

Commodity Charts

Key Benefits

- ▶ Build custom formulas
- ▶ Visualize forward curves
- ▶ Perform seasonal analysis
- ▶ Chart market and derived data
- ▶ Access data in Microsoft® Excel®

Introducing Commodity Charts

Commodity Charts is a powerful research tool for analyzing the markets. Designed to create comprehensive price graphs and tables, Commodity Charts gives users the ability to utilize advanced charting capabilities and integrate derived data along with market pricing information.

Forward Curves

Analyzing the fundamental relationships between commodity prices at various delivery dates is essential to market participants. The Forward Curve function provides an effortless method to combine multiple curves for a commodity and the underlying futures series in the same chart. By comparing curve history with actual spot market prices, users can perform comprehensive studies of the evolution of a commodity over time.

Charting

Commodity Charts provides an intuitive approach to creating complex graphical visualizations. Charting functionality is flexible, allowing the output visualization to include a multitude of series and configurations. Post-generation customizations include setting trend lines, zooming in on specific time periods, and highlighting a point to view a symbol's highs, lows and percentage moves.

Seasonal Analysis

To visualize the price history of a commodity over multiple years in a single chart, users can perform complex Seasonal Analysis studies in just a few simple steps. Custom Averages allow for more detailed analysis by providing the ability to include or exclude specific periods in the Seasonal Analysis calculations.

Formulas

To simplify creation of custom formulas, Commodity Charts users can access the built-in Formula Library and select from over 100 predefined formulas such as correlation, moving average and relative strength index (RSI). Users can also leverage the computational power of Commodity Charts to create user-generated calculations and formulas.

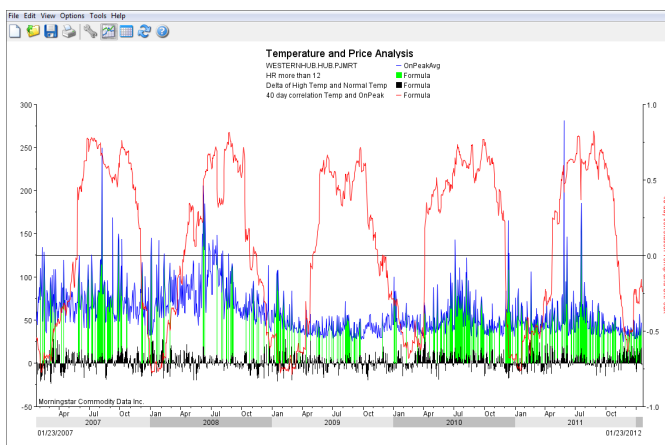
Learn More

For more information please contact Morningstar Sales Team.

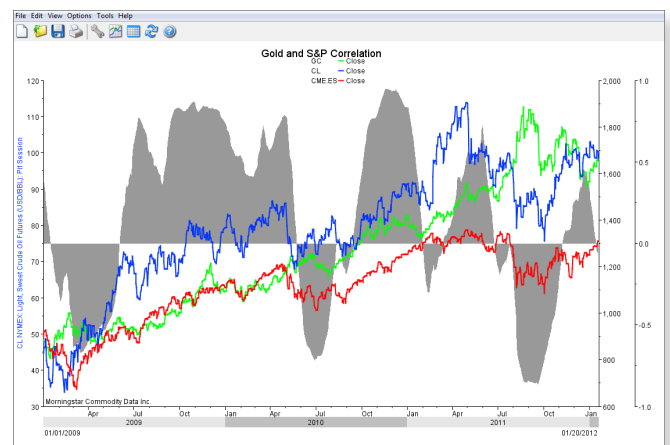
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- ▶ www.morningstarcommodity.com/tools-apis/commodity-charts

Commodity Charts

Commodity Charts offers a flexible interface to visualize and analyze historical market data as well as user-defined formulas and derived data.



Users can create custom formulas, such as the difference between high and average temperatures, and analyze the effects on power prices throughout different seasons.



3-year visual representation of the COMEX Gold, NYMEX Crude and S&P 500. Users can build correlations between assets and graph these concurrently.

Commodity Charts

The screenshot shows the 'Commodity Charts' application window. At the top is a menu bar (File, Edit, View, Options, Tools, Help) and a toolbar with icons for file operations and charting. Below the toolbar is a table with columns: Label, Description, Symbol, Column, Time Units, Units, Chart Type, Formula, and Rollover Policy. The table contains seven rows (A-G) for NYMEX: Henry Hub Natural Gas Futures contracts with different expiration dates. Below the table is a configuration panel with tabs for Series, Formula, and Curve. The Curve tab is active, showing fields for Symbol (NG), Description, Time Units (Daily), Units (USD/MMBTU), and Chart Type (Line). Below this are checkboxes for 'Show in Table' and 'Show in Chart', and a 'Precision' dropdown set to 4. At the bottom are three sections: Date Options (Start/End dates, Change Period), Table Options (Show Summary Stats, Sort Dates Ascending), and Worksheet Options (Skip All NaN, Skip Weekends, Seasonal Analysis, Execution Units).

Label	Description	Symbol	Column	Time Units	Units	Chart Type	Formula	Rollover Policy
A	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		
B	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		
C	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		
D	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		
E	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		
F	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		
G	NYMEX: Henry Hub Natural Gas Future...	NG	Close	Daily	USD/MMBTU	LINE		

A Chart

Create a chart from selected data.

B Table

Create a table from selected data.

C Formulas

Perform computations using the Formula Library or create a custom formula.

D Forward Curves

Chart futures as a forward curve by using specific expiration dates and quoted prices for a contract.

E Browse Function

Search the database to locate symbol information.

F 7 Day Intraday Data

Select the time units for 7-day, or intraday values.

G Units and Currency Conversion

Compare different commodities by establishing a common unit of quotation.

H Seasonal Analysis

Select parameters to perform a Seasonal Analysis.