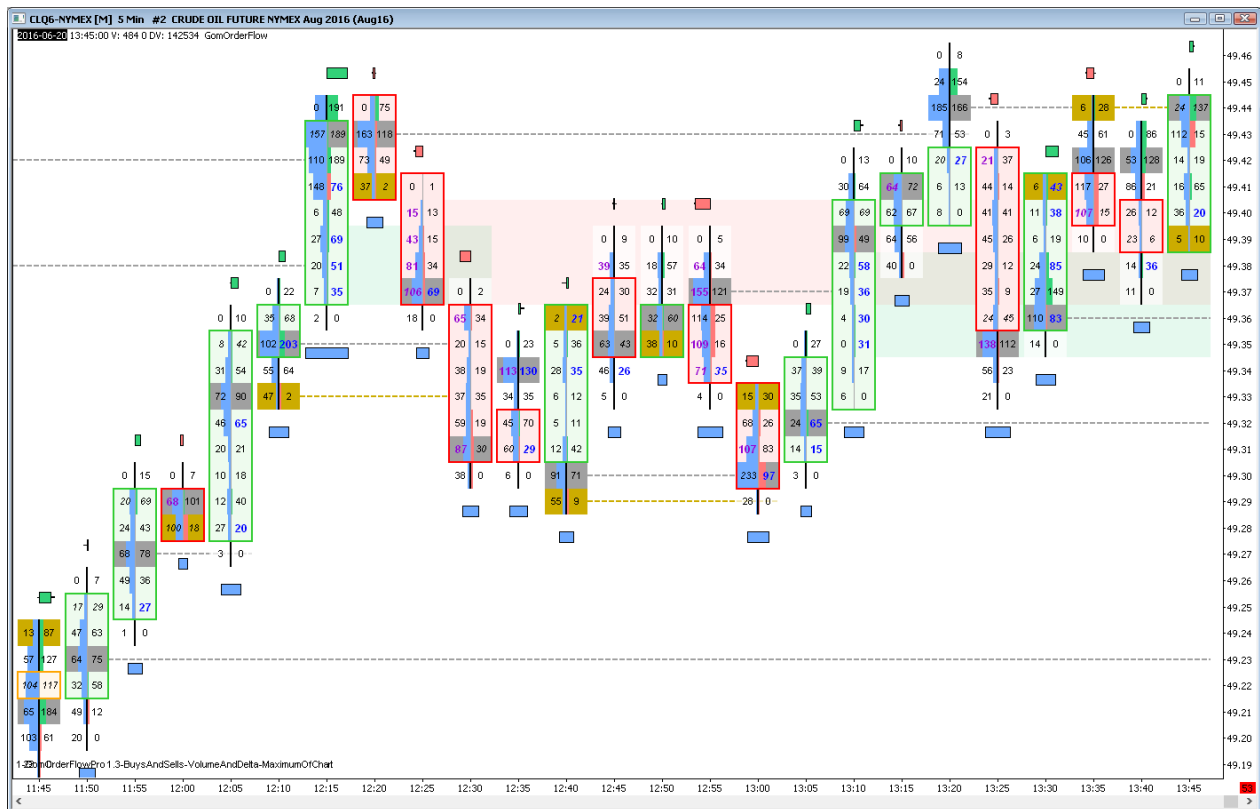


GOMORDERFLOW PRO

DOCUMENTATION OF SETTINGS

Version 1.4

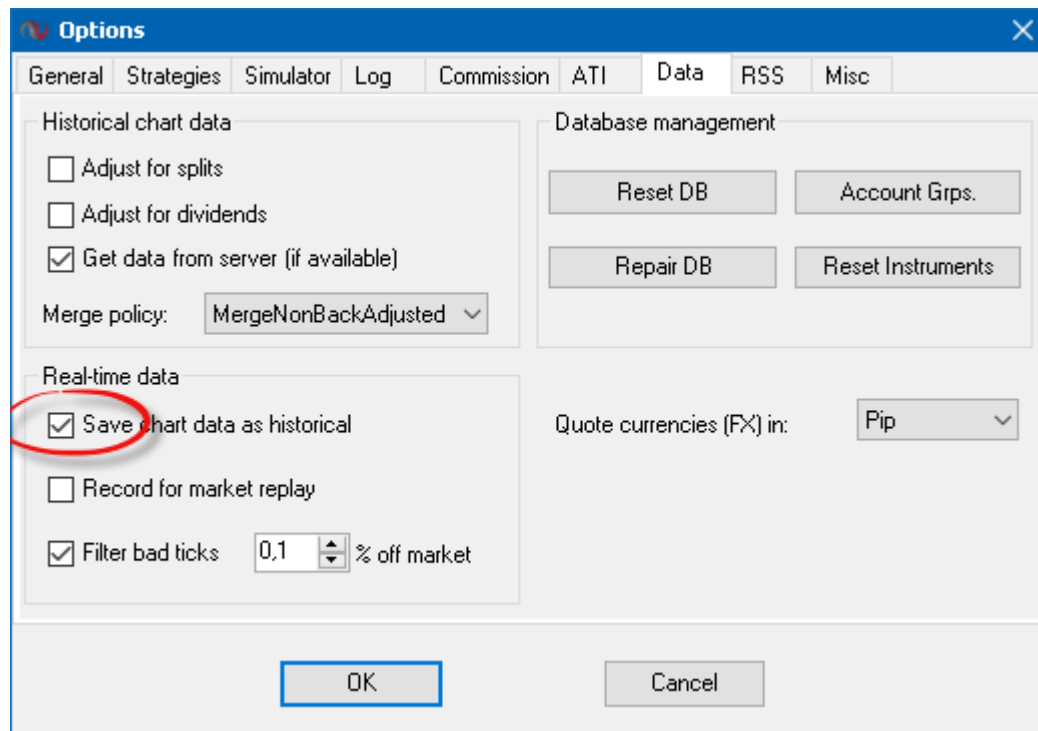
Copyright Gomex 2016,2017



BASE NINJATRADER SETTINGS

NINJATRADER 7

If you use UpDownTick delta mode to allow the use of the Ninja tick files, please enable recording of the files in Tools/Options/Data



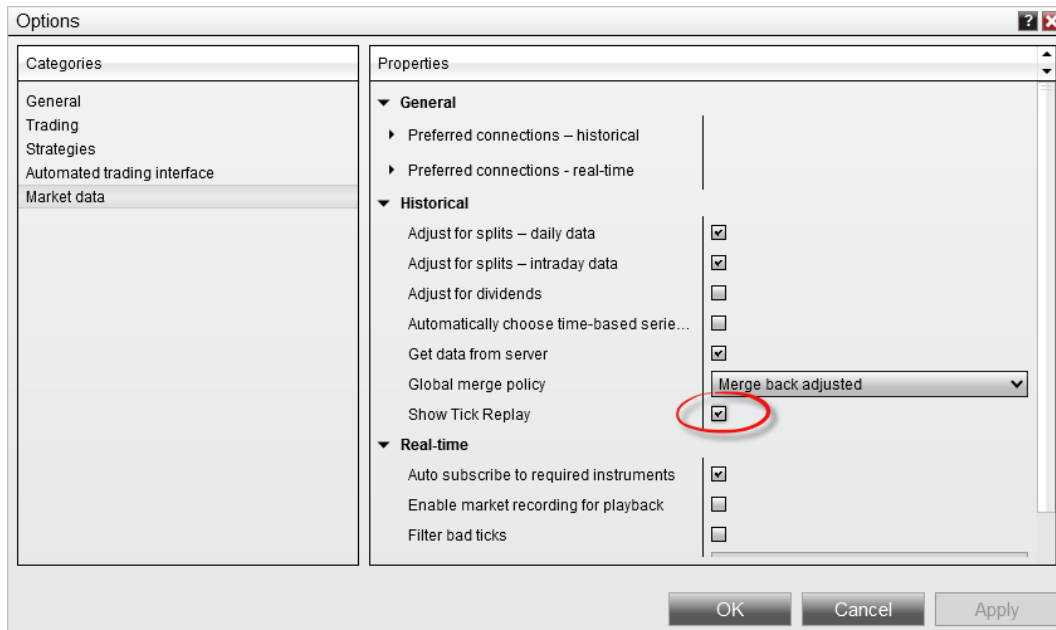
Please keep in mind that for NinjaTrader to download tick data, you must always have a tick-based chart open. A tick-based chart is any kind of chart that is based on ticks, and not on minutes or days. So Volume, Ticks, Range, Renko etc are tick-based files.

If you only use minute /daily charts, NinjaTrader will only use its minute OHLC feed, and the tick won't be present, unless you add a tick chart to any of your opened workspaces.

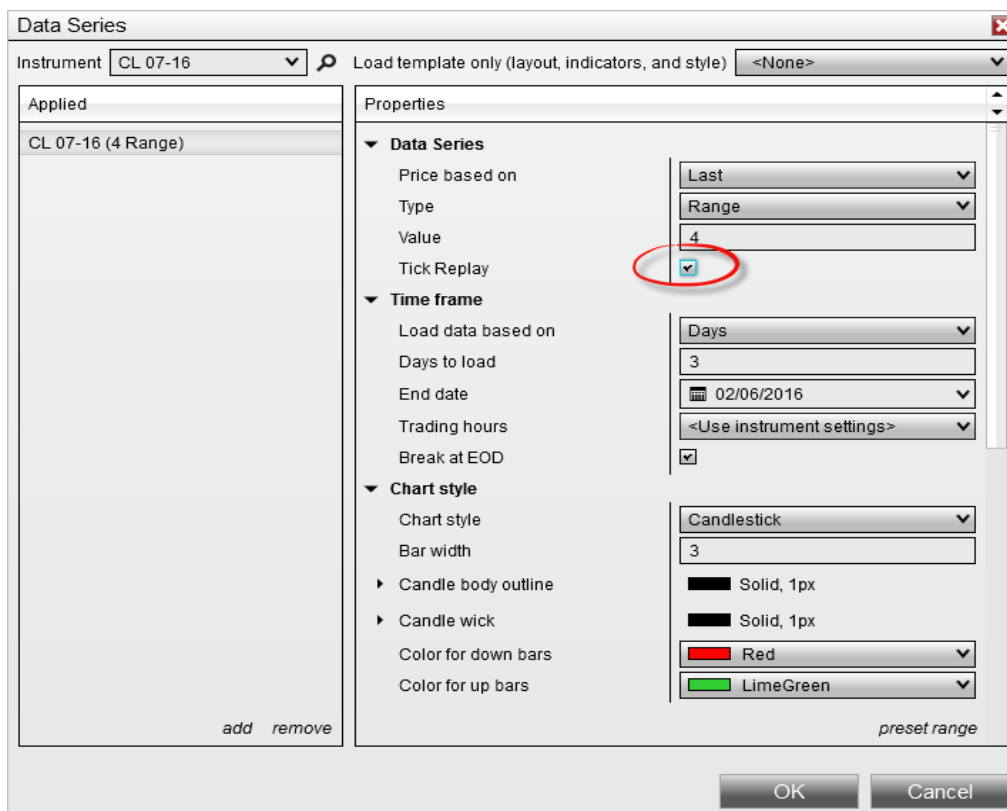
NINJATRADER 8

You will need to use Tick Replay mode on the charts

Tick Replay needs to be enabled in Tools/Options/MarketData



And then it needs to be set on all the charts Data Series



MAIN SETTINGS

00. Main Settings

1. Delta Calculation	UpDownTick
2. Missing Data Alert Message	True
3. Size filtering: Max Tick Size	-1
4. Size filtering: Min Tick Size	0
5. Ticks Per Price Level	1
6. Background Opacity	180
7. Disable All Candle Drawing	False
8. Volume Viewing Divisor	1

Main Settings

Delta Calculation	BidAsk
Size filtering: Max Tick Size	-1
Size filtering: Min Tick Size	0
Ticks Per Price Level	1
Background Opacity	180
Disable All Candle Drawing	<input type="checkbox"/>
Volume Viewing Divisor	1

Background Opacity	180
Disable All Candle Drawing	No
Volume Viewing Divisor	1

Delta Calculation (NINJATRADER ONLY)

On Sierra, only BidAsk is available.

BidAsk: BidAsk will use bid / ask data information.

On NT7, it will automatically record the bid/ask files in the Documents\GomProFiles folder. However, backfill is not easily available unless manually running Market replays, or downloading files from sharing threads on the futures.io forum.

On NT8, historical bid/ask info is provided by NinjaTrader servers.

UpDownTick: when price goes up, it's considered buying, and all the future ticks are considered buying, unless we find a down tick, i.e. price goes down, in which case we have a sell, and all future ticks are considered a sell, unless we find an up tick, etc..

On NT7, it uses the Ninja tick files.

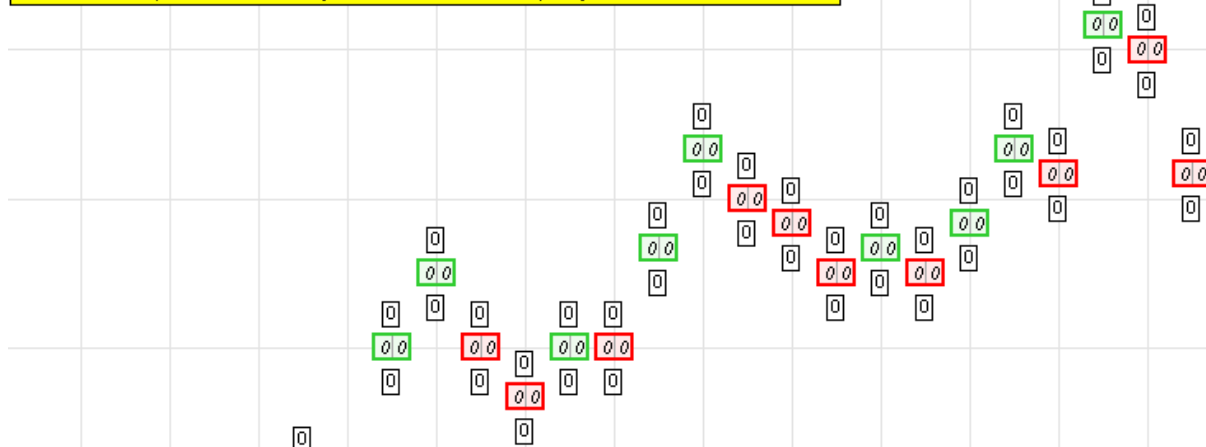
On NT8, data is provided by Ninja Files

Missing data alert message (NINJATRADER ONLY)

Allows activation of missing data alert.

Gom.OrderFlowPro(ES 06-16 (5 Min))

Your Bid/Ask recorded GomRecorder files seem incomplete so expect empty bars.
You can use UpDownTick as BuySell Calculation as a proxy



If you're using BidAsk, it means you have missing data in your BidAsk file.

If you're using UpDownTick, it means you're missing Tick Data, so please open a tick data chart and reload historical data.

Size Filtering (NEW IN 1.4)

Max Tick Size (only in NinjaTrader): Maximum size of the shown ticks. Set to -1 for “no maximum” ie show all ticks

Min Tick Size (only in NinjaTrader): Minimum size of the shown ticks

On Sierracharts, the chart Volume filter can be used.

The screenshot shows the 'Chart Settings' dialog box for 'DYH17 [M] 5 Min #1'. The 'Advanced Settings' tab is selected. The 'Volume Filter' section is highlighted with a red box. It contains the following fields:

- Title Bar Name:** [Empty text box]
- ☐ Use Title Bar Name as Tab Label
- Real-Time Price Multiplier:** 1
- Historical Price Multiplier:** 1
- Volume/Open Int. Multiplier:** 1
- Volume Value Format:** 1
- Currency Value Per Tick:** 12.5
- Value Increment Per Bar in Ticks:** 1
- ☐ Invert Prices
- Volume Filter:** [Empty text box]
- Exclude >=:** 0
- Exclude <=:** 0
- ☐ Filter Trade Completely
- Vertical Grid Lines:**
 - ☐ Enabled
 - Days
 - Count: 1

The 'Region Data Lines' section contains a list of regions (Region 1 to Region 6) and a 'State' dropdown menu with options: Visible, Hidden, Overlapped.

The 'DOM Graph' section contains the following options:

- ☐ Draw DOM Graph on Chart
 - ☐ Show Volume Numbers
 - ☐ Only Bid/Ask Levels with Greatest Volume
 - ☐ Only Single Level with Greatest Volume
 - ☒ Show Volume Totals And Percentages
 - ☒ Show Spread
 - ☐ Show Bid Ask Prices
- Width in Bars: 5

The 'Chart Linking' section contains the following options:

- Link Number: None
- ☐ Symbol
- ☐ Bar Period
- ☐ Scroll Position
- ☐ Session Times
- ☐ Studies
- ☐ Days to Load
- ☐ Bar Spacing
- ☐ Trade Window
- ☐ Master Mode
- Apply to Linked Charts

The 'Copy Chart Drawings From Chart #'s' section contains the following options:

- Copy Chart Drawings From Chart #'s: [Empty text box]
- ☒ Show Chart Drawings for Different Symbols
- ☒ Show Hidden Drawings

The bottom of the dialog box has buttons for OK, Cancel, Apply, and Help.

Ticks per Price level (NEW IN 1.4)

(only in NinjaTrader):

If >1, incoming ticks will be aggregated on larger levels, ie if 10, then 1 level of the price ladder will contain 10 ticks. This setting is useful for instrument with extremely small tick size when compared to actual liquidity , ie NIFTY.

At the difference of the “auto aggreg ticks” in the autosizer, the “ticks per price level” will enable the creation of imbalances an reversal zones on the aggregated data, whereas the “auto aggreg ticks” has only a cosmetic purpose, and will keep the calculations done on the original tick flow.

On SierraCharts, the tick size dropdown can be used

Chart Settings - DYH17 [M] 5 Min #1

Main Settings | Advanced Settings | Advanced Settings 2 | Alerts

Date Range In File (yyy-mm-dd):
From: 2016-07-05 To: 2017-02-01

☒ Use Number Of Days To Load
Days To Load: 30
☐ Adjust Proportional With Bar Period

☐ Use Date Range
From: To:

Price Display Format: .1
Tick Size: 0.500000
☐ Auto-Set From Data Feed

Volume at Price Mult.: 1

Symbol: DYH17 Find

Trade and Current Quote Symbol: Find

Chart Data Type: Intraday Chart

Intraday Chart Bar Period:
Bar Period Type: Days-Mins-Secs Per Bar
0-5-0 ☐ Fill Session Gap
☐ New Bar When Exceeded

Session Times (HH:MM:SS):
Start Time: 00:00:00
End Time: 23:59:59
☐ Use Evening Session
Evening Start: 00:00:00
Evening End: 23:59:59
☒ New Bar At Session Start
Load All Weekend Data

Historical Chart Bar Period:
☒ Days: 1
☐ Weekly
☐ Monthly
☐ Quarterly
☐ Yearly

Graph Draw Type:
OHLC Bars
Candlestick Bars
Candlestick Body Only
Candlestick Bars Hollow
Line on Close
Mountain

Scale

Apply Global Symbol Settings

Edit Global Symbol Settings

☐ Automatically Rollover Futures Symbol
☐ Save Days to Load, Intraday Bar Period, Graph Draw Type as Default

OK Cancel Apply Help

Chart: CL 03-17 10000 Tick

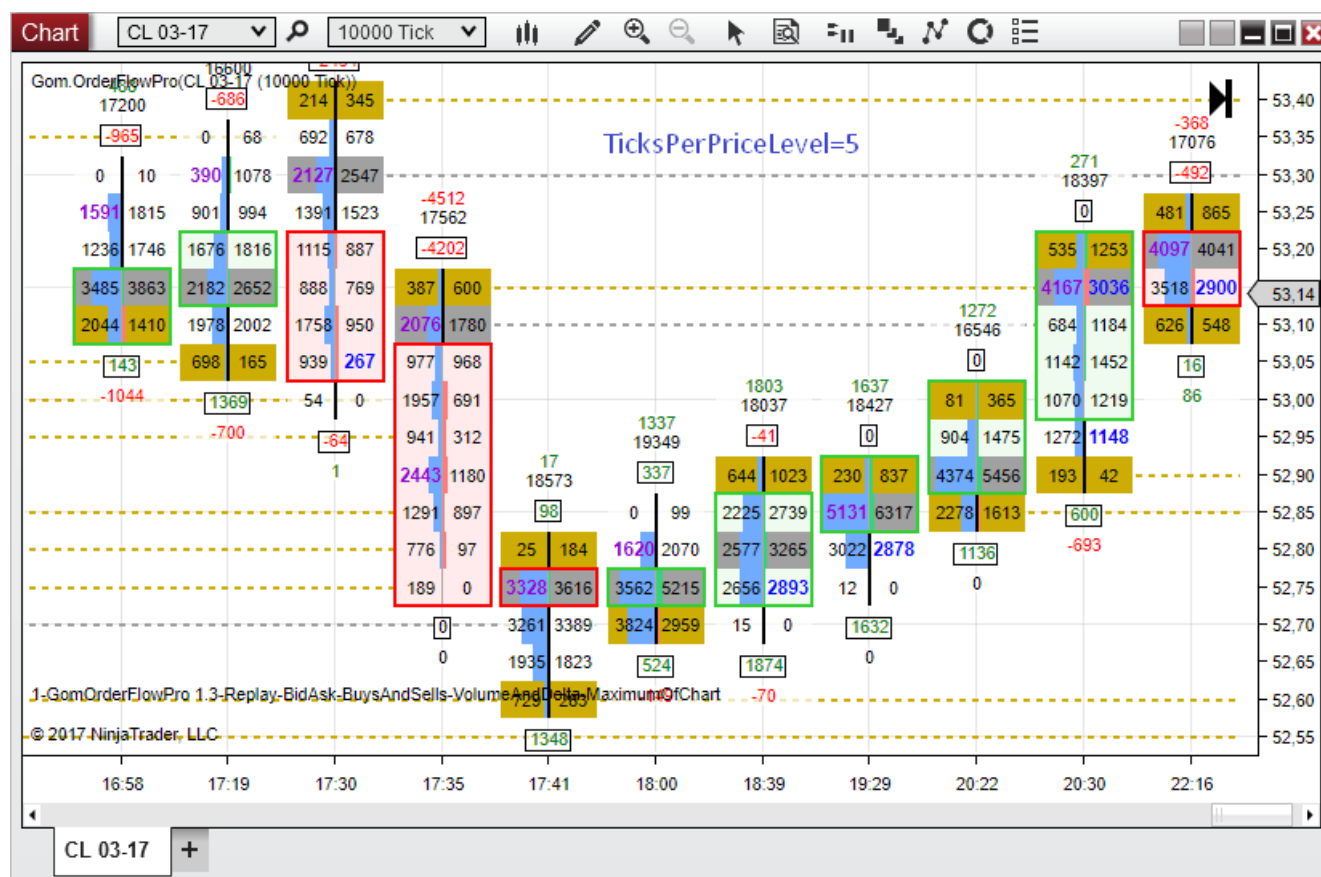
Gom.OrderFlowPro(CL 03-17 (10000 Tick))

Ticks Per Price Level = 1

1-GomOrderFlowPro 1.3-Replay-BidAsk-BuysAndSells-VolumeAndDelta-MaximumOfChart

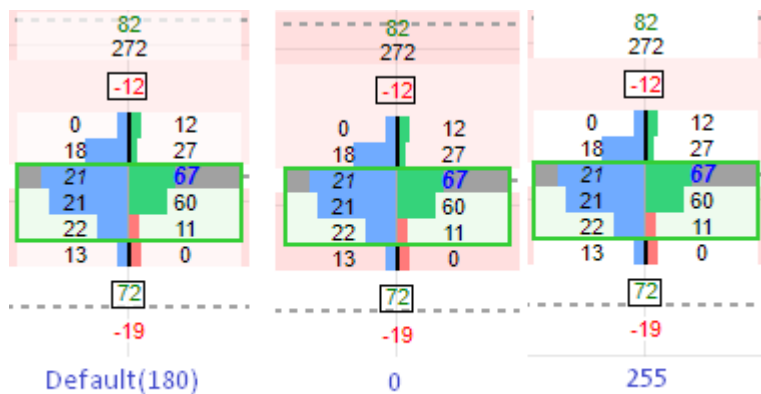
© 2017 NinjaTrader, LLC

CL 03-17 +



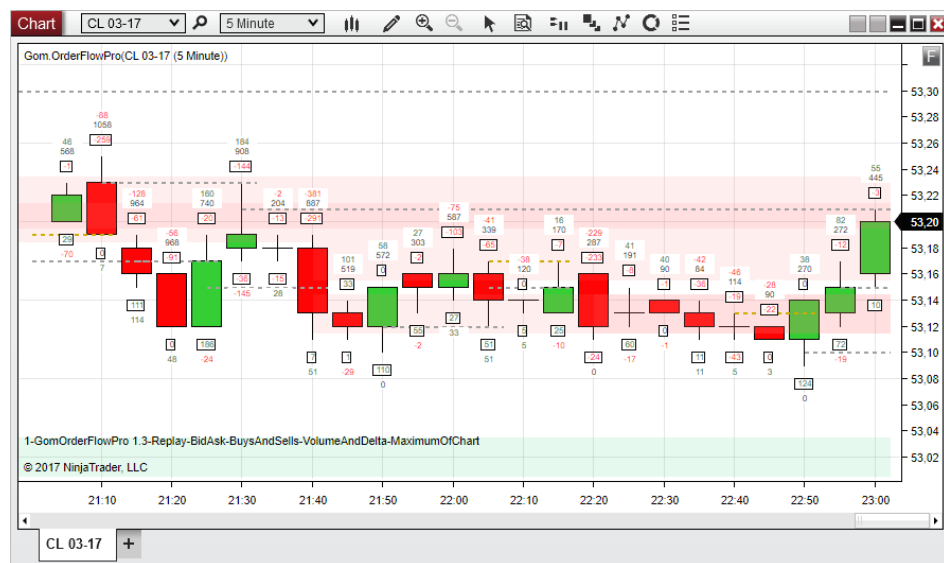
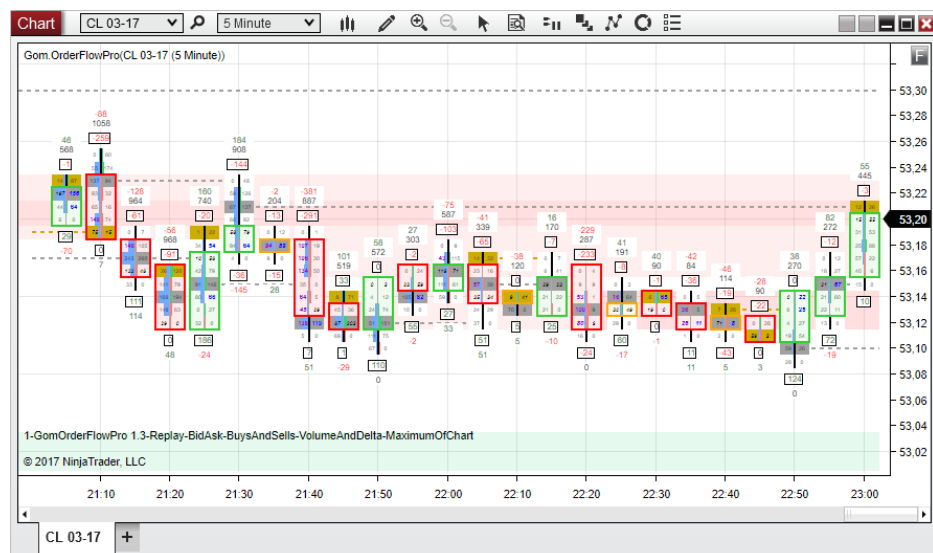
Background opacity (NEW IN 1.4)

Sets the opacity (0-255) of the background color painted behind the candle top/bottom and wicks



Disable all candle drawing (NEW IN 1.4)

Disables all candle drawing/painting, however levels and reversals are still calculated and plotted

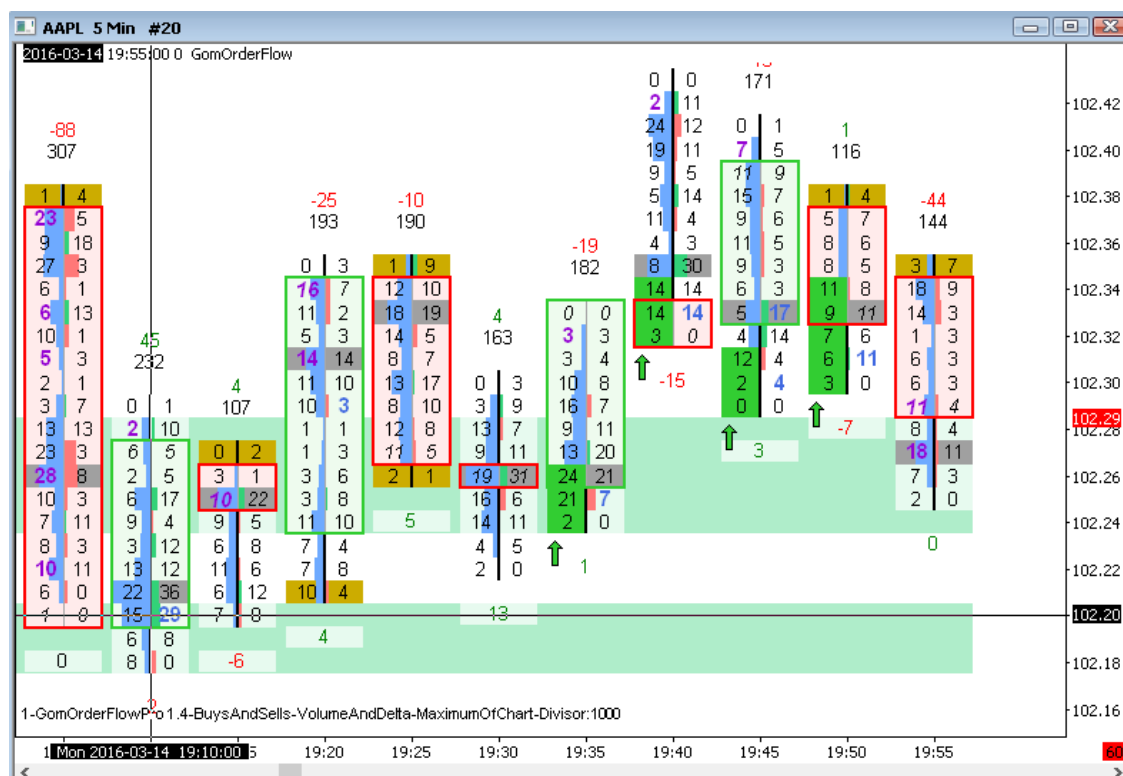
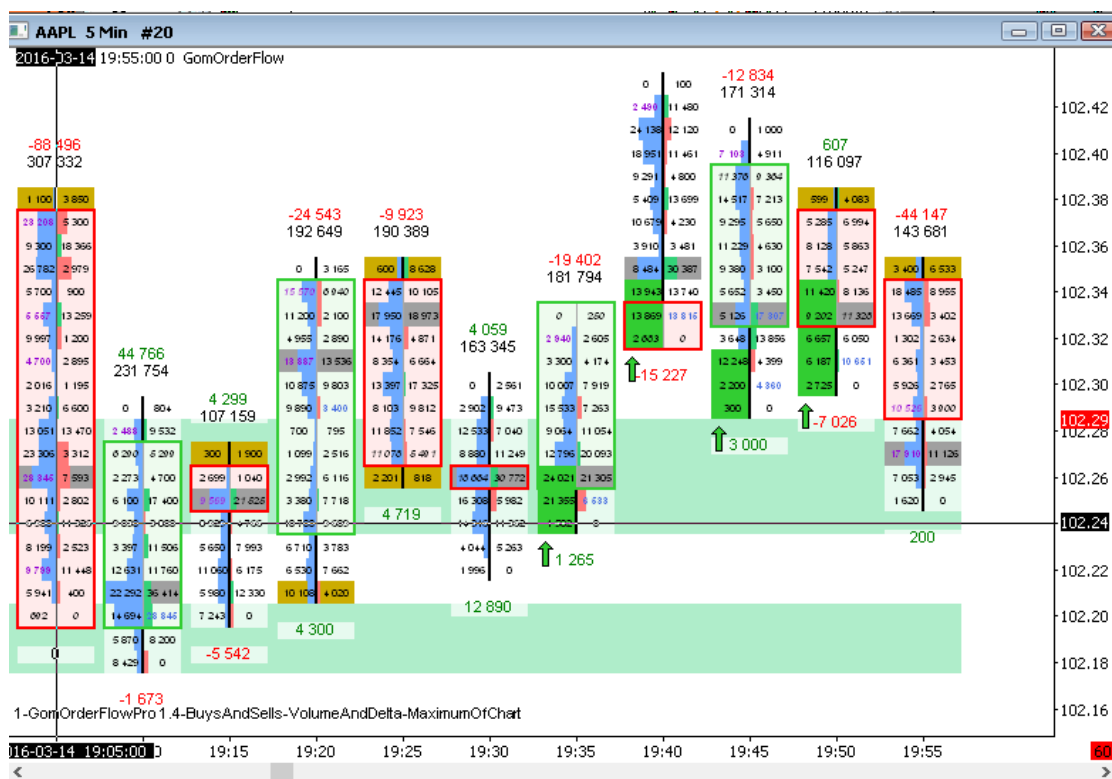


Volume viewing divisor (NEW IN 1.4)

The orderflow indicator will divide all the volumes shown by this number. This will allow much less number cluttering on high volume instruments like stocks, where volumes can be huge and cause reading issues.

The divisor is shown in the status bar on the lower left.

Here is an example on AAPL with Divisor=1 and Divisor=1000



TEXT SETTINGS

1. Text Settings	
1. Numbers to Show	BuysAndSells
2. Font Name	Arial; 8pt
3. Auto Font Color	True
4. Font Color	■ DarkRed
5. Font Min Size	8
6. Text Alignment	Centered

▼ Text Settings

Numbers to Show: BuysAndSells ▼

Font Name: Arial

Auto Font Color: ☒

Font Color: ■ DarkRed ▼

Font Min Size: 8

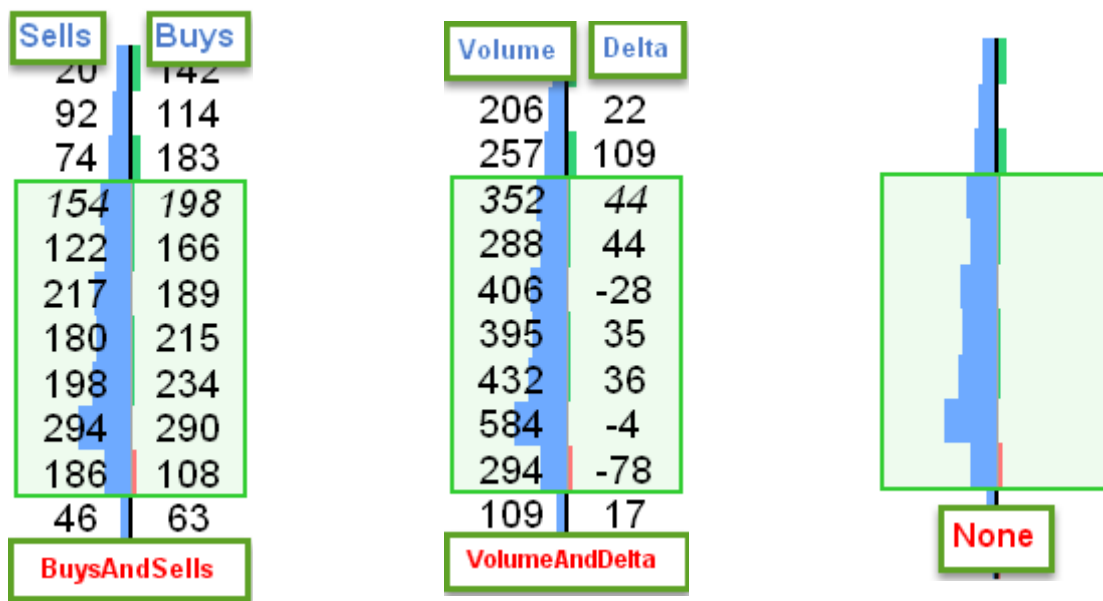
Text Alignment: Centered ▼

Numbers to Show	BuysAndSells
Font Name	Arial
Auto Font Color	Yes
Font Min Size	8
Text Alignment	Centered

■ FontColor (SG1)

Numbers to Show : BuysAndSells, VolumeAndDelta, None

This setting is hotkeyed using Divide Key on NinjaTrader 7 and Sierra, Ctrl Divide on NinjaTrader 8



Font Color : Defines cell font name

Auto Font Color:

If true, we'll select font color black or white depending on the luminosity of the background.

If false, font color is set by the Font Color setting.

Font Color: Sets the font color in case Auto Font Color is false.

Font Min Size :

Sets the target font size which will be used by the auto sizer in case it is activated.

Levels will be aggregated and bar widths will be set so that the font is not smaller than the min size. This will ensure OrderFlow numbers to be always readable

Font Max Size (new in 1.4):

Maximum size of the fonts when there is room to enlarge font rendering

Text Alignment: sets the way text is displayed in the cells.

20	142
92	114
74	183
154	198
122	166
217	189
180	215
198	234
294	290
186	108
Centered	

20	142
92	114
74	183
154	198
122	166
217	189
180	215
198	234
294	290
186	108
MiddleAligned	

SIZE SETTINGS

2. Size

1.Auto Size Bar Width	True
2.Auto Aggregate Levels	False
3.Candle Spacing	5

Size

Auto Size Bar Width

☒

Auto Aggregate Levels

☐

Candle Spacing

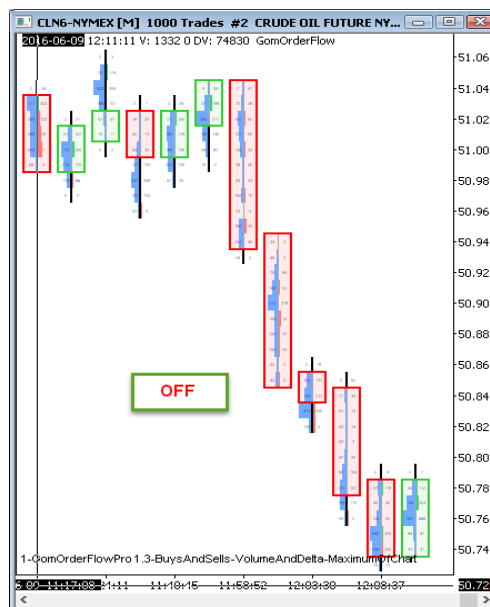
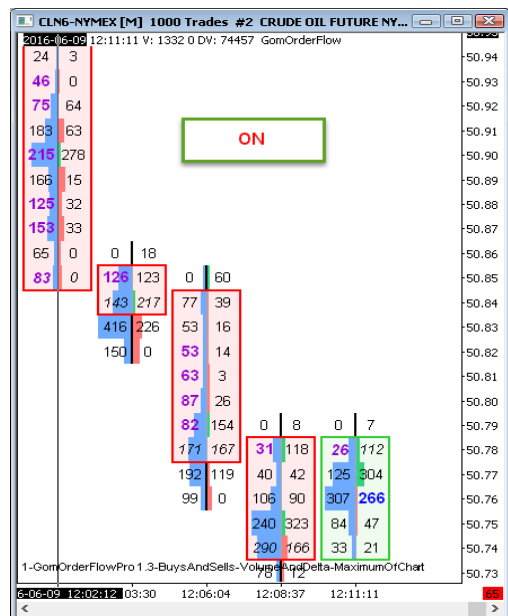
5

Size : Auto Bar Width	Yes
Size : Auto Aggregate Levels	No
Size : Candle Spacing	5

Auto Size Bar Width :

If enabled, bar width can't go below the minimum value need to fit all data using the minimum font size.

If disabled, fonts are reduced to fit the number in the bar.

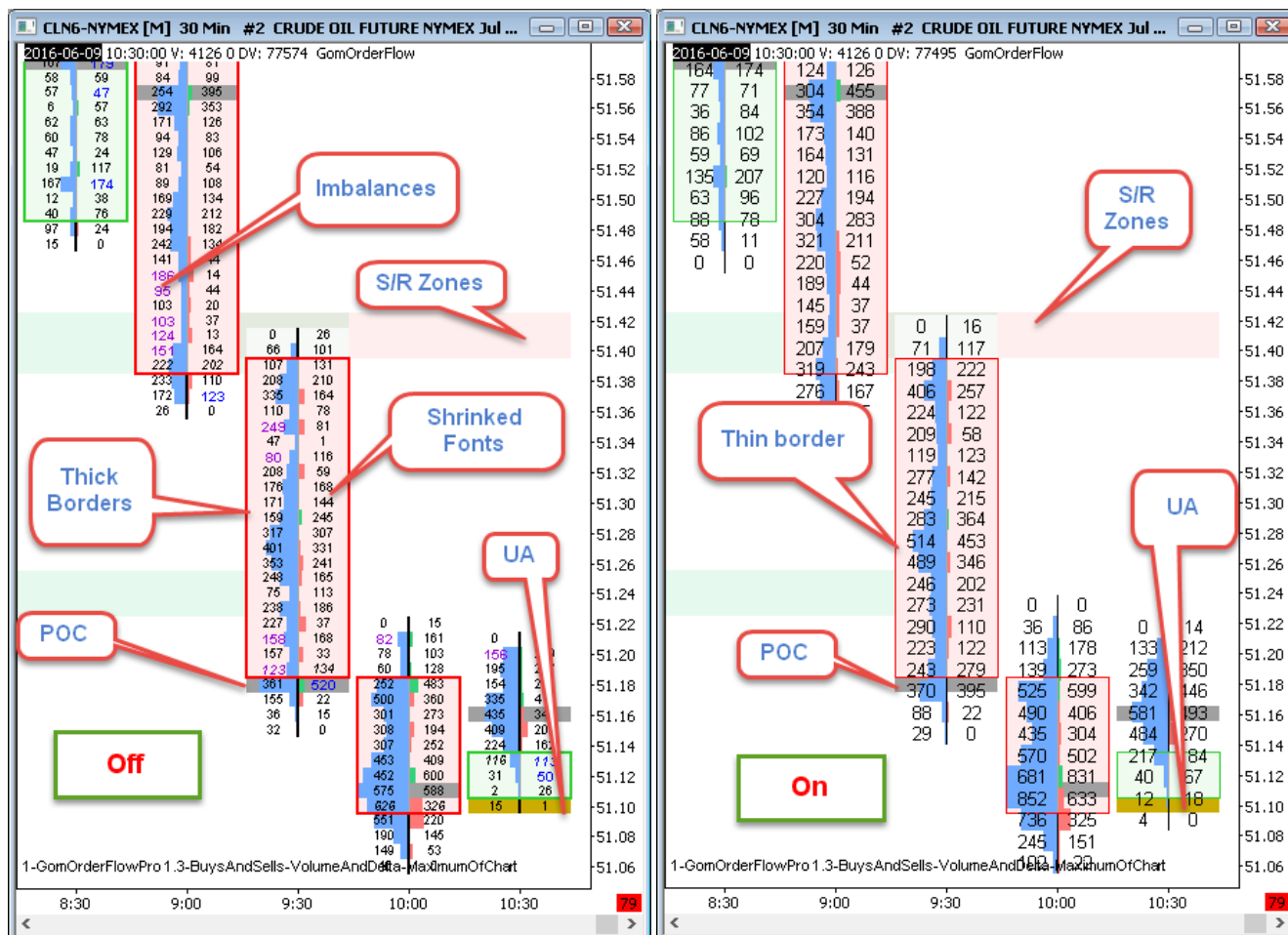


Auto aggregate levels

If enabled, levels of price are automatically aggregated so that the vertical height of each cells allows the use of the minimum font size.

Caution : when aggregation happens, the bar's surrounding rectangle will be thinner, to indicate shrinking is happening. Moreover, since cell values are modified, imbalances won't be shown, but imbalance S/R zones will still be computed and plotted. The precise POC and unfinished auction prices are also displayed

If disabled, fonts may be shrunk if necessary.



Candle spacing :

Sets the number of spacing pixels between bars. Default is 5

CANDLE BODY

3. Candle Body

1. Show Candle Body	True
2. Show Candle Outline	True
3. Up Color	LimeGreen
4. Down Color	Red
5. Close Color	Orange
6. Body Opacity	20

Candle Body

Show Candle Body	<input checked="" type="checkbox"/>
Show Candle Outline	<input checked="" type="checkbox"/>
Up Color	LimeGreen
Down Color	Red
Close Color	Orange
Body Opacity	20

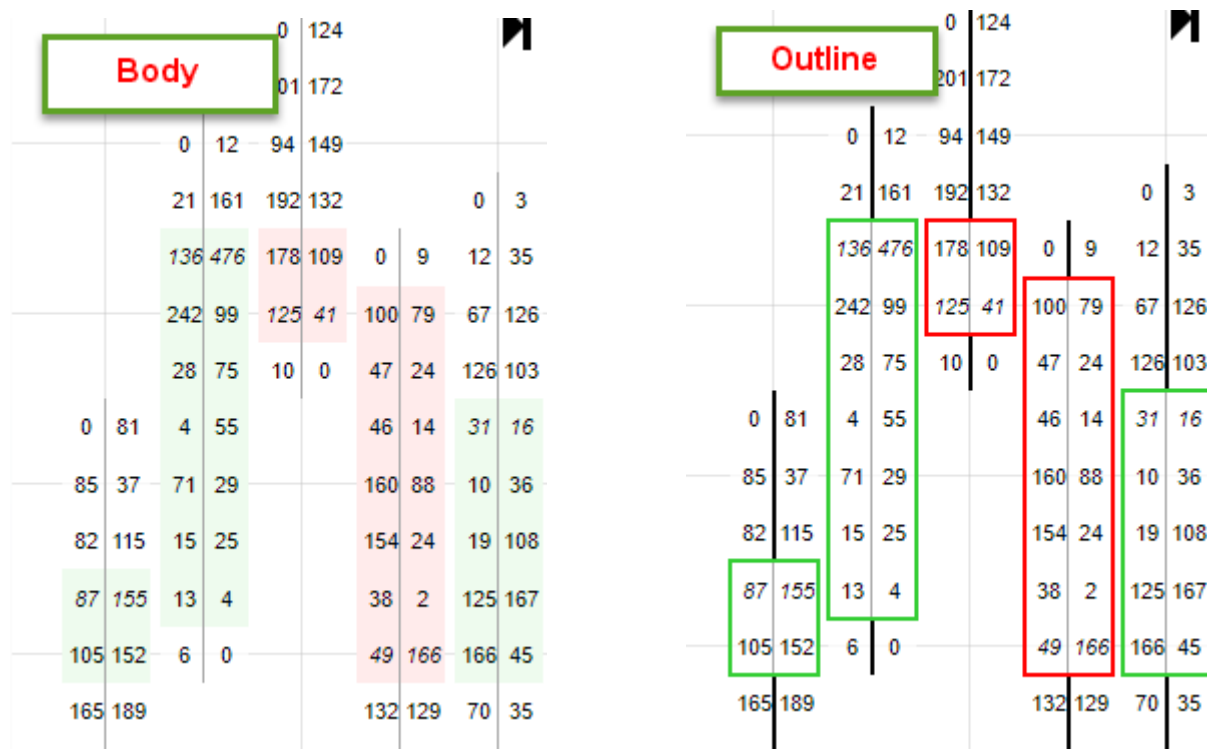
Show Candle Body	Yes
Show Candle Outline	Yes
Body Opacity	20

Body Up Color (SG2)	Ignore
Body Down Color (SG3)	Ignore
Body Close Color (SG4)	Ignore

Show Candle Body, Show Candle Outline

Governs the background painting/surrounding rectangle of the candle's Open/Close. (Candlestick representation)

Body painting opacity is set by the **Body Opacity** setting.



CELL FILL

4. Cell Fill	
1. Color Style	VolumeAndDelta
2. Maximum Calculation	MaximumOfChart
3. Buy Color	50; 210; 120
4. Sell Color	255; 120; 120
5. Volume Color	110; 170; 255

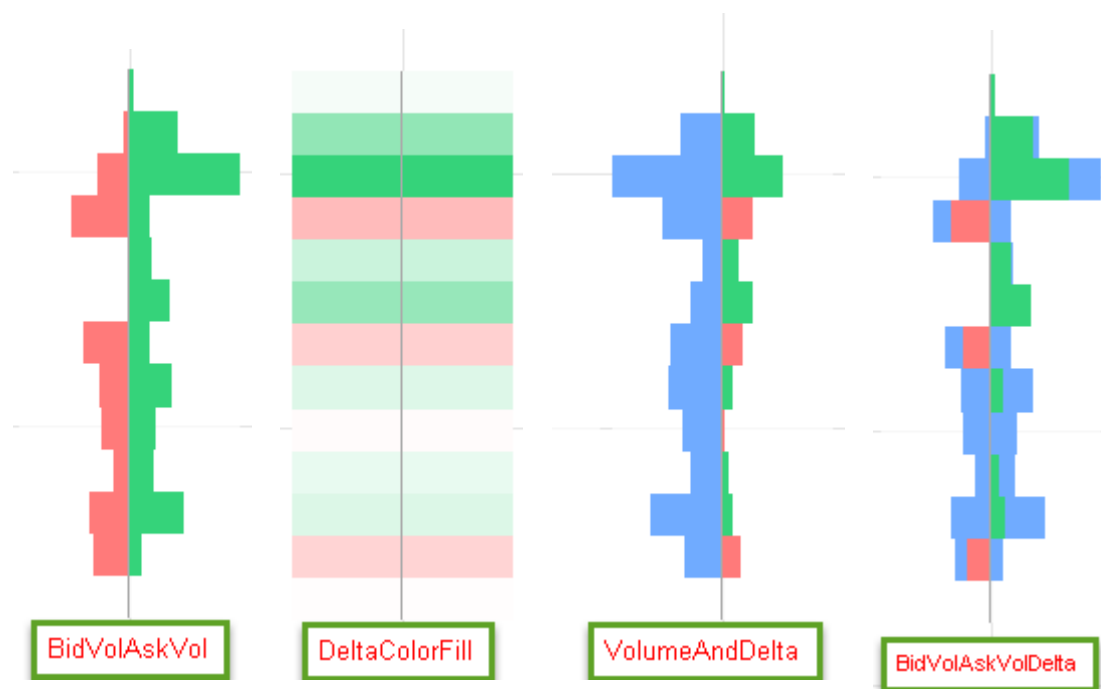
Cell Fill	
Color Style	None
Maximum Calculation	MaximumOfChart
Buy Color	#FF32D278
Sell Color	#FFF7878
Volume Color	#FF6EAAFF

Color Style	VolumeAndDelta
Maximum Calculation	MaximumOfChart
Buy Color (SG5)	Ignore
Sell Color (SG6)	Ignore
Volume Color (SG7)	Ignore

Sets how the cells are colored.

Color Style : BidVolAskVol, DeltaColorFill, VolumeAndDelta, BidVolAskVolDelta, None

This setting is hotkeyed using Add Key on NinjaTrader 7 and Sierra, Ctrl Decimal on NinjaTrader 8



BidVolAskVol : selling is on the left, buying is on the right

DeltaColorFill : delta (buys – sells) is computed on each price level, and cell color is set accordingly, “Sell Color” for negative delta, “Buy Color” for positive delta. Color opacity is the ratio between the delta and maximum absolute value of the delta.

VolumeAndDelta : total volume on the left, delta on the right

BidVolAskVolDelta : this is a mix between *BidVolAskVol* and *VolumeAndDelta*.

Neutral volume is painted in blue: it is the volume that is the same between buys and sells, which generates a null delta.

The remaining volume is painted with the delta color. So the bars have the length of the *BidVolAskVol* mode, with the colors of the *VolumeAndDelta* mode.

Maximum Calculation : MaximumOfChart, MaximumOfBar

Sets what maximum is used to draw the bar histograms and color the cells in *DeltaColorFill* mode

This setting is hotkeyed using Multiply Key on NinjaTrader 7 and Sierra, Ctrl Multiply on NinjaTrader 8

In *MaximumOfChart* mode, all the cells of the plotted bars are analyzed to find the highest value, and set all the histograms accordingly.

In *MaximumOfBar* mode, the maximum is calculated bar by bar.

MaximumOfChart gives a better overall view of the volume on the price levels, because all histogram bars of the screen have the same size ratio. So big and small volume bars can be observed. In *MaximumOfBar* mode, each bar is scaled independently, so there is a better view of the price volume on the low-volume bars, but there is no view of the overall volume of all the bars of the screen (i.e. where are the bars with high volume ?) since all bars don't have the same volume scale



BAR VOLUME, DELTA INFO AND COT

5. Bar Volume, Delta Info and COT	
1. Delta & Vol Display Mo	Candles
2. Show Total Delta	True
3. Show Total Volume	True
4. Show Delta Min/Max	True
5. Show Delta Finish	True
6. Show COT	True
7. Positive Delta Color	Green
8. Negative Delta Color	Red

Bar Volume, Delta I...	
Delta & Vol Display...	Candles
Show Total Delta	<input checked="" type="checkbox"/>
Show Total Volume	<input checked="" type="checkbox"/>
Show Delta Min/Max	<input checked="" type="checkbox"/>
Show Delta Finish	<input checked="" type="checkbox"/>
Show COT	<input checked="" type="checkbox"/>
Positive Delta Color	Green
Negative Delta Color	Red

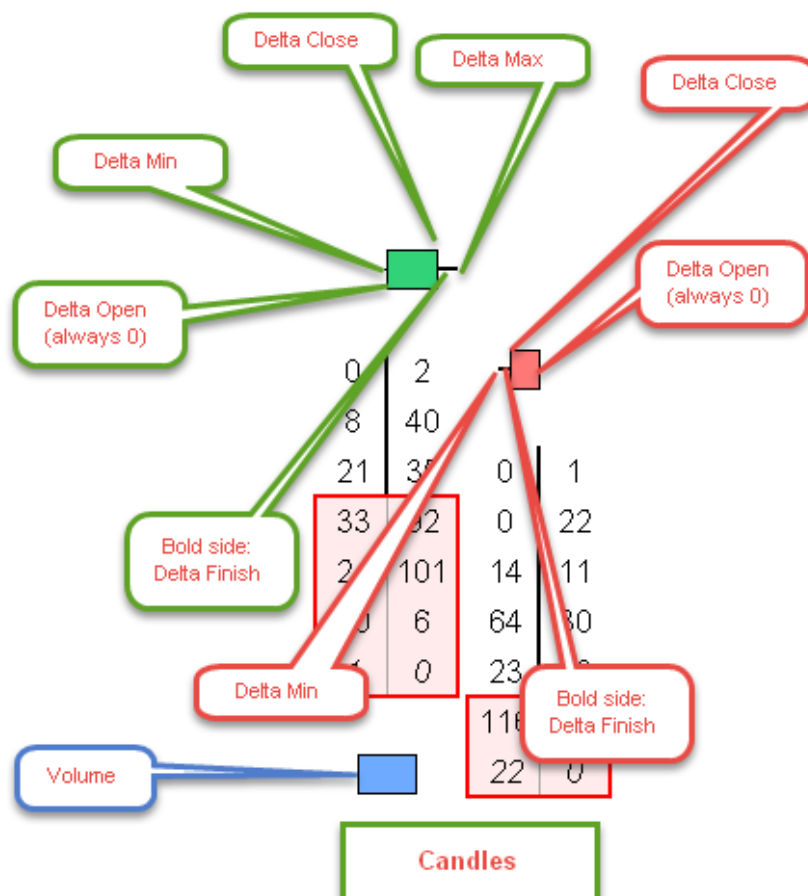
Delta & Vol Display Mode	
Delta & Vol Display Mode	Candles
Show Total Delta	No
Show Total Bar Volume	No
Show Delta Min Max	No
Show Delta Finish	No
Show COT - ! Needs Pullback activation ...	No

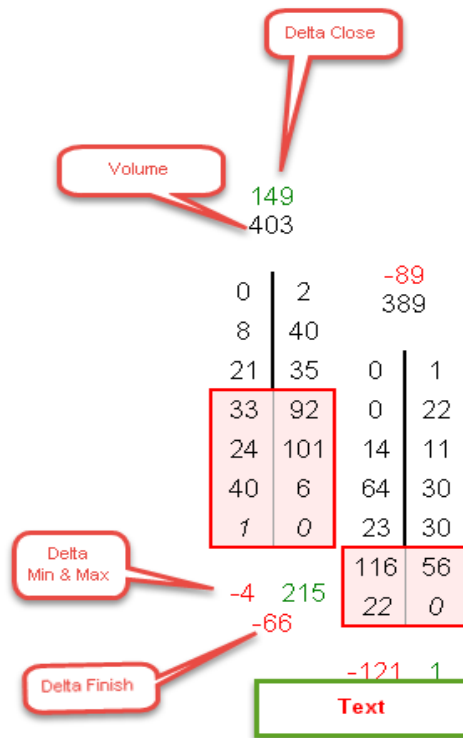
Positive Delta Color (SG8)	Ignore
Negative Delta Color (SG9)	Ignore

This section governs numbers shown below/above each bar.

Delta & Vol Display mode : Candles, Text, Both

This setting sets how the delta & volume info are displayed

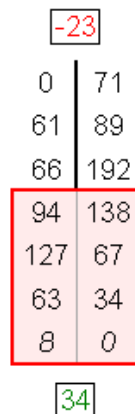




What is delta finish

Delta finish is the delta pullback since the last time it touched its intrabar minimum or maximum.

What is COT



There are 2 COTs : High COT and Low COT.

HighCOT is the delta since last time price touched the high of the bar. It's usually negative

LowCOT is the delta since last time price touched the low of the bar. It's usually positive.

High positive HighCOT and high negative LowCOT can be used to spot potential reversals, because in both cases, a lot of traders tried to aggressively take the price beyond the bar's high and low, and failed.

NB Sierra Users : using COT on Sierra requires setting up pullback in the chart settings

Chart Settings - CLN6-NYMEX 5 Min #1

Main Settings | Advanced Settings | Advanced Settings 2 | Alerts

☐ Display Region Dividing Lines ☐ Use Left Side Scale
☒ Display Main Price Graph Values in Values Windows Settings
☐ Draw Non-Highlight Drawings Underneath Main Graph and Studies
☒ Draw Highlight Drawings Underneath Main Graph and Studies
☐ Draw Horizontal/Vertical Grid Above Graphs
☐ Display Day Of Week With Dates On Intraday Chart Time Scale
☒ Highlight Timescale Dates, Months and Years
☒ Adjust Tool Values to Tick Size Historical Pullback Data: None
 Continuous Contract: None
☒ Split Data Records (Applies to NumberOfTrades, Volume, etc.)
☐ Disable Data File Updating ☒ Allow Real-Time Updating of Historical Chart
☐ Hide Values Scale ☐ Hide Time Scale ☐ Lock Fill Space
☐ Allow Zero Values Number Of Forward Columns: 150
☐ Apply Intraday Session Times To Intraday Chart
☐ Combine Sun-Mon Daily Bars
 Time Zone: Use Global Time Zone Chart Region: 1
☐ Include Columns With No Data
☐ Do Not Draw Columns With No Data
☐ Include Weekend Columns Before First Trade
☐ Include Sat-Sun Bars For Daily Charts
☐ Attach Trade Window to Right Side
☐ Align Order Cancel (X) Button to Right
 Trade Drawings Left Align: 100
 Order Mills Start Date: 00:00:00
 Position Profit/Loss: Points (P)
 Dates To Exclude:
 Chart Update Interval In Milliseconds (0=Default): 0

OK Cancel Apply Help

HIGHLIGHTED CELLS

06. Highlighted Cells	
1. Show Unfinished Auctions	True
2. UA pen	ffccac00; 2px
3. Show Naked UA	True
4. Show POC	True
5. POC pen	ffa0a0a0; 2px
6. Show Naked POC	True
7. Show Naked History	True
8. Reset Naked Levels on Session Start	False

Highlighted Cells

Show Unfinished Auctions ☒

UA pen ☒ Dash, 2px

Show Naked UA ☒

Show POC ☒

POC pen ☒ Dash, 2px

Show Naked POC ☒

Show Naked History ☒

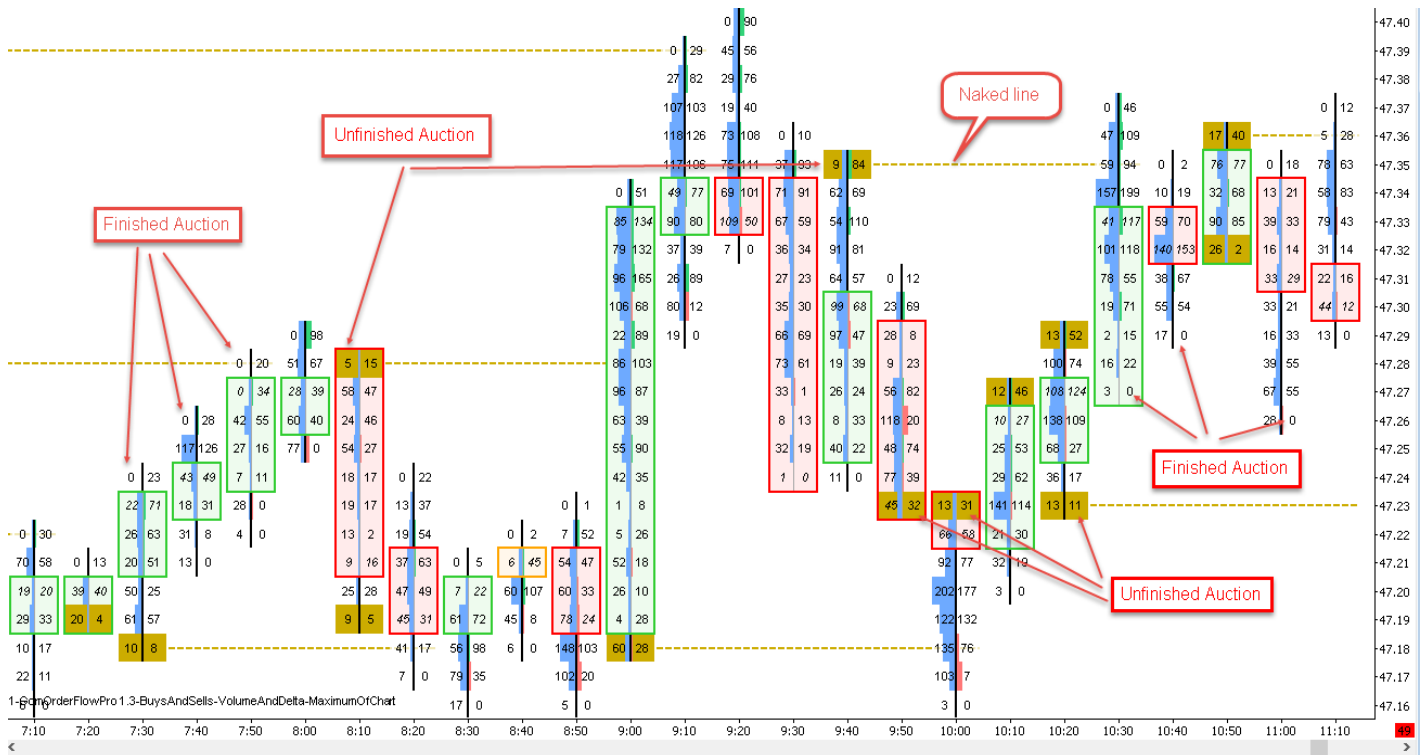
Reset Naked Levels on Session Start ☒

Show Unfinished Auctions	Yes
Show Naked Unfinished auctions	Yes
Show POC	Yes
Show Naked POCs	Yes
Show Naked History	Yes
Reset Naked Levels on Session Start	No
Unfinished Auction Pen (SG10)	Line
POC Pen (SG11)	Line

What is an Unfinished Auction (or unfinished business)

Unfinished auctions happen on the high or the low of a bar, and appear when the high or low price level **does not** show one side's end of interest, i.e. no more aggressive buyers on the low, no more aggressive sellers on the high.

These prices might get rested to end the auction process.



What is the POC

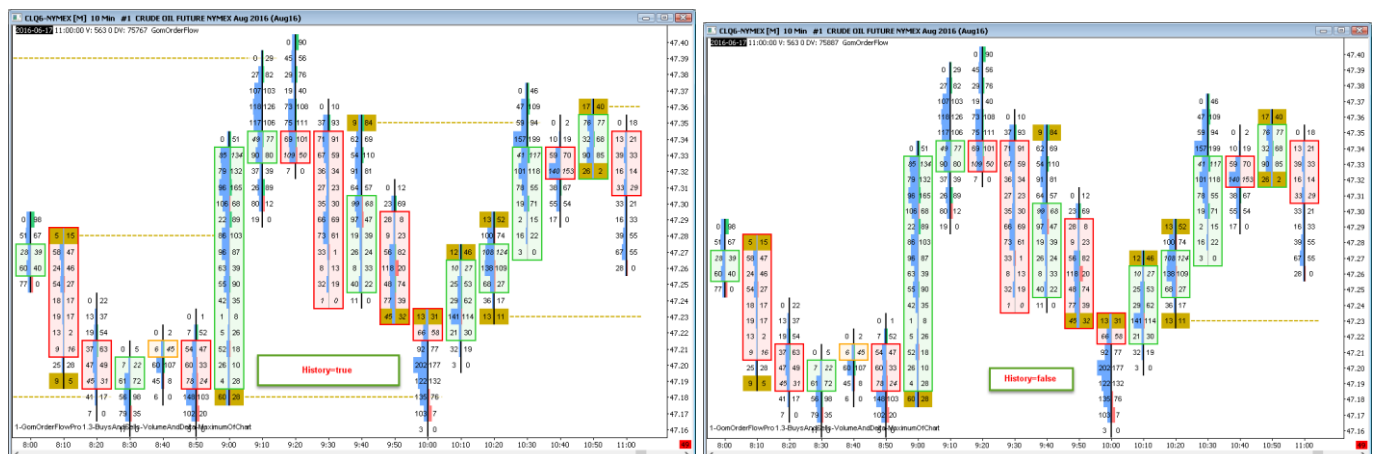
POC is "Point of Control", it's market profile lingo meaning the price with the highest volume of the bar

What are naked lines

Naked lines are extension of prices values (POC or Unfinished Auctions) in the future, to help visualize where they are. As soon as these prices are touched again, they are not naked anymore, and the lines disappear.

Show Naked history setting:

If true, old, deactivated, naked lines will be displayed, allowing analysis of naked lines on historical data.



Reset Naked Levels on Session Start : On session start, any untouched naked level is cancelled.



IMBALANCE LEVELS

7. Imbalance Levels	
1. Show Imbalances	False
2. Method	Diagonal
3. Comparison Operator	Ratio
4. Operator Threshold	3
5. Size Filter	0
6. Use Bold	True
7. Use Larger Fonts	True
8. Buy Color	Blue
9. Sell Color	DarkViolet

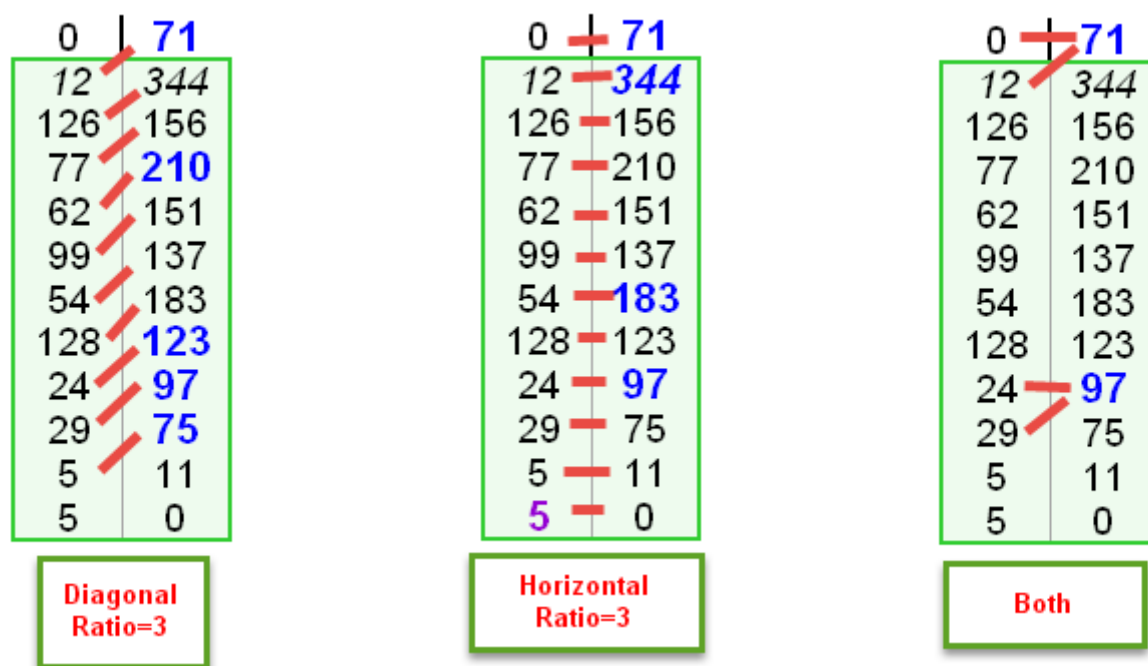
Imbalance Levels	
Show Imbalances	<input checked="" type="checkbox"/>
Method	Diagonal
Comparison Operator	Ratio
Operator Threshold	3
Size Filter	0
Use Bold	<input checked="" type="checkbox"/>
Use Larger Fonts	<input checked="" type="checkbox"/>
Buy Color	Blue
Sell Color	DarkViolet

Show Imbalances	No
Imbalance Method	Diagonal
Imbalance Comparison Operator	Ratio
Imbalance Operator Threshold	3
Imbalance Size Filter	0
Imbalance Use Bold	Yes
Imbalance Use Larger Fonts	Yes
Imbalance Buy Color (SG12)	Ignore
Imbalance Sell Color (SG13)	Ignore

Imbalances show price levels where there are much more aggressive buyers than aggressive sellers and vice versa.

When Level Aggregation is used, imbalance levels are not plotted, but they are computed internally and can be used to show the S/R zones (see next section)

Method : Diagonal, Horizontal, Both



Diagonal : compare buyers/sellers diagonally

Horizontal : compare buyers and sellers on same price level

Both : both Diagonal and horizontal conditions must be true to get an imbalance

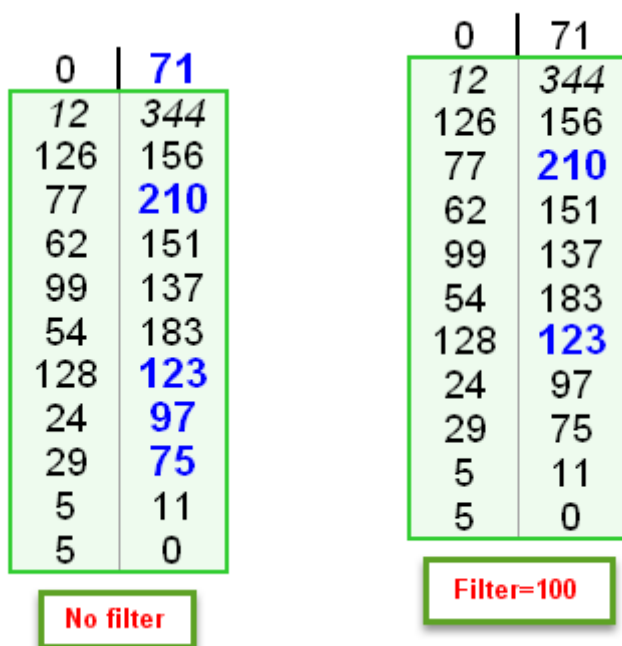
Comparison Operator : Ratio, Difference

Ratio : to get buying imbalance, we need buys/sells > operator threshold (default 3), and vice versa for sellers.

Difference: to get buying imbalance, we need buys – sells > operator threshold, and vice versa for sellers.

Size Filter

This settings allows to show only the imbalances where the winning side has a minimum volume



Use Bold, Use Larger Fonts

These settings change font size/boldness to enhance readability of imbalance levels.

S/R ZONES

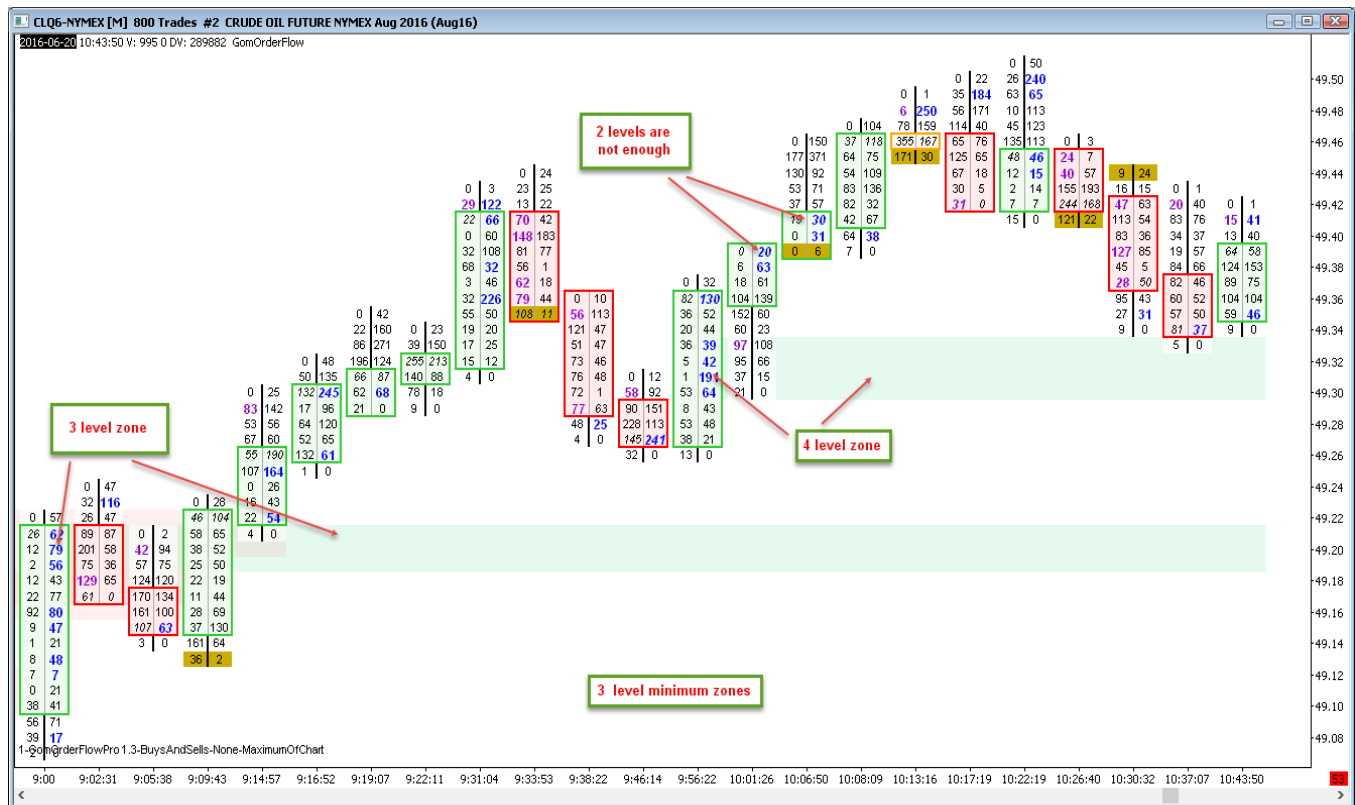
08. S/R Zones		S/R Zones			
01. Show S/R Zones	True	Show S/R Zones	<input checked="" type="checkbox"/>	Show S/R Zones	Yes
02. Number of consecutive levels	3	Number of consecutive levels	3	S/R Number of consecutive levels	3
03. Minimum total volume	0	Minimum total volume	0	S/R Minimum total volume	0
04. S/R Valid until when ?	FullCandleCross	S/R Valid until when ?	FullCandleCross	S/R Valid until when ?	FullCandleCross
05. Show History	True	Show History	<input checked="" type="checkbox"/>	S/R Show History	Yes
06. S/R Opacity	32	S/R Opacity	32	S/R Opacity	32
07. Reset Zones On Session Start	True	Reset Zones On Session Start	<input type="checkbox"/>	S/R Reset Zones On Session Start	No
08. Sound Alerts	False	Sound Alerts	<input type="checkbox"/>	S/R Sound Alerts	No
09. Resistance sound	c:\temp\closed-hat-trim	Resistance sound	c:\temp\closed-hat-trim	S/R Resistance sound	c:\temp\sound\closed-hat-trim
10. Support sound	c:\temp\kick-trimmed	Support sound	c:\temp\kick-trimmed	S/R Support sound	c:\temp\sound\kick-trimmed

This sections governs the plotting of the S/R levels defined as a vertical series of consecutive imbalances.

When multiple consecutive buying imbalances appear, they create a zone where the buyers will defend their position, hence a support zones, and vice versa with selling imbalances

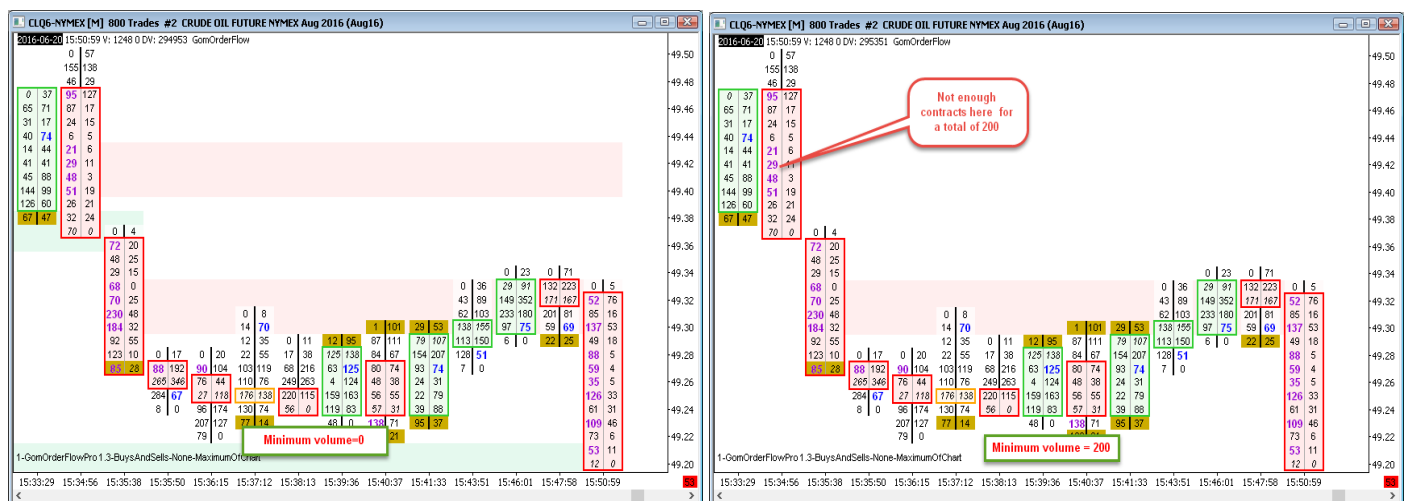
Number of consecutive levels

This number sets the minimum number of vertical levels needed for a S/R zone to be defined. Default is 3



Minimum Total volume

Defines the minimum volume of total imbalance levels needed to define a S/R zones. This can be used to withdraw zones not defined with enough contracts.

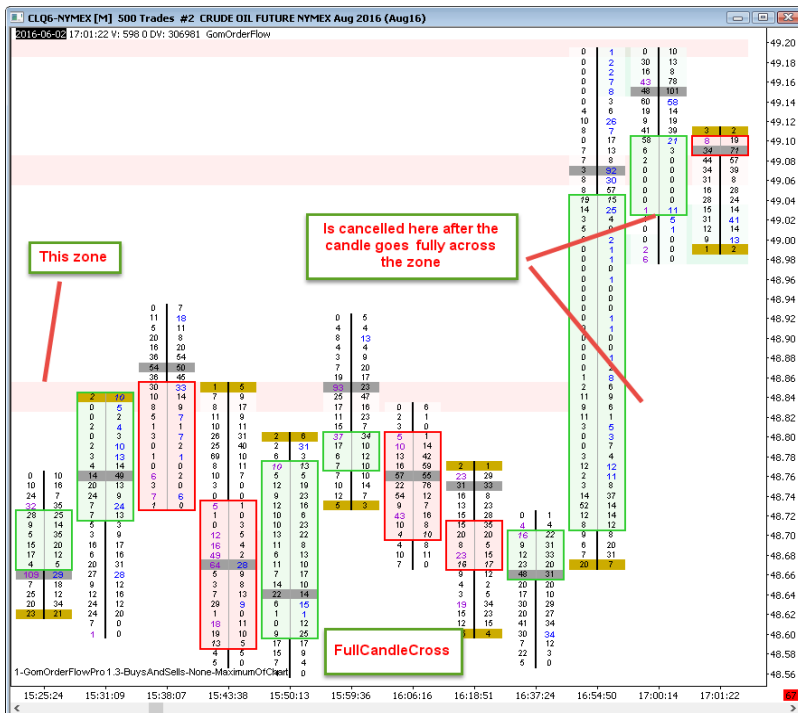
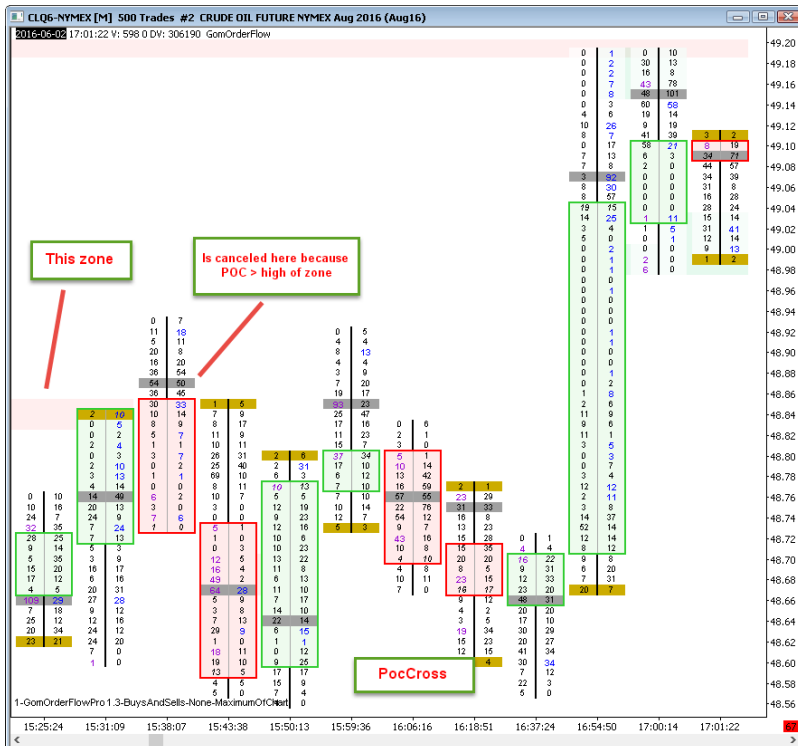


S/R valid until when ? : FullCandleCross, PocCross

This settings sets how is decided that a S/3 zone is not valid any more

FullCandleCross: the full candle needs to have crossed the S/R zone

PocCross: S/R zone is invalidated as soon as the POC of the candle has crossed.



Show History Shows historical cancelled zones for analysis purposes.



Opacity : Sets the opacity (0-255) of the S/R zone.

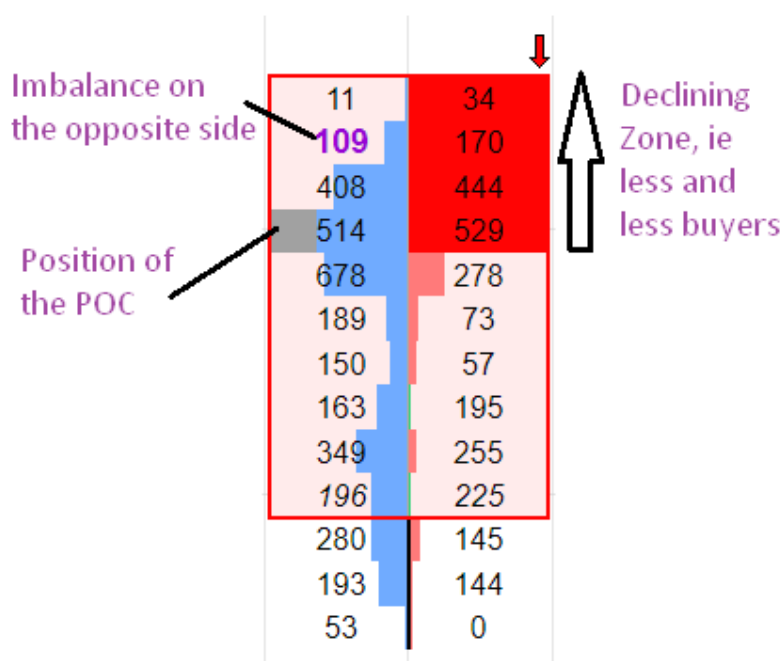
Reset Zones on session start (new in 1.4): If true, all zones get cancelled at the start of each new session



Sound Alerts (new in 1.4): If true, a sound will be played whenever a new support or resistance is created

Resistance/Support sound (new in 1.4): Defines the sounds to be played if "Sound Alerts" is true

REVERSALS (NEW IN 1.4)



Reversal indicator show potential reversals : they are shown when a certain number of conditions are met, concerning

- Declining interest on one side
- Imbalance on the opposite side
- Absence or presence of imbalance on the declining side.
- POC (price with maximum volume) in a favorable zone in the bar.
- Total volume of the Declining Zone vs Total volume of the opposite zone

09. Reversals		Reversals			
01. Color Declining Zone	True	Color Declining Zone	<input checked="" type="checkbox"/>	Rev. Color Declining Zone	Yes
02. Show Reversal Arrows	True	Show Reversal Arrows	<input checked="" type="checkbox"/>	Rev. Show Reversal Arrows	Yes
03. Minimum Number of Declining	3	Minimum Number of Declining...	3	Rev. Minimum Number of Declining Levels	3
04. Allow Imb. on Declining Side	False	Allow Imb. on Declining Side	<input type="checkbox"/>	Rev. Allow Imb. on Declining Side	No
05. Min. size of Opposite imb.	1	Min. size of Opposite imb.	1	Rev. Min. size of Opposite imb.	1
06. Position of POC	InDecliningSideHalfOfBar	Position of POC	InDecliningSideHalfOfBar	Rev. Position of POC	InDecliningSideHt
07. Force Decl. Vol. < Opp. Vol.	True	Force Decl. Vol. < Opp. Vol.	<input checked="" type="checkbox"/>	Rev. Force Decl. Vol. < Opp. Vol.	Yes
08. Up Color	LimeGreen	Up Color	LimeGreen	Rev. Sound Alerts	No
09. Down Color	Red	Down Color	Red	Rev. Up sound	c:\temp\sound\kick-t
10. Sound Alerts	False	Sound Alerts	<input type="checkbox"/>	Rev. Down sound	c:\temp\sound\clo
11. Up sound	c:\temp\sound\kick-t	Up sound	c:\temp\sound\kick-trimme		
12. Down sound	c:\temp\sound\close	Down sound	c:\temp\sound\closed-hat		

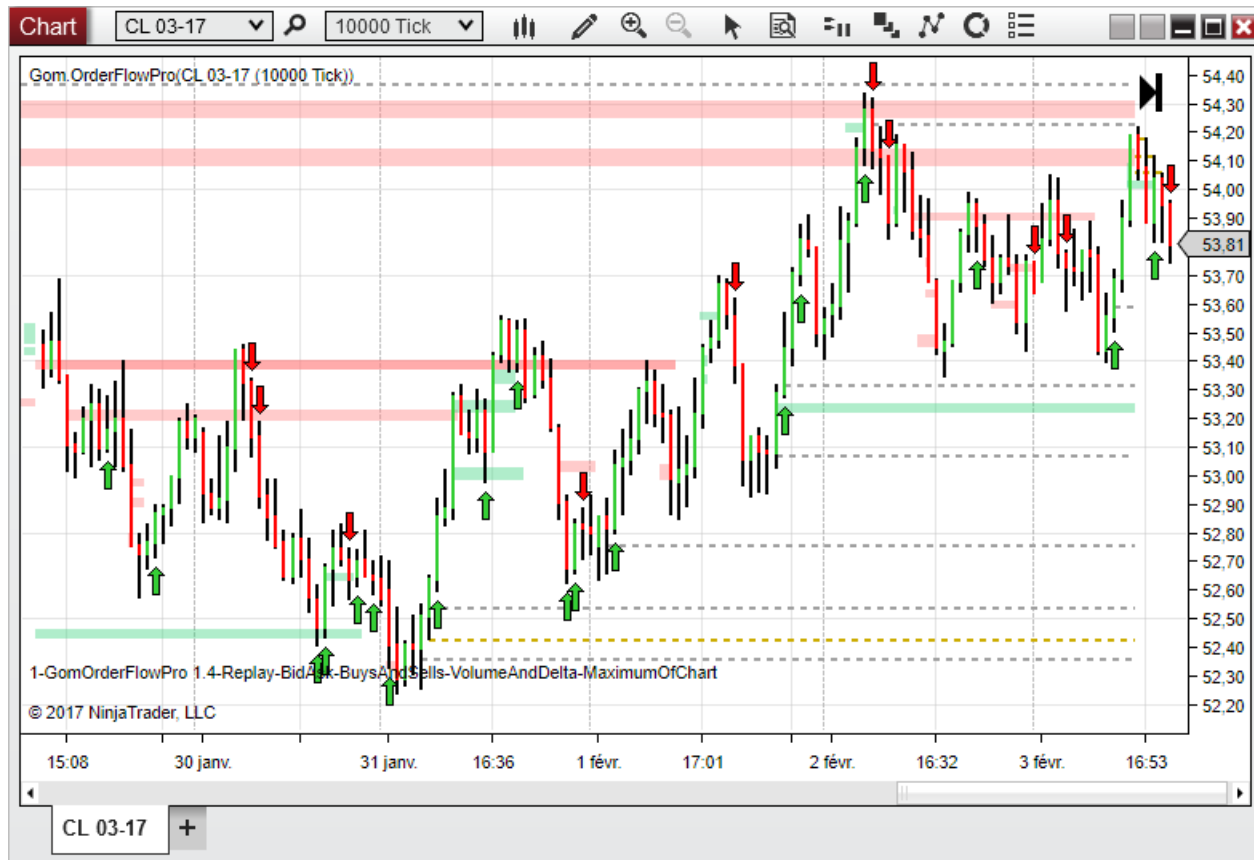
Color Declining Zones :

If set to True, will paint the cells in the declining zone with Up color or Down Color if all the conditions of the valid reversal are met.

Show Reversal Arrows.

When enabled, this setting will paint an arrow on the top or bottom of the candle when all conditions of valid reversal are met.

This allows to spot reversals even on a shrunk chart.



Minimum number of declining levels

Sets the minimum number of declining levels to validate the reversal zone, default is 3

Allow imbalance on declining side

We are trying to measure the failure of the decline side, this setting defines if having imbalances on the decline side is authorized for a valid reversal. Default is false because an imbalance on the declining side would mean strength.

Minimum size of Opposite Imbalance

If 0, there is no condition on the presence of imbalances on the opposite side

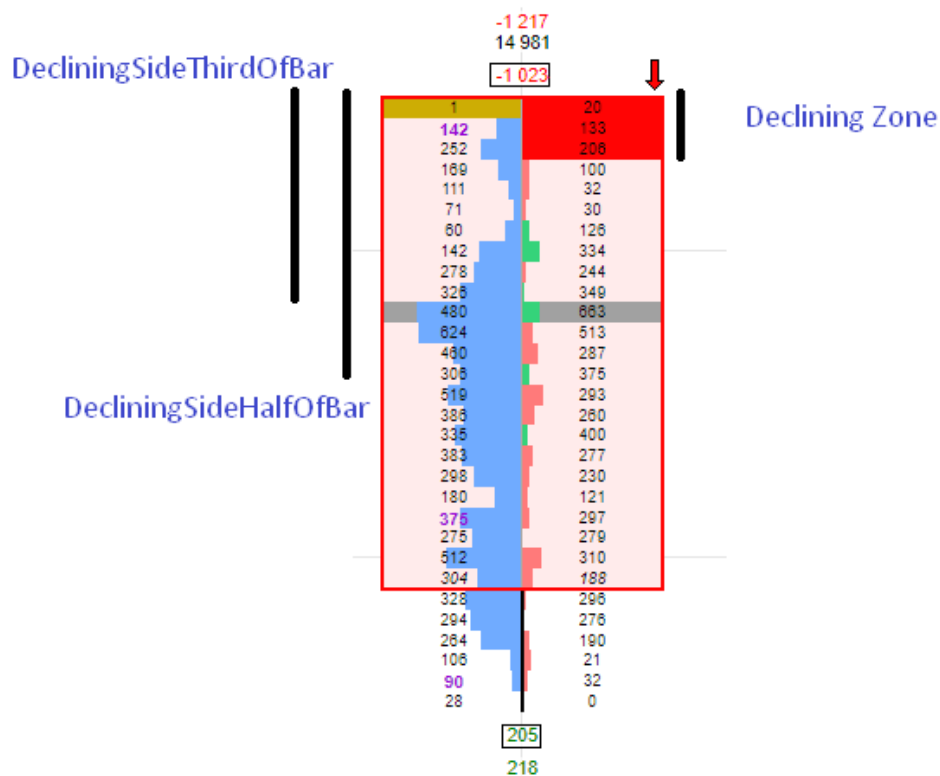
If 1, any kind of imbalance on the opposite side will validate the setup

If larger than 1, we look for an imbalance of a minimum size, to assert strength.

Position of the POC

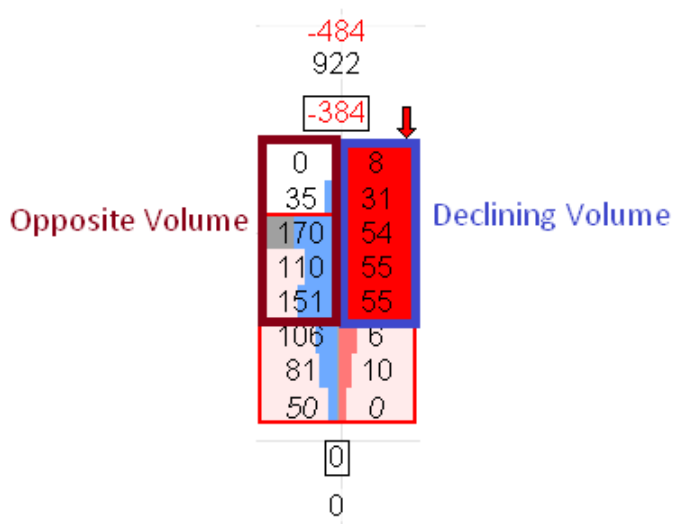
Having the POC on the declining side of the bar can help with imbalances working out because it can show there is a big number of traders trapped on the wrong side of the market near the highs or the lows.

Possibilities are *Anywhere*, *InDecliningZone*, *InDecliningSideHalfOfBar*, *InDecliningSideThirdOfBar*



Force Decl. vol < Opp. vol

When this option is set, a reversal is only validated if the total declining volume is smaller than the total opposite volume. The opposite would mean there is strength on the declining side.



Sound Alerts

If true, a sound will be played whenever a new reversal is found. This is only evaluated at the end of each bar

Up/Down sound Defines the sounds to be played if “Sound Alerts” is true

HOTKEYS

9.HotKeys

Color Mode Toggle Key	Decimal
Color Mode Toggle Mod	None
Focused Indicator Toggle Key	Space
Focused Indicator Toggle Mod	Ctrl
Maximum Mode Toggle Key	Multiply
Maximum Mode Toggle Modifi	None
Text Mode Toggle Key	Divide
Text Mode Toggle Mod	None

HotKeys

Color Mode Toggle...	Decimal
Color Mode Toggle...	Ctrl
Focused Indicator...	Space
Focused Indicator...	Ctrl
Maximum Mode To...	Multiply
Maximum Mode To...	Ctrl
Text Mode Toggle Key	Divide
Text Mode Toggle...	Ctrl

Toggle Text Mode Key	Divide
Toggle Text Mode Modifiers	None
Toggle Color Mode Key	Decimal
Toggle Color Mode Modifiers	None
Toggle Maximum Mode Key	Multiply
Toggle Maximum Mode Modifiers	None

All the hotkeys can be manually assigned.

Each hotkey consists of a key (., A, F1 etc) and a Modifier (None, Ctrl, Shift, Alt, ShiftCtrl,ShiftAlt,CtrlAlt,ShiftCtrlAlt)

A special hotkey is “Focused indicator toggle key” which is used to toggle the keyboard focus between hotkeyed indicators. (more used in GomMPPPro where you can put multiple GomMPPPros on one chart)