Apple (AAPL) Price and Factor Model Trend Channel.
Last Price History Date: 24 Dec 2018. Expected region for the next day: Yellow Bar.

Price axis labels (right side):
- 172.57
- 168.61
- 164.65
- 160.69
- 156.73
- 152.78
- 148.82
- 140.90

Short Term Signal Oscillator. Green: Bullish. Red: Bearish. Grey: Neutral, uncertainty in direction.

Short (ST), Medium (MT) and Long Term (LT) Signals

ST
MT
LT

Apple (AAPL). Channel Alert: The price may move below the lower channel.
The short term signal is red, bearish
The medium term signal is red, bearish
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.
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.
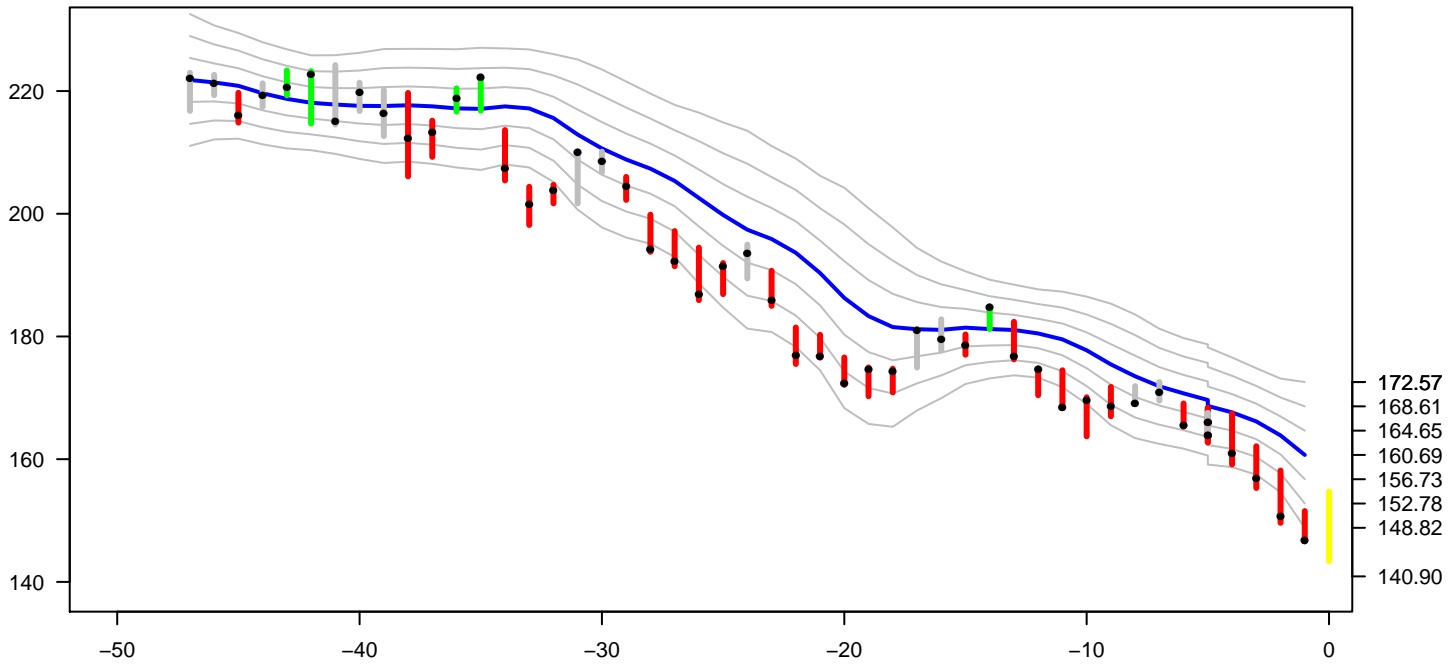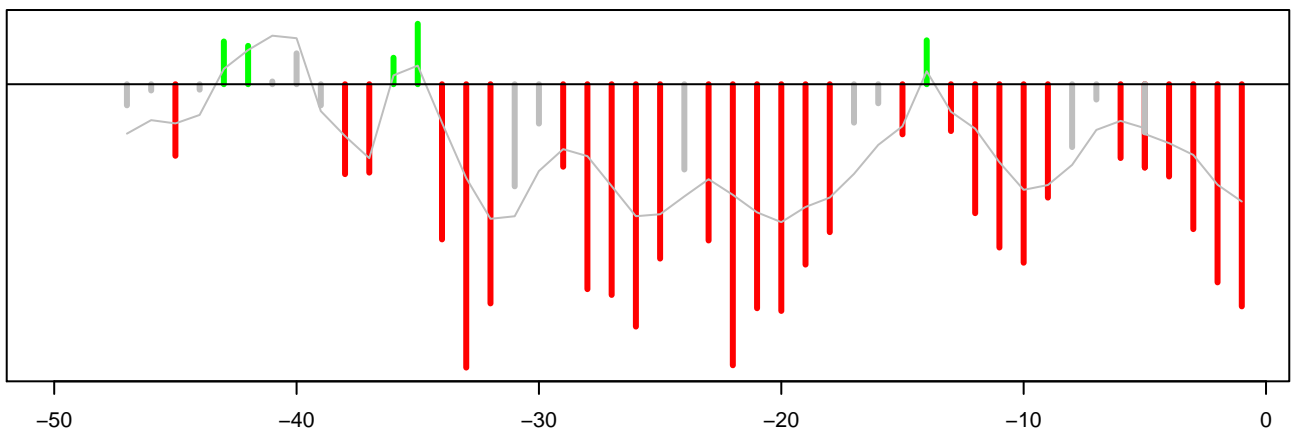
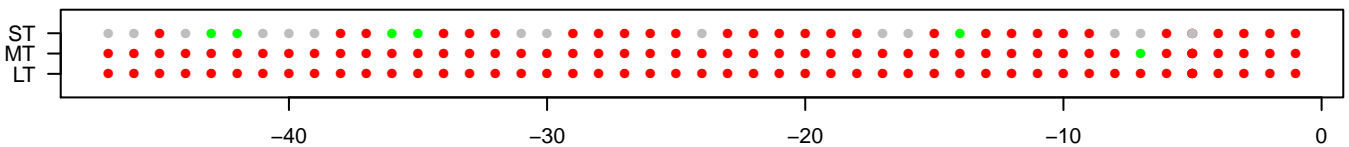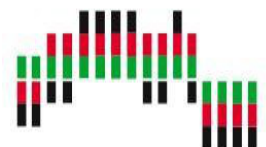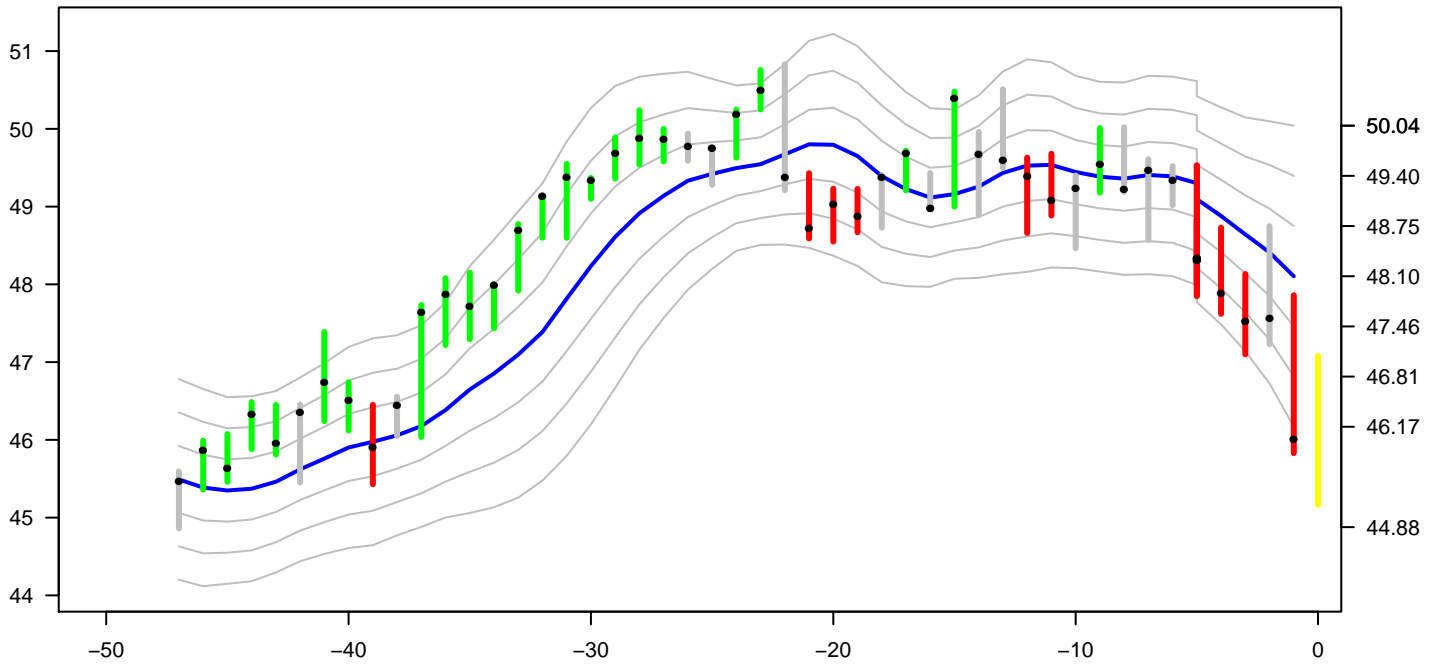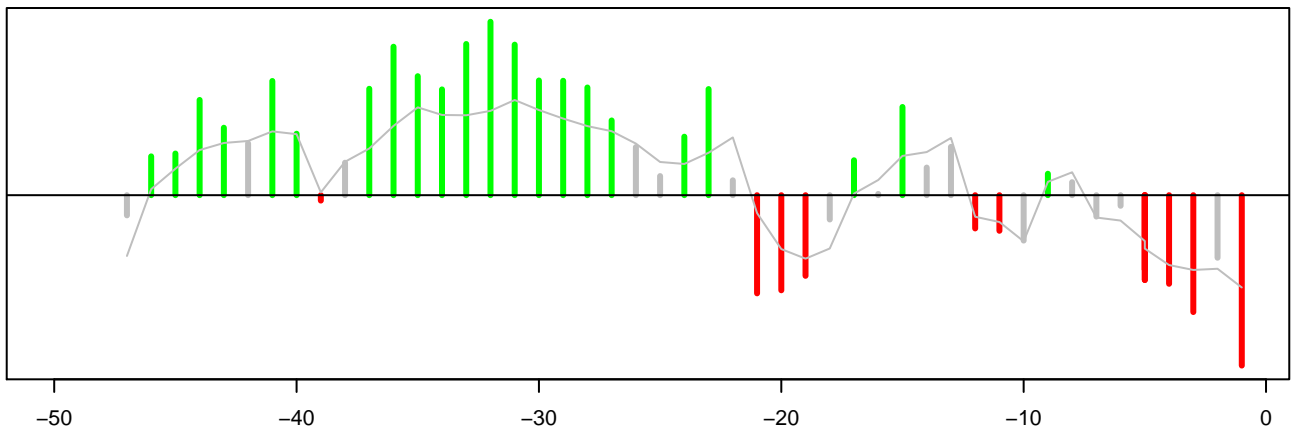*Metal Price Analytics Ltd*

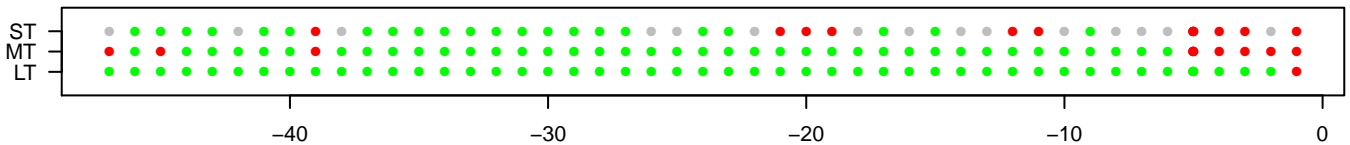# Metal Price Analytics: USA Consumer Goods 25–Dec–2018

Coca–Cola (KO) Price and Factor Model Trend Channel.
Last Price History Date: 24 Dec 2018. Expected region for the next day: Yellow Bar.

Short Term Signal Oscillator. Green: Bullish. Red: Bearish. Grey: Neutral, uncertainty in direction.

Short (ST), Medium (MT) and Long Term (LT) Signals

Coca–Cola (KO). Channel Alert: The price may move below the lower channel.
The short term signal is red, bearish
The medium term signal is red, bearish
The long term signal is red, bearish Alert: The long term oscillator has turned negative.

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.
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.
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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.*

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Nike (NKE) Price and Factor Model Trend Channel.
Last Price History Date: 24 Dec 2018. Expected region for the next day: Yellow Bar.

Short Term Signal Oscillator. Green: Bullish. Red: Bearish. Grey: Neutral, uncertainty in direction.

Short (ST), Medium (MT) and Long Term (LT) Signals

Nike (NKE)
The short term signal is grey, neutral. Alert: The short term oscillator has turned negative.
The medium term signal is red, bearish
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
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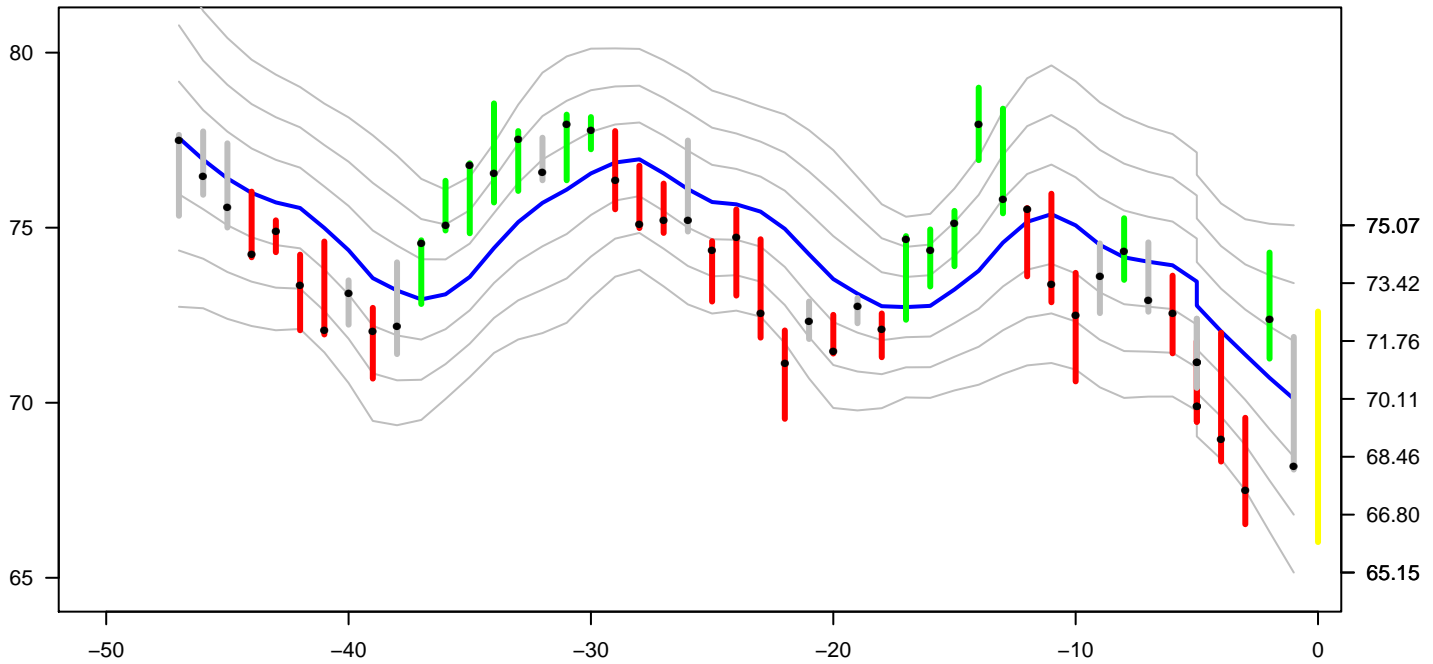*Metal Price Analytics Ltd nor its staff are liable to any error that may occur.*
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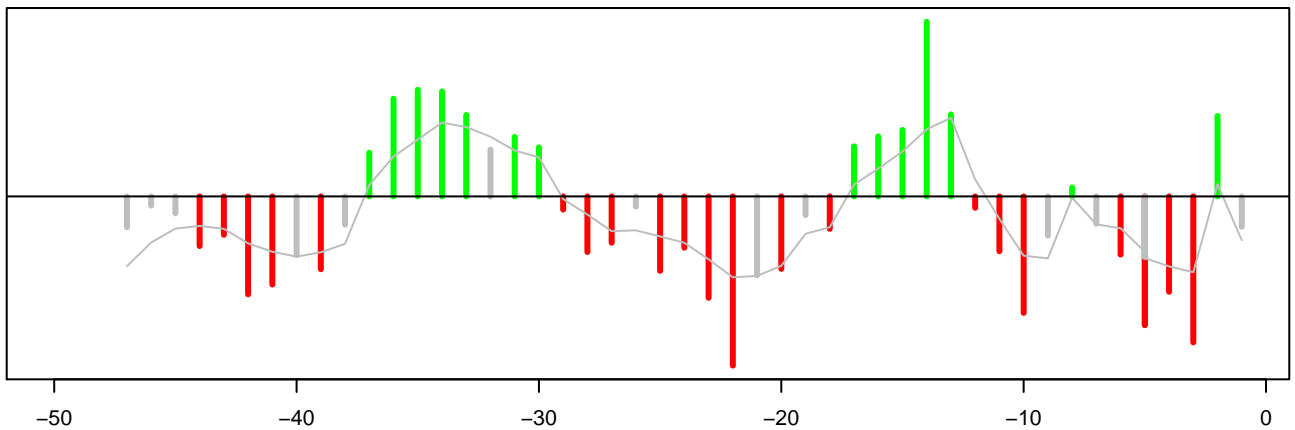
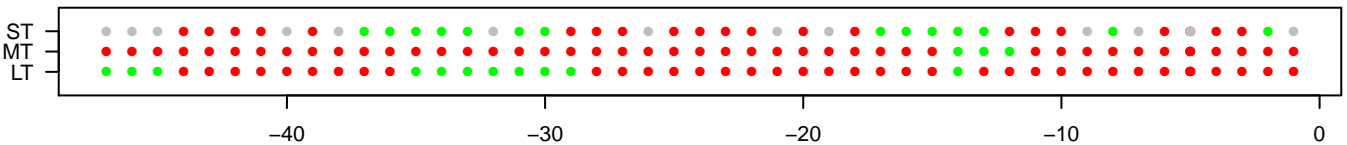### Metal Price Analytics Ltd

Procter & Gamble (PG) Price and Factor Model Trend Channel.
Last Price History Date: 24 Dec 2018. Expected region for the next day: Yellow Bar.

Short Term Signal Oscillator. Green: Bullish. Red: Bearish. Grey: Neutral, uncertainty in direction.

Short (ST), Medium (MT) and Long Term (LT) Signals

Procter & Gamble (PG). Channel Alert: The price may move below the lower channel.
The short term signal is red, bearish
The medium term signal is red, bearish
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.
A channel alert is given warning that prices may move above or below the trend channel.

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