

Release Notes

## **FutureSource (Web Application) 1.37**

Release: August 13, 2013

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# 1 Preface

This document outlines the key new features, functionality and content included in FutureSource 1.37.

All screenshots are examples for illustration purposes only. The exact layout and display may vary depending on Individual workspace customization.

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## Release Notes Style Convention

- **Bold blue phrases** with pipe signs ( | ) denote a **menu** command, either from the main FutureSource drop-down navigation menu or through a contextual right-click menu in a certain window.
- **Bold black words** are used for emphasis in the text.
- Terms in quotation marks refer to a specific feature of the system.

## 2 Top New Functionality and Content

Some of the top enhancements of the new version include the following. Specific details on each one of these items are included in Section 3 of these release notes.

### **Functionality**

#### ***Data Table Window***

A new Data Table Window has been built to provide an additional time-series analysis display.

#### ***Chart Studies***

The library of technical studies has been improved. 18 new studies are now available.

#### ***Chart Drawing Tools***

The library of drawing tools has been improved. 8 new drawing tools are now available.

#### ***Conditional Alerts***

Create alerts based on conditional true/false expressions.

#### ***Watchlist Technical Studies***

Create Watchlist's that contain technical studies that update in real-time.

#### ***Futures Options Window***

The list of available fields within the Futures Options Window has been expanded.

#### ***External Data***

In addition to being able to Chart external data, the Watchlist and Detail Quote will now receive updates from external data.

#### ***Watchlist High/Low Indicators***

New flash options are available for daily high/low changes.

#### ***Workspace Layout Enhancement***

Change out a window without having to re-do your existing layout using the new "Empty" command.

## 3 Details of New & Enhanced Functionality

### 3.1 Data Table

A new Data Table Window has been built to provide additional time-series data analysis. The Data Table supports real-time updates.

Additional features within the Data Table include:

- Studies
- Forward Curves
- Seasonal Analysis
- Expressions
- Copy data to clipboard
- Export data to Excel

**Data Table CL U3**

Date	Open	High	Low	Close	Midpoint	Volume
07/31/2013	103.15	105.29	102.93	105.17	104.11	235,605
07/30/2013	104.52	104.54	102.67	103.08	103.61	206,326
07/29/2013	104.61	105.37	103.87	104.55	104.62	208,855
07/26/2013	105.56	105.63	1			
07/25/2013	105.37	105.87	1			
07/24/2013	107.36	107.52	1			
07/23/2013	107.00	107.55	1			
07/22/2013	108.07	108.60	1			
07/19/2013	107.86	108.93	1			
07/18/2013	106.35	108.19	1			
07/17/2013	105.47	106.42	1			
07/16/2013	105.96	106.78	1			
07/15/2013	105.67	106.20	1			
07/12/2013	104.08	105.86	1			
07/11/2013	105.39	106.53	1			
07/10/2013	104.15	105.77	1			
07/09/2013	102.84	104.20	1			
07/08/2013	104.34	104.34	1			
07/05/2013	100.95	103.49	1			
07/03/2013	99.43	101.99				
07/02/2013	97.93	99.68				
07/01/2013	96.40	98.10				
06/28/2013	96.61	97.63				
06/27/2013	95.39	97.25				
06/26/2013	95.11	95.59				
06/25/2013	94.93	95.95				
06/24/2013	93.84	95.44				
06/21/2013	94.97	95.85				
06/20/2013	98.25	98.25				
06/19/2013	98.83	99.25				
06/18/2013	98.25	98.90				

**Data Table CL U3**

Date	Close	Open	High	Low	Volume
02/22/2016	86.47	86.47	86.47	86.47	500
01/20/2016	86.83	86.83	86.83	86.83	2
12/21/2015	87.20	87.20	87.20	87.20	1
11/20/2015	87.57	87.48	87.63	87.13	5,984
10/20/2015	87.74	87.74	87.74	87.74	1,020
09/22/2015	87.94	87.94	87.94	87.94	770
08/20/2015	88.20	88.20	88.20	88.20	389
07/21/2015	88.55	88.55	88.55	88.55	538
06/22/2015	88.94	88.94	88.94	88.94	50
05/19/2015	89.42	89.42	89.42	89.42	2,902
04/21/2015	89.74	89.74	89.74	89.74	100
03/20/2015	90.09	90.09	90.09	90.09	56
02/20/2015	90.54	90.54	90.54	90.54	770
01/20/2015	91.07	91.07	91.07	91.07	631
12/19/2014	91.60	91.60	91.60	91.60	1,012
11/20/2014	92.13	92.10	92.21	91.68	17,491
10/21/2014	92.49	92.49	92.49	92.49	662
09/22/2014	92.86	92.86	92.86	92.86	784
08/20/2014	93.30	93.30	93.34	93.00	2,642
07/22/2014	93.80	93.62	93.80	93.51	1,119
06/20/2014	94.46	94.37	94.53	94.06	968
05/20/2014	95.17	95.33	95.35	94.79	11,144
04/22/2014	95.81	95.80	95.81	95.51	1,868
03/20/2014	96.51	96.34	96.62	96.31	991
02/20/2014	97.39	97.70	97.70	96.90	4,106
01/21/2014	98.29	98.59	98.59	97.99	4,969
12/19/2013	99.37	100.01	100.01	98.97	8,823
11/20/2013	100.49	101.26	101.29	100.06	43,271
10/22/2013	101.52	102.45	102.60	101.10	35,419
09/20/2013	102.50	103.87	103.87	102.10	72,792

## 3.2 Charts

### 3.2.1 Additional Studies

**18 additional chart studies** have been added to the study library. New studies include:

- AMA - Adaptive Moving Average
- AMA2 - Adaptive Moving Average 2
- Advance / Decline Ratio
- Bearish Divergence
- Bollinger Bands %B
- Composite Index
- Displaced Weighted Moving Average
- Extreme Indicator
- Median Price
- Overbought/Oversold
- Price Channel
- Rolling Moving Average
- Triangular Moving Average
- Trix
- Ultimate Oscillator
- Weighted Moving Average
- Wilder's Volatility
- Williams' Accumulation/Distribution Index

### 3.2.2 Additional Drawing Tools

**7 additional chart drawing tools** have been added to the tools list. New tools include:

- Andrew Pitchfork
- Vertical Line
- Down Gann Fan
- Up Gann Fan
- Up Arrow Callout
- Down Arrow Callout
- Global Crosshair

### 3.2.3 Date Range

The “Jump To” feature has been renamed to “Date Range”

### 3.3 Watchlist

#### 3.3.1 Technical Study Calculations

The Watchlist now supports the real-time display of technical study calculations. The studies are added to the Watchlist by using the **existing chart study syntax**.

**Note:** Drag and Drop of study from Chart to Watchlist will be available in a future release.



Symbol	Last	Net Change	High	Low	CVol	OI
CL U3	105.17	+2.09	105.29	102.93	278K	356250
<b>Moving Avs</b>						
DAILY(MA (CL U3, 14))	105.84					
DAILY(MA (CL U3, 20))	105.11					
<b>RSI</b>						
DAILY(RSI (CL U3, 14))	57.98					
DAILY(RSI (CL U3, 20))	59.29					

#### 3.3.2 High/Low Flash

There is now a setting to flash cells when a new high or low is reached for the day. This can be set from the **Direction** section of the Watchlist **Display Properties**.

#### 3.3.3 Description field for Expression Shortcuts

The description field that is defined for Expression Shortcuts will now be displayed within the Watchlist and Detailed Quote.

#### 3.3.4 Forex Delivery Field

For Forex instruments, a delivery field is now available within the Watchlist.

### 3.4 Quote Grid

#### 3.4.1 Click Actions

Single and Double Click actions are now available within the Quote Grid. User can choose from symbol linking to opening a specific window.

This can be set from the **Symbol Field** section of the Quote Grid **Display Properties**

## 3.5 Futures Options

### 3.5.1 Additional Data Fields

**11 data fields** have been added to the list of available fields within the Futures Option Board. New fields include:

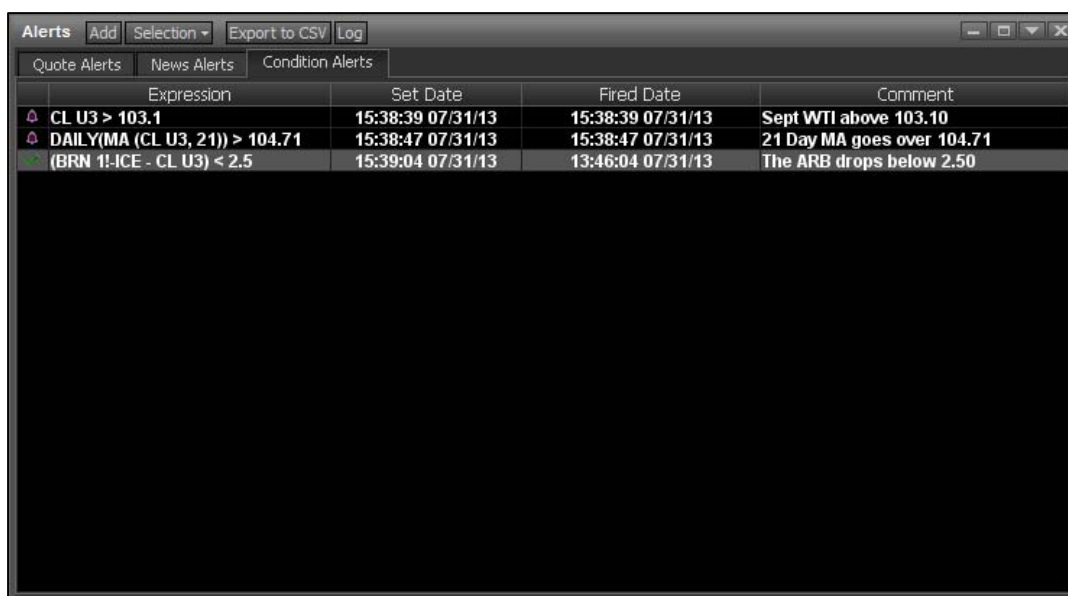
- %change
- basecode
- bid-ask
- last+settle
- midpoint
- oldsettlement
- open
- root
- trade size
- underlying symbol
- vega

## 3.6 Alerts

### 3.6.1 Conditional Alerts

The ability to perform Conditional Alerts has been added. Conditional Alerts allow you to **create an expression** that is evaluated real-time and returns a **true or false result**. When a **true** is returned the alert is **triggered**.

Conditional Alerts are set from the **Condition Alerts Tab** on the **Alerts Window**.



Expression	Set Date	Fired Date	Comment
CL U3 > 103.1	15:38:39 07/31/13	15:38:39 07/31/13	Sept WTI above 103.10
DAILY(MA (CL U3, 21)) > 104.71	15:38:47 07/31/13	15:38:47 07/31/13	21 Day MA goes over 104.71
(BRN 1!-ICE - CL U3) < 2.5	15:39:04 07/31/13	13:46:04 07/31/13	The ARB drops below 2.50



## 3.7 Waterfall Time & Sales

### 3.7.1 Cumulative Volume

The **Cumulative Volume** field is now an **available field** within the Waterfall window.

## 3.8 External Data

### 3.8.1 Watchlist Support

The External Data framework has been enhanced to support the Watchlist and Detailed Quote in addition to the Chart Window previously supported. As updates are retrieved from the external data file, the **Watchlist** and **Detailed quote** will be **updated**.

## 3.9 Framework Functionality

### 3.9.1 Empty Window

You can now change out a window within the workspace without having to modify the overall layout. This is done by selecting the **Empty** option from the **Window drop-down menu**.

### 3.9.2 Tab Labels

Tabs within supported windows will now **default** to **symbol name**.

## 4 Fixes

The Following fixes and performance enhancements are included in FutureSource Web 1.37:

- **Alerts**
  - 17981 – Display relevant fields based on asset type
- **Browser**
  - 25778 – Window should force background color
- **Charts**
  - 26263 – Delay indicator duplicated
  - 24247 – Footer incorrect for seasonal spreads
  - 25950 – Time template bug with Forex
  - 26584 – Trade indicators not visible without trade sidebar
  - 23956 – Exported data in full precision
  - 26548 – Unable to chart negative spreads
  - 25753 – Fibonacci retracements move position
  - 26215 – Context menu placement

- **Framework**
  - 18855 – Importing symbols with exchange extensions
- **News**
  - 23608 – Applying saved default properties
  - 20729 – Using custom filter categories
  - 18592 – Custom news filter issues
  - 21768 – Using links inside news story body
  - 26122 – Correct charset rendering
- **Quote Ticker**
  - 23348 – Delayed indicator visible
- **Time & Sales**
  - 22796 – Corrected +/- tick display
  - 25309 – Column widths not saving
  - 20151 – Refreshing paused state
  - 20870 – Tooltip displaying full description
  - 22283 – Time Zone issues
- **Watchlist**
  - 26497 – Correct autolist with exchange extensions
  - 19615 – Correct comment changes

## 5 System Requirements

### 5.1 Operating System & Browser

- Windows 2000, XP, Vista or 7
- Internet Explorer 6 or higher, Mozilla Firefox 3 or higher, Apple Safari for Windows 3.2 or higher
- Google Chrome is unofficially supported at present

### 5.2 Java

- Minimum: Java Version 1.5
- Recommended: Java Version 1.6.10 or **Greater**
  - NOTE: Issue with Java Versions 1.6.24 to 1.6.25 have been detected on some isolated client systems.

### 5.3 Other Requirements

- Cookies Enabled
- Pop-Up Blocker Disabled for MQ URL