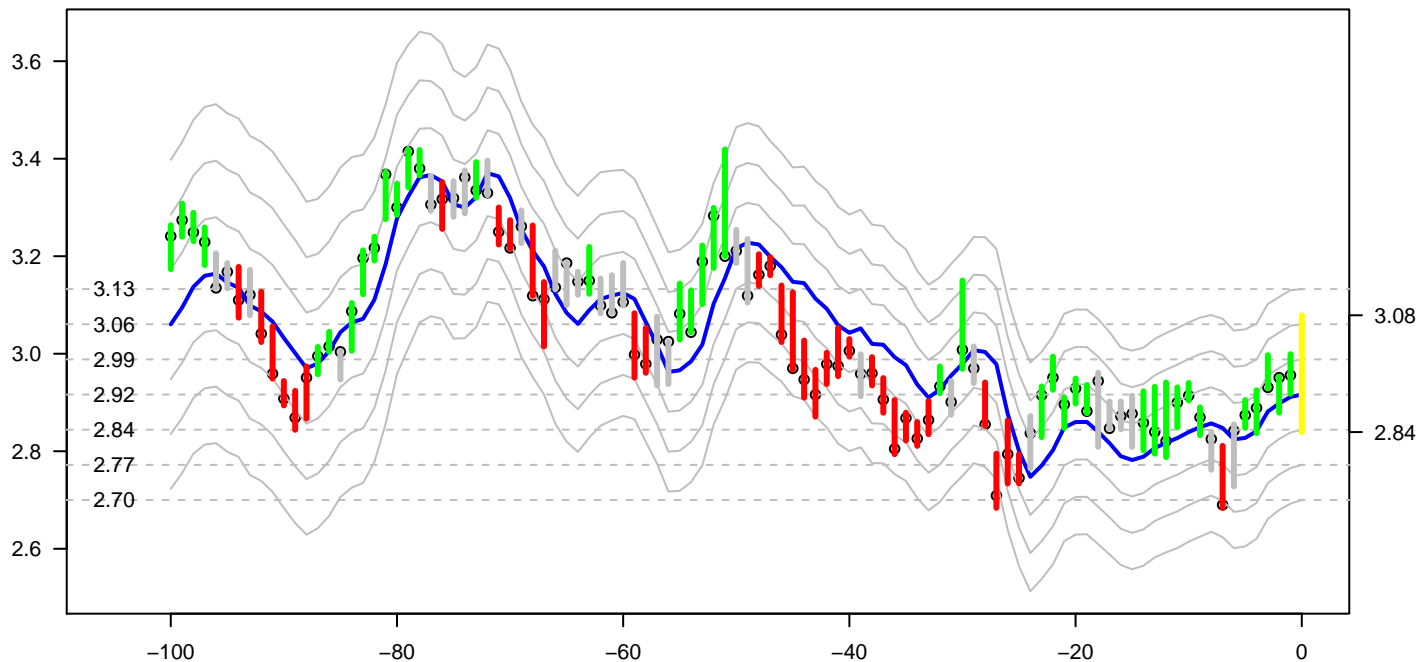
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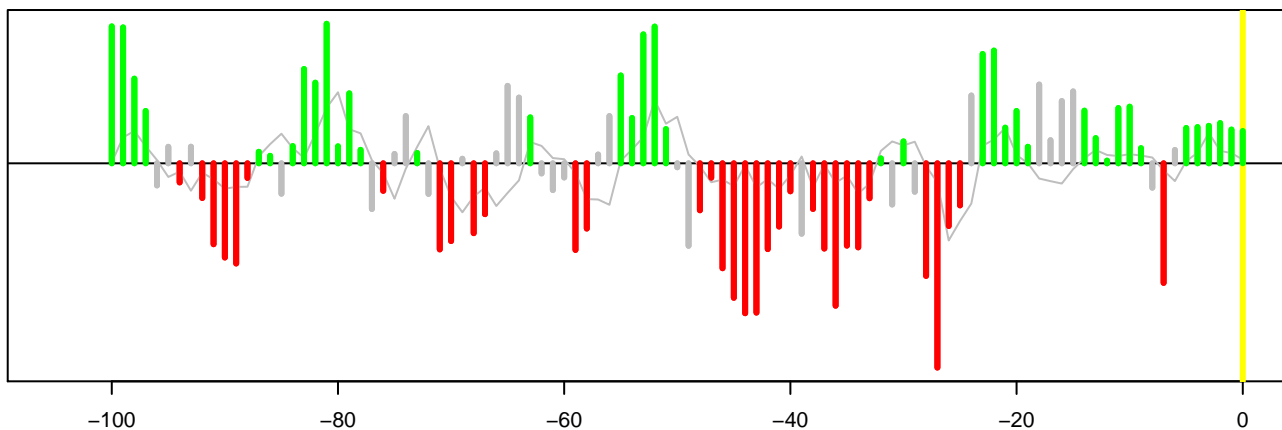


# Metal Price Analytics: General Mining Equities 14-Jan-2019

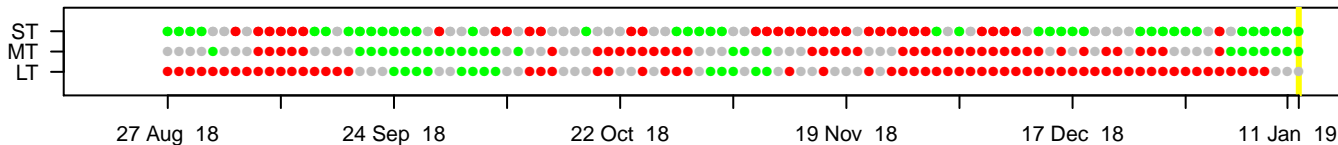
Glencore (GLEN) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



## Glencore (GLEN)

The short term forecast signal is green, bullish.  
 The medium term forecast signal is green, bullish.  
 The long term forecast signal is grey, neutral.

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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

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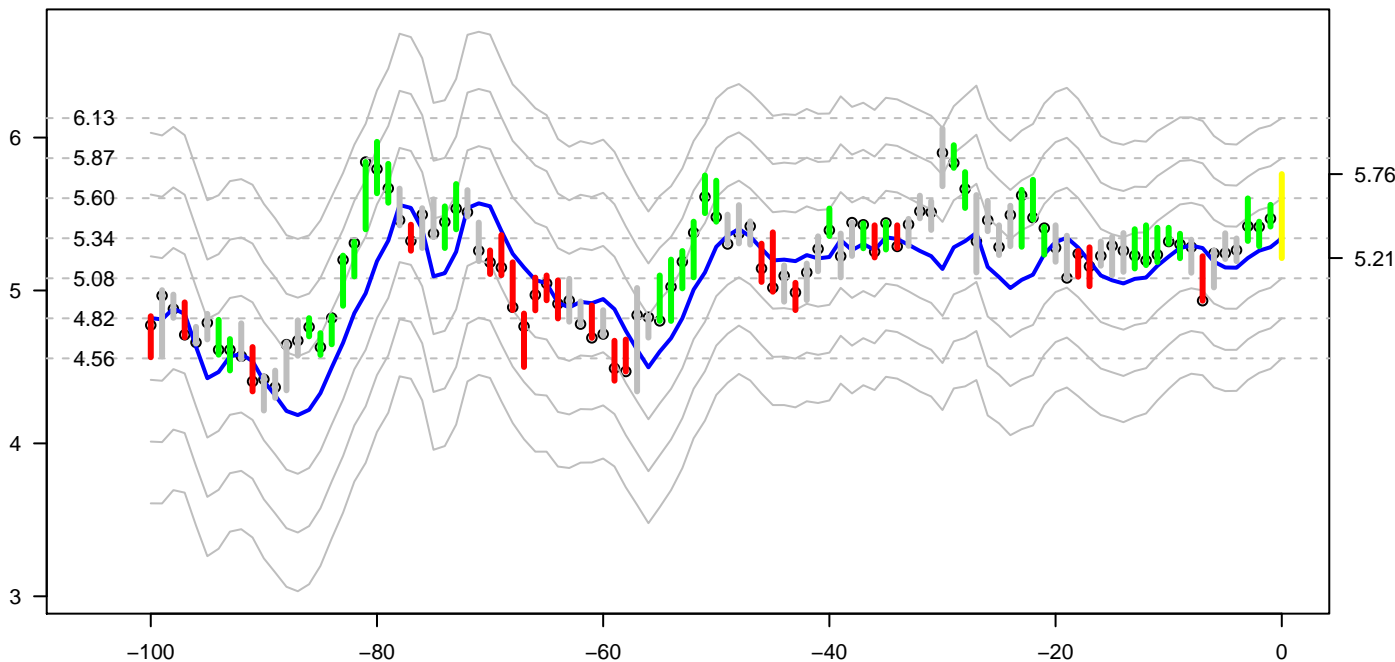
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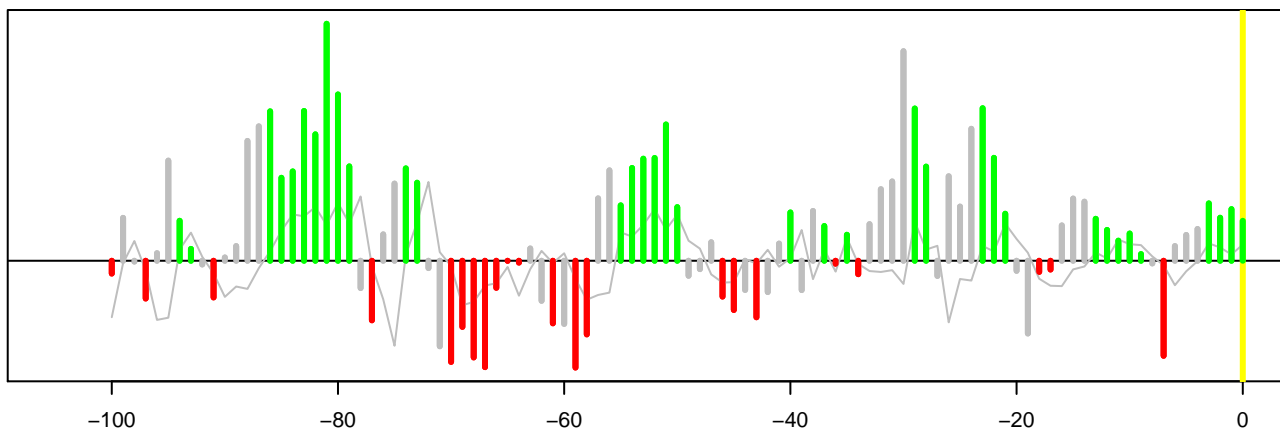


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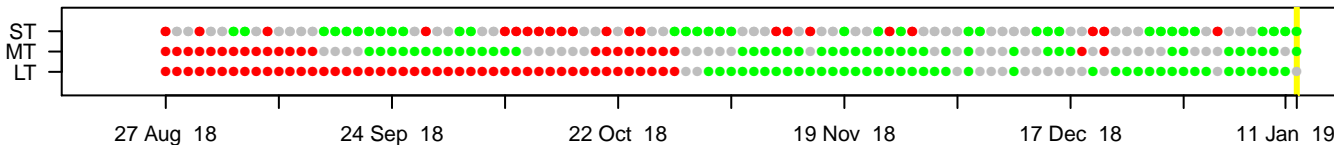
KAZ Minerals (KAZ) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



## KAZ Minerals (KAZ)

The short term forecast signal is green, bullish.

The medium term forecast signal is green, bullish. The medium term signal alert.

The long term forecast signal is grey, neutral. The long term signal alert.

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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

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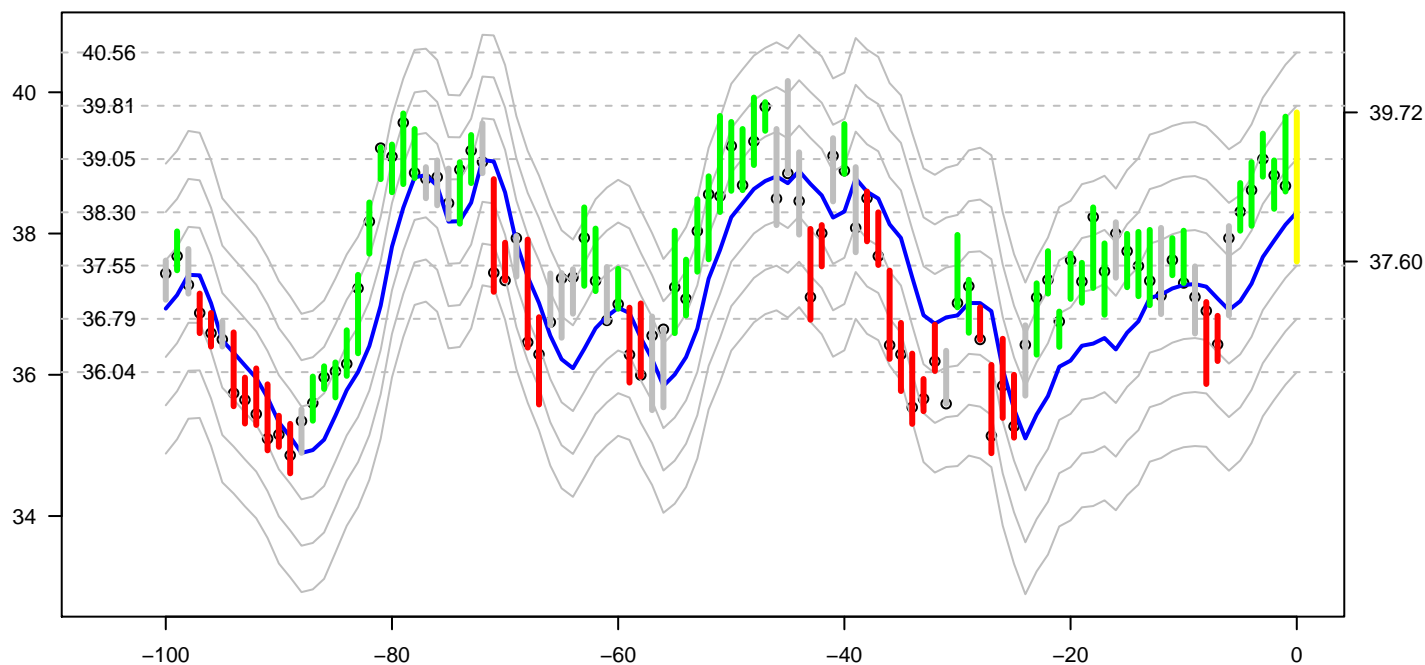
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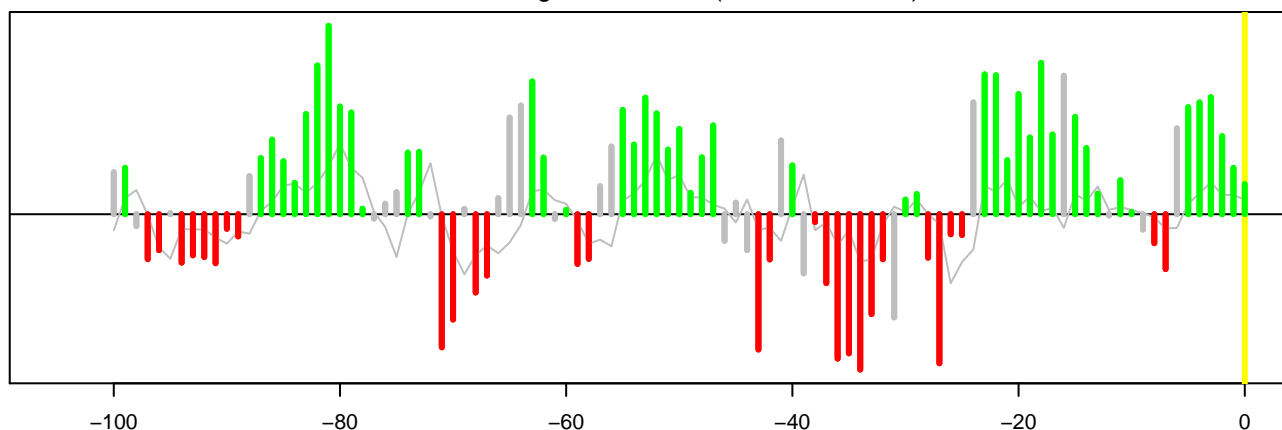


# Metal Price Analytics: General Mining Equities 14-Jan-2019

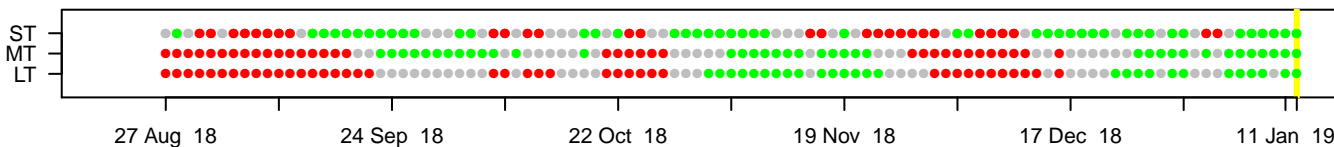
Rio Tinto (RIO) Price and Factor Model Trend Channel.  
 Last Price History Date: 11 Jan 2019. Expected region for the next day: Yellow Bar.



Short Term Signal Oscillator (last bar forecast).



Short (ST), Medium (MT) and Long Term (LT) Signals (last bar forecast).



## Rio Tinto (RIO)

The short term forecast signal is green, bullish.

The medium term forecast signal is green, bullish.

The long term forecast signal is green, bullish. The long term signal alert.

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 FX, U.S. Bonds & Indexes. Weightings can vary through time and are recalculated daily. The chart signal is obtained from the short term Signal Oscillator. 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. Mixed signals or alerts indicate uncertainty. A channel alert is given warning that prices may move above or below the trend channel.

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