



## The latest enhancements to thinkorswim®



It's harvest time here in the US and we are coming off a summer that made the Sahara Desert seem lush and fertile. Drought conditions are normally cause for volatility in the grain market, this summer didn't disappoint. Even though this summer didn't provide a nurturing environment for raising crops, our developers had no trouble producing a high yield of code, we had a harvest of many kLOC (we call'em code bushels). When there was no rain, we irrigated with Red Bull and Mt. Dew during the daylight hours and, late night with Sparks. While it was scorching hot outside, we kept our developer's minds cool and fresh with an excessive number of window air conditioning units and the soft glow of computer monitors. So while you may not get to experience a rich, luscious crop harvest this fall, please be assured that your thinkorswim harvest will be plentiful.

**On Saturday, November 3, 2012  
we released version 1828.8.**

*New features include:*

- Product Depth
- Futures Settlement charts
- New Studies from Technical Analysis of Stocks and Commodities Magazine
- Custom Aggregation Periods
- Condition Wizard improvements
- thinkScript Editor improvements
- Chart and Scanner extras
- thinkScript functions

### 1. Product Depth

There is now more depth on the Trade, All Products page than ever before. Widget 360 is renamed Product Depth, and we taught is a new trick when viewing futures symbols. The Product Depth tool now automatically displays the Product Depth Curve.

- The Product Depth Curve is a graphical representation of the market price of each contract month for any given futures product. We display this as price over the expiration month of the product. This allows you to easily display Inverted and Normal curves in the futures product that you choose
  - Product Depth allows you to switch between Options and Futures
    - Options will display and in depth look of the option prices, details, and greeks (formally known as Widget 360)

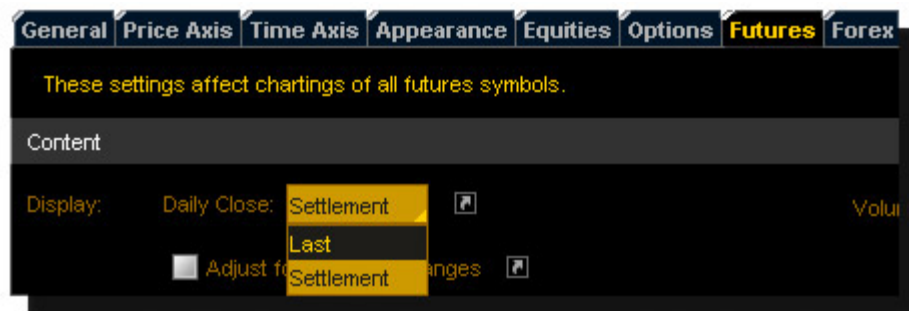
- Futures will display the new Product Depth Curve
- From the Product Depth Curve you can choose to display All or any specific number of expiration series
- If you want to see how the curve looked last month, or any date in the past, click on the Curves button and you can adjust the time frame or overlay historical curves on top of the current curve for even more in-depth analysis



## 2. Futures Settlement charts

We are importing the actual exchange contract settlement prices and are making these available for the daily futures charts, to use exchange settlement prices:

- While charting a futures product click on Style, select Settings and click on the Futures tab. Use the drop down menu to choose the Last price or the Settlement price. These are only available when viewing Daily bars



### 3. New Studies from Technical Analysis of Stocks and Commodities Magazine

The TOS charts continue to add these new innovative charting analytics from the popular TASC magazine with two new strategies and three new studies:

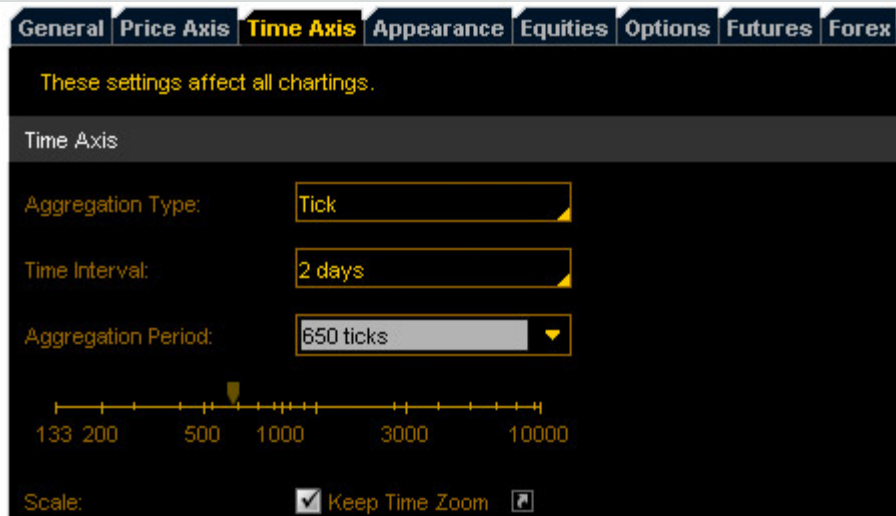
- Halloween Strategy
- TAC\_DMI Strategy
- TAC\_ADX Study
- TAC\_DIMinus Study
- TAC\_DIPlus Study



### 4. Custom Aggregation Periods

Custom Aggregation periods are vastly improved! Now you can customize intraday chart aggregations for custom number of ticks, dollars in range or, minutes charted.

- To access Custom Aggregation Periods: While charting a symbol click on Style, select Settings and click on the time axis tab. Select the Intraday Aggregation period you desire and enter the number for which you want to see each bar aggregated. To use a mouse instead of typing simply use the slide bar above the aggregation line to slide between the minimum and maximum values available



## 5. Condition Wizard improvements

Based on your feedback we have made many improvements with the Condition Wizard, some of these are:

- A new choice in the drop down dedicated to price so that switching between price or volume is trivial
- The Condition Wizard is now much smarter when setting up alerts or triggered orders, the Trigger If field is set to TRUE by default

## 6. thinkScript Editor improvements

We have made a few thinkScript editor improvements to help make scripting go as smoothly as possible

- Now when there is an error you can reference the line causing the error quickly
- The error messages have also become more descriptive
- The Reformat button has added a some more help formatting like spacing and aligning

## 7. Chart and Scanner extras

We have heard your request and have delivered a few small helpful tools

- Zooming out on charts can now be done with a simple double mouse click on the middle of the chart
- Chart bubbles on the price chart now stack to display all bubbles if necessary
- The gridlines in the background of the chart can now be changed to any color
- The Stock Hacker Study Filters can now be set to scan for Weekly and Monthly bars
- There is new Scan to search for stocks with Upcoming dividends

## 8. thinkScript functions

thinkScript gets some under-the-hood love as well, it is more complete and user friendly with the addition of new functions. We have updated our thinkScript resource center for further information on these functions:

- updated addLabel() function
- asDollar(), asText() and asPercent()
- getEventOffset()

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