# **GOMORDERFLOW PRO**

# **DOCUMENTATION OF SETTINGS**

Version 2.5

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# **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

N Options					×
General Strategies Simulator Log Commiss	sion ATI	Data	RSS	Misc	
Historical chart data	Databas	e manage	ment		
Adjust for splits				Å	unt Cons
Adjust for dividends	B	eset DB		Acco	unt Grps.
🖂 Get data from server (if available)	Re	epair DB		Reset I	nstruments
Merge policy: MergeNonBackAdjusted $$					
Real-time data					
Save hart data as historical	Quote cu	urrencies (	FX) in:	Pip	) ~
Record for market replay					
✓ Filter bad ticks 0,1  ♣ % off market					
ОК		Cancel			

Please keep in mind that for NinjaTrader to download tick data, you must always have a tick-based chart open. A tickbased 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

Options		?
Categories	Properties	<b></b>
General Trading Strategies Automated trading interface Market data	General     Preferred connections – historical     Preferred connections - real-time     Historical	
	Adjust for splits – daily data Adjust for splits – intraday data Adjust for dividends Automatically choose time-based serie Get data from server Global merge policy Show Tick Replay	✓ ✓ ↓ Merge back adjusted ✓
	✓ Real-time Auto subscribe to required instruments Enable market recording for playback Filter bad ticks	OK Cancel Apply

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



# DATA SETTINGS

_		-	▼ Data Settings			
Ξ	01.Data Settings		Delta Calculation	BidAsk 🗸		
	01.Delta Calculation	BidAsk	Size filtering Max Tick Size	-1		
	02.Missing Data Alert Message	True	OIZE IIIKEIIIIG.MAX TICK OIZE			
	03.Size filtering:Max Tick Size	-1	Size filtering:Min Tick Size	0		
	04.Size filtering:Min Tick Size	0	Ticks Per Price Level	1		
	05. Ticks Per Price Level	1	Volume Viewing Divisor	1		
	06.Volume Viewing Divisor	1	Shows Missing Tick Replay Message	V	Dat:Volume Viewing Divisor (In:2)	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.



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 an reload historical data.

# Size Filtering (NEW IN 1.4)

<u>Max Tick Size (only in NinjaTrader)</u>: Maximum size of the shown ticks. Set to -1 for "no maximum" ie show all ticks <u>Min Tick Size (only in NinjaTrader)</u>: Minimum size of the shown ticks

On Sierracharts, the chart Volume filter can be used.

Chart Settings - DYH17 [M] 5 Min #1		×
Main Settings Advanced Settings Advanced	I Settings 2 Alerts	
Title Bar Name: Use Title Bar Name as Tab Label Real-Time Price Multiplier: Historical Price Multiplier: Volume/Open Int. Multiplier: Volume Value Format: Currency Value Per Tick: 12.5	Region Data Lines Region Number: State: Region 2 Region 3 Region 4 Region 5 Region 6 DOM Graph	Chart Linking Link Number: None Symbol Bar Period Scroll Position Session Times Studies Days to Load
Value Increment Per Bar in Ticks: 1	Show Volume Numbers	🗖 Bar Spacing
Volume Filter Exclude >= 0 Exclude <= 0 Filter Trade Completely	<ul> <li>Only Bid/Ask Levels with Greatest Volume</li> <li>Only Single Level with Greatest Volume</li> <li>Show Volume Totals And Percentages</li> <li>Show Spread</li> <li>Show Bid Ask Prices</li> </ul>	Trade Window Master Mode
venical Grid Lines	Width in Bars: 5	Apply to Linked Charts
Count: 1	Copy Chart Drawings From Chart #'s:	Show Hidden Drawings
OK Cancel Apply	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.

## On SierraCharts, the tick size dropdown can be used

Chart Settings - DYH17 [M] 5 Min #1		×
Main Settings Advanced Settings Advanced Sett	ings 2 Alerts	
Date Range In File (yyyy-mm-dd):	Chart Data Type:	Historical Chart Bar Period:
From: 2016-07-05 To: 2017-02-01	Intraday Chart <	C Days: 1
Use Number Of Days To Load	Intraday Chart Bar Period:	C Weekly
Days To Load: 30 🔹	Bar Period Type:	C Monthly
Adjust Proportional With Bar Period	Days-Mins-Secs Per Bar	C Quarterly
C Use Date Range	0-5-0 Fill Session Gap	© Yearly
From: To:	🗖 New Bar When Exceeded	Graph Draw Type:
	Session Times (HH:MM:SS):	OHLC Bars
Price Display Format: 1	Start Time: 00:00:00	Candlestick Bars
Tick Size: 0.500000	End Time: 23:59:59	Candlestick Body Only Candlestick Bars Hollow
Auto-Set From Data Feed	🗖 Use Evening Session	Mountain 🗸
Volume at Price Mult 1	Evening Start: 00:00:00	Scale
Symbol:	Evening End: 23:59:59	
DYH17 Find	🔽 New Bar At Session Start	Apply Global Symbol Settings
Trade and Current Quote Symbol:	Load All Weekend Data 💌	Edit Global Symbol Settings
Find	🗌 Automatically Rollover Futures Symbol	
	🔲 Save Days to Load, Intraday Bar Period	d, Graph Draw Type as Default
OK Cancel Apply	Help	

#### Here is an example view :



Chart	CL 03-17 🗸 🗸	<b>ب</b>	0000 Tick	~	111	• 🕀 🖯		÷11 🖏	NOB	=		- 🗆 🔀
Gom.Orde#Ek	wPro(CL 03-17 (10	000 Tick) 214 3	)) 345								N	- 53 40
		692 6	678			TicksPe	rPriceLev	el=5			-368 17076	- 53,35
0	10 <u>390</u> 1078	21 <mark>27</mark> 2	547							271 18397	492	- 53,30
159 <mark>1</mark> 1	815 901 994	139 <mark>1</mark> 1	523 -4 17	512 562						0	481 865	- 53,25
123 <mark>6</mark> 1	746 167 <mark>6</mark> 1816	1115 8	387 -4	202						535 1253	4 <mark>097</mark> 4041	- 53,20
3485 3	863 21 <mark>82</mark> 2652	888 7	769 387	600					1272	4167 3036	3 <mark>518</mark> 2900 .	53,14
2044 1	410 1978 2002	1758 9		1780					16546	684 1184	626 548	- 53,10
-104	4	939 2	0 105	968			1803	1637	21 265	1142 1452	16 86	53,05
	-700		941	312		1337	18037	1842/	904 1475	1272 1148		- 52.95
		1	244	1180	17 18573	337	644 1023	230 837	4374 5456	193 42		- 52,90
			1291	897	98	0 99	22 <mark>25</mark> 2739	5131 6317	2278 1613	600		- 52,85
			776	97	25 184	16 <mark>20</mark> 2070	25 <mark>77</mark> 3265	30 <mark>22</mark> 2878	1136	-693		- 52,80
			189	0	3328 3616	3562 5215	26 <mark>56</mark> 2893	12 0	0			- 52,75
				0	-3 <mark>261</mark> -3389	- <mark>3824</mark> 2959	15 0	1632				- 52,70
1-ComOrderE	lowPro 1 3 Deniav	Bid Ask B	aweAndSel	0 e-Volun	1935 1823	524 aximute@fCh	1874	0				- 52,65
© 2017 Ninia]	rader LLC	000000	ayanınga	3- y 01011	1249	balling in the	iuit					- 52,60
				1								
16:5	5 17:19	17:30	U 17	:35	17:41	18:00	18:39	19:29	20:22	20:30	22:16	
CL 03-1	7 +											

#### Volume viewing divlsor (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





#### Shows Missing Tick Replay Message (only in NinjaTrader 8)

If the Data Series is not in Tick Replay mode, historical data can't be loaded. The indicator will work with real-time data though.

If this setting is enabled, when the Data Series is not in Tick Replay, a yellow warning message is displayed

J	Chart YM 03-22	✓ 5 Minute	» ال 🔨	. ⊕, < + ⊡ ₽	1 M V 🛛 🗄	
0	Gom.OrderFlowPro-*/	lain Indicator*(YM 03-22 ( to be in tick replay mode	5 Minute)) . It needs to be enabled	d in Tools/Options/Market	t Data, and checked in the	Data Series parameters
_						
jı.						n

No message is displayed if the setting is disabled

			<ul> <li>Graphical Settings</li> </ul>				
_	. J	1	Auto Scale Bars				
Ξ	02.Graphical Settings		Disable All Candle Drawing				
	01.Auto Scale Bars	False	Oslastka Last Tisk			Gra:Auto Scale Bars (In:3)	No
	02.Disable All Candle Drawing	False	Color the Last rick		_	Gra:Disable All Candle Drawing (In:4)	No
	03.Color the Last Tick	True	Last Tick Color	Orange	~	Gra:Color the Last Tick (In:5)	Yes
	04.Last Tick Color	Orange	Show Current Bid/Ask			Gra:Last Tick Color (In:6)	R: 255, G:
	05.Show Current Bid/Ask	True	Current Bid Color	Red T	×	Gra:Show Current Bid/Ask (In:7)	Yes
	06.Current Bid Color	Red	Current Ask Color	LimeGreen	~	Gra:Current Bid Color (In:8)	R: 255, G:
	07.Current Ask Color	LimeGreen	Background Opacity	180	=	Gra:Current Ask Color (In:9)	R: 50, G: 2
	08.Background Opacity	180	Condia Speeing	4	=	Gra:Background Opacity (In:10)	180
	09.Candle Spacing	4	Candle Spacing	4		Gra:Candle Spacing (In:11)	4
	10.Extend Zones to the right	True	Extend Zones to the right		_	Gra:Extend Zones to the right (In:12)	Yes
	11.Bottom Message Type	NumberOnly	Bottom Message Type	Full	~	Gra:Bottom Message Type (In:13)	Full

### Auto Scale Bars (NEW IN 2.3)

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

On : When on, the chart is scaled so that cells can hold the data using the Font in "Normal Size"

- The bars are resized horizontally if they are not large enough to hold the data
- The vertical scale is modified so that the cells can be fully visible in the font's "Normal Size". Some bars of the chart might not be visible

🔀 ES 12-18 (10 Min) 03/12/2018					L	C	I X
🕴 🛛 ES 12-18 🝷 10 Min 🝷 🕅 🕶 🥒 🗲 💉 🍂	🗩   📲 🛄 🖾 🛛	s					
Gom.OrderFlowPro-*Main Indicator*(ES 12-18 (10 Min))					<1 27 956 [495]	1 1 13 759 -1 188	-2791,50 -2791,00
	<4 25 062				0 26 38 336 420 551 616 564 490 938 551 1.054	0 141 <b>741 463</b> 76 334 218 1456 1614 1412 1520 785	-2790,50 -2790,00 -2789,50
	-2 853           0         124           144         503           537         1 120           1 028         997           761         676           799         1 093           800         960           1 155         1 370			<b>22 740</b> <b>847</b> 0 374 620 628 1 636 929 1 529 696	768         1 072           1 307         1 187           1 158         1 883           1 359         2 285           2 493         1 135           828         948           605         541           259         1 056           722         1 016	531         669           974         741           638         124           301         177           173         193           478         0           576         -769	2789,00 -2788,50 -2788,00 -2787,50 -2787,00
	1 453         1 246           615         1 245           427         953           798         394           1 090         398           205         174           0         130	3>         1           18         916           -3         249           0         9           70         300           120         656           943         540	1 <2	778         463           686         939           744         908           1 354         1 553           1 122         1 669           1 789         1 150           940         356	573 309 454 377 37 0 815 2 600		-2786,50 -2786,00 -2785,50
<ul> <li></li> <li>■ 2018 NinjaTrader, LLC     1-GomOrderFlowPro 2.3-Up     18:10     18:20     18:30     </li> </ul>	5 378 976 944 1 025 DownTick-BuysAndSells 18:40	600 352 271 33 Autoscale:On 18:50	14 639 -375 19:00	755 200 21 107 19:10	19:20	19:30	-2785,00 -2784,50

Off : When on, the chart is scaled so that all candles are visible. Fonts are reduced accordingly

- All Bars are visible
- Data might not be readable, or might not be plotted if the font is too small.





#### Disable all candle drawing (NEW IN 1.4)







#### Color the Last Tick (NEW IN 2.0)

Colors the last tick to easily show where the last trade has happened.



#### Last Tick Color (NEW IN 2.0)

Color of the last tick.

# Show Current Bid/Ask (NEW IN 2.4)

Shows the current Bid/Ask Levels on the last candle.



# Current Bid Color / Current Ask Color (NEW IN 2.4)

Color of the Bid/ask rectangles (see above)

#### Background opacity (NEW IN 1.4)

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



#### Candle spacing ;

Sets the number of spacing pixels between bars. Default is 4

# Extend Zones to The Right (NEW IN 2.2)

When true, Naked lines and S/R zones will be extended to the right side of the screen



#### Bottom Message Type (NEW IN 2.5) : Full, NameOnly, NumberOnly, None

This setting manages de message shown in the bottom left

Full : Full Message with indicator Number + Indicator Name + indicator Settings



Name Only : Indicator Number + Indicator Name



Number Only



None : Shows no message

Remember that showing at least a number can be useful if you use multiple Gom indicators which need hotkeys.

The displayed number indicates which indicator will receive the hotkeys

EXT SETTING	S				
		Text Settings			
03. Text Settings		Numbers to Show	BuysAndSells		
1.Numbers to Show	BuysAndSells	Font Name	Arial	<b>T</b>	B 4 10 1
2.Font Name	Arial	Auto Fast Calar		Txt:Numbers to Show (In:10)	BuysAndSells
3.Auto Font Color	True	Auto Font Color		TxtFontName (In:TT)	Anal
4.Font Color	DarkRed	Font Color	DarkRed	Txt:Auto Font Color (In:12)	Tes D-139 C-0 B-0
5.Normal Font Size	10	Font Normal Size	10	Txt:Font Normal Size (In:14)	10
6.Large Font Size	12	Font Large Size	12	Txt:Font Large Size (In:15)	16
7.Text Alianment	Centered	Text Alignment	Centered	Txt:Text Alignment (In:16)	Centered

Numbers to Show : BuysAndSells,VolumeAndDelta,DeltaOnly (NEW IN 2.3),DiagonalDeltaOnly (NEW IN 2.5),None

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



Please note that in the case of *DeltaOnly*, if there is an imbalance on the side that is not "winning" the horizontal delta, a crossed I (+) is displayed to show the existence of the imbalance

Font Name: Defines cell font name

#### Auto Font Color:

If true, well 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.

#### Normal Font Size

Sets the target font size for the cell contents. It will be used by the Auto Scaler if enabled.

### Font Large Size (new in 1.4):

This is that size that will be used on imbalances or on the top/bottom data if "Use larger fonts " is enabled.

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					
Cent	Centered					

20	142					
92	114					
74	183					
15 <mark>4</mark>	198					
122	166					
217	189					
180	215					
198	234					
294	290					
18 <mark>6</mark>	108					
	~~					
MiddleAligned						
	0					

0	CANDLE BODY					
1	⊒ 04 Candle Porte		✓ Candle Body			
1	- U4.Candle Body	_	Show Candle Body	<b>~</b>		
	1.Show Candle Body	True	Outline Thickness	4	Cdl:Show Candle Body (In:21)	Yes
	2.Outline Thickness	1	Outline mickness		Cdl:Outline Thickness (In:22)	1
	3 Up Color	🔲 l ime	Up Color	Lime	Callel the Callery (her22)	
	4.0		Down Color	Red.	CaliOp Color (In:23)	- HC 50, G: Zl
	4.Down Color	E Hed	Down Color		Cdl:Down Color (In:24)	R: 255, G: (
	5.Neutral Color	📃 Orar	Neutral Color	Oran	Cdl:Neutral Color (In:25)	R: 255, G: 1
	6.Body Opacity	20	Body Opacity	20	Cdl:Body Opacity (In:26)	20

# Show Candle Body, OutlineThickness (NEW IN 2.5)

Governs the background painting/surrounding rectangle of the candle's Open/Close. (Candlestick representation) Body painting opacity is set by the **<u>Body Opacity</u>** setting.

					0	124				
l		Во	dy		01	172				
			0	12	94	149				
			21	161	192	132			0	3
			136	476	178	109	0	9	12	35
			242	99	125	41	100	79	67	126
			28	75	10	0	47	24	126	103
	0	81	4	55			46	14	31	16
	85	37	71	29			160	88	10	36
	82	115	15	25			154	24	19	108
	87	155	13	4			38	2	125	167
	105	152	6	0			49	166	166	45
	165	189					132	129	70	35

					0	124					
l		Out	line	•	201	172					
			0	12	94	149					
			21	161	192	132			0	3	
			136	476	178	109	0	9	12	35	
			242	99	125	41	100	79	67	126	
			28	75	10	0	47	24	126	103	
	0	81	4	55			46	14	31	16	1
	85	37	71	29			160	88	10	36	-
	82	115	15	25			154	24	19	108	
	87	155	13	4			38	2	125	167	
	105	152	6	0			49	166	166	45	
	165	189		•			132	129	70	35	
										-	

E I.		

05.Cell Fill		Cell Fill			
1.Color Style	VolumeAndDelta	Color Style	None 🗸	<u> </u>	N
2.Maximum Calculation	MaximumOfChart	Maximum Calculation	MaximumOfChart M	Cell:Color Style (In:23)	None
3 Scale Delta Independar	True	Maximum Calculation	Maximumoichan V	Cell:Maximum Calculation (In:24)	MaximumOfChart
A Dum Color	E0. 210. 120	Scale Delta Independ	×	Cdl:Scale Delta Independantly (	Yes
4.DUY COIOI	<u> </u>	Buy Color	#FF32D278 V	Cell:Buy Color (In:26)	R: 50, G: 210, B: 120
5.Sell Color	255; 120; 120	Sell Color	#FFFF7878 V	Cell:Sell Color (In:27)	R: 255, G: 120, B: 120
6.Volume Color	110; 170; 255	Volume Color	#EE6EAAEE V	Cell:Volume Color (In:28)	R: 110, G: 170, B: 255

Sets how the cells are colored.

Color Style : BidVolAskVol, DeltaColorFill, VolumeAndDelta, BidVolAskVolDelta, DeltaOnly (NEW IN 2.3), 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.

DeltaOnly : shows only the delta

#### Maximum Calculation : MaximumOfChart, MaximumOfBar

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

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



#### Scale Data Independently (new in 2.0):

If this option is False, delta and volume are scaled together, ie 10 delta has the same size than 10 volume.

Since the delta is generally small when compared to volume, it can be difficult to see delta correctly? In that case setting the option to *True* will scale the delta on its own, making the delta bars larger.





# CANDLE TOP/BOTTOM DATA(NEW IN 2.0)



The Orderflow offers the possibility to set up to 3 information zones on the top of the price candle, and 3 information zones on the bottom of the candle.



Each one of the zones can be either

- Nothing
- DeltaClose: Delta on the candle close
- DeltaFinish: Delta pullback since the last time it touched its intrabar minimum or maximum
- DeltaMinMax: Min and Max delta that were obtained during the candle's life
- ImbalanceCount: Number of Imbalances of each side on the bar
- ImbalanceVolume: Total imbalance volume on each side
- Volume: Total volume of bar
- BuysSells (new in 2.3): Shows Total buys and Total sells.
- RatioHigh(new in 2.2) : Ratio of the 2 highest buys
- RatioLow(new in 2.2) : Ratio of the 2 lowest sells buys
- TimeSinceLastTouchTop (new in 2.5) : Time in Min:Sec from last touch of the top of bar
- TimeSinceLastTouchBottom (new in 2.5) : Time in Min:Sec from last touch of the bottom of bar
- BarDuration (new in 2.5) : Duration of the bar
- Sweeps (new in 2.5) : Number of 0 fills on the bid or ask side

#### (NEW IN 2.5) Custom Color Formula

Each zone is associated with a custom color formula that can set the Color of the cell depending on its Value

For instance, the default settings shows this for DeltaClose

if(Value<0,Red,if (Value>0,Green,Transparent))

It reads :

```
if the Value is <0,
        then color is Red,
else if Value>0,
        then Color is Green
else (Value=0),
        then use Transparent Color (so we don't show anything)
```

These formulas are useful to unclutter your charts because you can decide to show values only if they have some special meaning, or you can color them using any kind of thresholds.

On zones that plot multiple values (*DeltaMinMax, ImbalanceCount, ImbalanceVolume, BuysSells, Sweeps),* the formula usage is a little different : it must return **true** of **false** which defines the condition for the numbers to be plotted.

For instance, if you wish to plot the *ImbalanceCount* only if the *Buy* imbalance or *Sell* Imbalance is greater than 5, the formula would be

if (Value>5,true,false)

Both Values (Buy and Sell) are tested against the formula, and if one of them is true, the zone is plotted.

#### Examples:

## Show only the Delta if Delta < -100 or Delta > 100





### Show only RatioHigh or RatioLow if Ratio< 1 or Ratio > 10

Formula if (Value<1, Blue, if (Value>10, DarkOrange, Transparent))





If you have a 0 on one of the cells of the Ratio, you will get a 0.00 or 999.00 value

You can filter those out with by extending the formula, for instance :

if(Value=0 or Value=999,Transparent,if(Value<1,Blue,if(Value>10,DarkOrange,Transparent)))

Which means : if Value = 0 or Value =999, use Transparent Color (don't plot) , else if Value<1 use Blue, else if Value >19 use DarkOrange , else (Value between 1 and 10), use Transparent (don't plot)





### Show Imbalance count having Buy or Sell values greater than 5

Formula if (Value>5,true,false)



**Imbalance Count** : the imbalance numbers showing on the side with the most imbalance numbers/volume are shown with a > or < symbol to help visualizing the "winning" side.



## RatiosHigh/RatioLow (New in 2.2)

They can be used to gauge buyer/seller power on edges of the bar



#### TimeSinceLastTouchTop/TimeSinceLastTouchBottom (New in 2.5)

Shows the Time since price last touched the top or bottom of the bar

#### On Sierrachart, this value only appears in real-time



BarDuration (New in 2.5) ; shows total duration of the bar

On Sierrachart, this value only appears in real-time



### Sweeps (New 2.5)

Shows the number of 0 values on the Bid or Ask side

It might be used to show a strength in a move, with no defensive action showing up on the opposite side



#### Use Bold (New in 2.3)

Uses Bold font on the numbers to enhance visibility

#### Font Size (New in 2.5)

Sets the largest size of the Font. It will be reduced if the candles are not large enough

Will be enforced it the chart is on auto-scale mode

#### Show COT

Enables/Disables showing COT numbers (in rectangles above/below candle)



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

hart Settings - CLN6-NYMEX 5 Min #1	×
Main Settings Advanced Settings Advanced Settings 2 Alerts	
<ul> <li>Display Region Dividing Lines</li> <li>Use Left Side Scale</li> <li>Display Main Price Graph Values in Values Windows</li> <li>Settings</li> <li>Draw Non-Highlight Drawings Underneath Main Graph and Studies</li> <li>Draw Highlight Drawings Underneath Main Graph and Studies</li> <li>Draw Horizontal/Vertical Grid Above Graphs</li> </ul>	<ul> <li>Include Columns With No Data</li> <li>Do Not Draw Columns With No Data</li> <li>Include Weekend Columns Before First Trade</li> <li>Include Sat-Sun Bars For Daily Charts</li> </ul>
<ul> <li>Display Day Of Week With Dates On Intraday Chart Time Scale</li> <li>Highlight Timescale Dates, Months and Years</li> <li>Adjust Tool Values to Tick Size Historical Pullback Data: None</li> </ul>	Attach Trade Window to Right Side Align Order Cancel (X) Button to Right Trade Drawings Left Align 100
Continuous Contract: None Split Data Records (Applies to NumberOfTrades, Volume of Reset and Ar Disable Data File Updating Allow Real-Time Updating of Historical Hide Values Scale Hide Time Scale Lock Fill Space Allow Zero Values Number Of Forward Co Apply Intraday Session Times To Intraday Chart 150 Combine Sun-Mon Daily Bars	Coumulate on New High/Low Coumulate on New or Touch High/Low Order Hills Start Date-Intercement for all): Chart 00:00:00 Dolumns: Position Profit/Loss: Points (P)
Time Zone:   Chart Region     Use Global Time Zone   1	n: Chart Update Interval In ▼ Milliseconds (0=Default): 0
OK Cancel Apply Help	

### Show DeltaBar/Show Volume Bar (NEW IN 2.0)

Sets the position (None, Top, Bottom) of the horizontal bar representation of the delta and volume of the bar.



# **HIGHLIGHTED CELLS**

		Highlighted Cells				
		Cell Fill Type	Full 🔻	~		
		Show Unfinished Auc				
07.Highlighted Cells		UA Color	#FFCCAC00	~		
1.Cell Fill Type	Full	Show Nakad I IA			0 0 U C U T 4 400	
2.Show Unfinished Auctions	True	Show Naked OA			Spec:Cell Fill Type (In:42)	Full
3.UA Color	204; 17	Show POC			SpeciShow Untinished Auctions (In:43)	Yes D. 204 C. 172
4.Show Naked UA	False	POC Color	#FFA0A0A0	~	Spec:OA Color (In:44) Spec:Show Naked Unfinished auctions (In:4	- H: 204, G: 172, No
5.Show POC	True	1 00 000		_	Spec:Show POC (In:46)	Yes
6.POC Color	160; 16	Show Naked POC			Spec:Poc Color (In:47)	R: 160, G: 160,
7.Show Naked POC	False	Show Naked History			Spec:Show Naked POCs (In:48)	Yes
8.Show Naked History	False		_		Spec:Show Naked History (In:49)	No
9.Reset Naked Levels on Sea	s False	Reset Naked Levels			Spec:Reset Naked Levels on Session Start	No

#### 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

#### Cell fill Type (NEW IN 2.3)

This setting controls how the cells are painted with the POC/UA information

#### Full : Full Cell Paint



*Outline* : Only the outline of the cell is painted, allowing to see the cell colors underneath



#### What are naked lines

Naked lines are extension of price 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.



			<ul> <li>Imbalance Levels</li> </ul>				
	08 Imbalance Levels		Show Imbalances		Imb	o:Show Imbalances (In:61)	Yes
	01 Show Imbalances	True	Criterion 1 Direction	Diagonal 🗸	Imb	c:Criterion 1 Direction (In:62)	Diagonal
	02 Criterion 1 Direction	Diagonal	Criterion 1 Operator	Ratio 🗸	Imk	p:Criterion 1 Operator (In:63)	Ratio
	03.Criterion 1 Operator	Ratio	Criterion 1 Threshold	3	Imk	c:Criterion 1 Threshold (In:64)	3
	04.Criterion 1 Threshold	3	Criterion 2 Direction	None v	Imk	c:Criterion 2 Direction (In:65)	None
	05.Criterion 2 Direction	None	Criterion 2 Operator	Difference V	Imk	criterion 2 Operator (In:66)	Difference
	06.Criterion 2 Operator	Difference	Criterion 2 Threshold	2	Imt	Criterion 2 Threshold (In:67)	3
	07.Criterion 2 Threshold	3	Winning Olde Minimum Oline		Imh	Winning Side Minimum Size	0
	08.Winning Side Minimum Size	0	winning side winimum size		Imb	straining olde Minimum Size	1
	09.Losing Side Minimum Size	1	Losing Side Minimum Size	1	1 Luck	oleosing Side Marinana Size (i	1
	10.Losing Side Maximum Size	-1	Losing Side Maximum Size	-1	Imr	DiLosing Side Maximum Size	-1
	11.Use Bold	True	Use Bold		Imb	o:Use Bold (In:71)	Yes
	12.Use Larger Fonts	True	Use Larger Fonts	<b>I</b>	Imb	b:Use Larger Fonts (In:72)	Yes
	13.Show Only On Text	False	Show Only On Text		Imb	o:Show Only On Text (In:73)	No
	14.Buy Color	🔜 RoyalBlu	Buy Color	RoyalBlue 🗸	Imk	b:Buy Color (In:74)	R: 65, G: 105,
	15.Sell Color	DarkViole	Sell Color	DarkViolet 🗸	Imk	:Sell Color (In:75)	R: 148, G: 0, I
_						· · ·	

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

### Caution : Massive changes new in 2.2

Imbalances are now defined by 1 or 2 criterions, both of them must be true for an imbalance to be validated.

Each Criterion has 3 parameters Direction, Operation and Threshold

Direction (new in 2.2): Diagonal, Horizontal, None

The direction sets how bid/asks values are compared.

- Horizontal : bid and ask are compared on the same price level
- Diagonal : bid and ask are compared diagonally, on the same auction level
- None: Criterion is not used.





#### 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

#### Threshold :

Value used against the threshold, using the operator, to decide is one side is "winning"

#### Winning Side Minimum Size (new in 2.2):

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

#### Losing Side Minimum Size (new in 2.4):

This settingsforces the losing side to a minimum size, it can be used to avoid imbalances created by 0 size on the losing side in thin markets



#### Losing Side Maximum Size (new in 2.2):

This settings allows to show only imbalances where the losing side is no bigger than a maximum volume. To disable, use -1.

Example with 3:1 horizontal ratio

No Filt	er	 Min Wi = 100	nning )	Max L = 50	osing )
<i>0</i> 110 <b>289</b> 1 14 3 115 206 97 155 <b>58</b>	<b>116</b> 155 64 <b>56</b> <b>188</b> <b>181</b> <b>742</b> 251 146 273 0	<i>0</i> 110 <b>289</b> 1 14 3 115 206 97 155 58	<b>116</b> 155 64 <b>188</b> <b>181</b> <b>742</b> 251 146 273 0	<i>0</i> 110 289 1 14 3 115 206 97 155 <b>58</b>	<b>116</b> 155 64 <b>56</b> <b>188</b> <b>181</b> 742 251 146 273 0

#### Use Bold, Use Larger Fonts

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

Normal view



When this setting is disabled, imbalances are replaced by colored rectangles when the numbers get too small to read



When this setting is enabled, colored rectangles are not shown



# S/R ZONES

		✓ S/R Zones			
		Show S/R Zones	<b>v</b>		
09.S/R Zones		Color the Zone Creating Cells	~	S/R:Show S/R Zones (In:76)	Yes
01.Show S/R Zones	True	Number of consecutive levels	3	S/R:Color the Zone Creating Cells (I	Yes
02.Color the Zone Creating Cells	True	Minimum total volume	0	S/R:Number of consecutive levels (	3
03.Number of consecutive levels	3	Zone valid until when ?	FullCandleCross	S/R:Minimum total volume (In:79)	0
04.Minimum total volume	0	Nb Ticks for SimpleCross	1	S/R:Zone valid until when ? (In:80)	FullCandleCross
05.Zone Valid until when ?	FullCandleCross	Show History	<u>ا</u>	S/R:Nb Ticks for SimpleCross (In:81)	1
06.Nb Ticks for SimpleCross	1	Baset Zones On Session S		S/R:Show History (In:82)	Yes
07.Show History	True	Resistance Zone Color	Ded .	S/R:Reset Zones On Session Start	No
U8.Reset Zones Un Session Star	False	Resistance Zone Color	Red	S/R:Resistance Zone Color (In:84)	R: 255, G: 0, B: 0
U9. Resistance Zone Color	Hed Line	Support Zone Color	Lime	S/R:Support Zone Color (In:85)	R: 0, G: 255, B: 0
10.Support Zone Color		Opacity	100	S/R:Opacity (In:86)	100
12 Sound Alasta	TUU Ealaa	Sound Alerts	×	S/R:Sound Alerts (In:87)	No
13 New Resistance cound	c:\temp\sound\ck	New Resistance sound	c:\temp\sound\closed	S/R:New Resistance sound (In:88)	c:\temp\sound\clo
14 New Support sound	c:\temp\sound\ki	New Support sound	c:\temp\sound\kick-tr	S/R:New Support sound (In:89)	c:\temp\sound\kid
15.Invalidated Besistance sound	c:\temp\sound\clo	Invalidated Resistance sound	c:\temp\sound\closed	S/R:Invalidated Resistance sound (	c:\temp\sound\clo
16.Invalidated Support sound	c:\temp\sound\ki	Invalidated Support sound	c:\temp\sound\kick-tr	S/R:Invalidated Support sound (In:9	c:\temp\sound\kid

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.



Zone valid until when ? (NEW IN 2.0) : FullCandleCross, PocCross, SimpleCross

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

 CLQ6-NYMEX [M] 500 Trades #2 CRUDE OIL FUTURE NYMEX Aug 2016 (Aug16)
2016-02 17:01:22 V: 598 0 DV: 306190 GomOrderFlow X 49.20 000004108077 30 16 43 60 19 9 41 58 6 2 0 0 0 0 0 0 49.18 49.16 8 3 6 26 7 17 13 8 49.14 58 14 19 49.12 49.10 3000000 49.08 34 31 16 28 15 31 12 39 8 28 24 14 49.06 30 57 75 25 4 0 2 1 0 2 1 0 0 0 1 0 0 1 2 0 0 1 2 2 8 194 3 5 0 0 0 0 0 0 0 0 0 0 0 1 2 11 9 11 3 0 0 3 12 2 3 14 52 12 8 9 6 7 49.04 49.02 0 0 2 6 49.00 ls canceled here because POC > high of zone This zone 48.98 48.96 48.94 11 5 20 16 36 48.92 18 11 8 20 54 48.90 13 4 9 20 17 48.88 7 48.86 8 9 6 1 14 9 47 16 23 25 17 11 15 37 17 6 7 48.84 10 8 5 9 17 9 11 31 40 10 11 7 2 4 3 10 13 14 49 13 9 24 12 48.82 11 10 26 25 69 8 10 3 48.80 34 10 12 3 7 4 12 11 8 37 14 14 48.78 13 5 19 23 16 23 22 8 13 10 17 10 10 14 7 10 5 12 9 12 10 10 13 11 6 11 7 14 20 24 7 48.76 10 16 7 35 25 14 35 20 12 5 7 10 12 10 24 22 54 9 43 10 76 12 7 16 8 48.74 8 23 28 35 20 5 15 48.72 28 9 5 15 17 22 31 33 20 48.70 9 17 16 31 28 12 16 12 20 0 16 9 12 23 3 16 20 27 9 12 24 24 7 20 31 48.68 48.66 31 20 29 27 34 34 12 3 0 18 12 34 20 17 30 20 41 30 7 22 5 7 25 20 8 13 9 0 11 10 2 5 34 23 15 48.64 48.62 1 12 48.60 PocCross 48.58 940 wPro1.3-Buys/ 18.56 omOrderFlo AndSe 16:54:50 15:25:24 15:31:09 15:38:07 15:43:38 15:50:13 15:59:36 16:06:16 16:18:51 16:37:24 17:00:14 17:01:22 67 >

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



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

SimpleCross: Hi/Lo of the candle needs to have crossed the S/R zone by a number of ticks defined by the setting Nb Ticks for SimpleCross

24	CL 12	2-17 (	5 Min)	) 07/	11/20	17														L	—		×
1	CL 12-17 + 5 Min +   🏢 + 🥢 + 🔊   🔍 + 🗩   📲 🌆 🖾 📧 🔳																						
Gor	n.Orde	rFlow	Pro(CL	12-17	(5 Min)	))																ы	-57.44
										Nb	Tic	ks fe	or Si	mp	leCr	oss	=3						-57,42
																							-57,40
								Zo	ne r	ot o	and	elle	d •		0	31							-57,38
															44	178							
	0	10	0	16											150 150	74 236							-57,36
	33	109	59	135											167	248							-57,34
	129	394	70	141											248	372							67.00
	154	126	331	312							D	220	D	421	440	687							T <sup>57,32</sup>
	128	76	155	108	D	145	D	1			315	664	239	329	577	384							-57,30
	39	0	191 313	332 67	279 79	100 213	78	127	D	9	732 198	271 236	196 188	403 134	279 176	449 242	0 97	7 221	0 27	29 115			-57.28
			197	31	404	365	23	281	21	245	230	634	183	84	389	548	364	236	82	55	D	42	01,20
			113	32	420	223	252	126	176	34	244	261	111	246	303	197	560	723	291	133	185	424	-57,26
			108	124	358	30D 199	238 192	50	40	144	2	112	409	34	139	207	372 814	331	387	309	139	97 136	-57.24
			126	0	173	62	133	26	161	173	14	D	123	40	66	D	576	261	244	216	149	508	57,23
					173 530	638 247	175	7	190 4	23			323	0			332 201	200	409	812 1.661	595 242	493 130	-57,22
					420	115	•		•	-								-	1 162	95	137	99	-57,20
					126	0													28	D	95	0	
																							-57,18
																							-57,16
																							-57 14
1-G	omOre 017 Nir	derFlov niaTra	wPro1. der. LL/	.4-UpD C	ownTi	ck-Buy	sAndS	Sells-M	laximun	nOfCh	art												
	14:	;30	14	í :35	14	:40	14	45	14	:50	14	:55	15	:00	15	05	15	:10	15	1 15	15	20	-
<										11													3
-																							



**Show History** Shows historical cancelled zones for analysis purposes.







Resistance Zone Color, Support Zone Color(NEW IN 2.0) : Color of the Resistance/Support zones.

#### Color the Zone Creating Cells(NEW IN 2.0) :

When true, all the cells creating the zone in the candle are colored with the R/S color. This allows to spot them more easily in real-time when they building up.





### **Opacity** :

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

### Sound Alerts (NEW IN 1.4):

If true, a sound will be played whenever a new support or resistance zone is created or if a resistance or support zone is invalidated (ie. deleted)

### New Resistance/New Support sound (NEW IN 1.4):

Defines the sounds to be played if "Sound Alerts" is true and a new Resistance or Support zone is created

The files defined in the settings must be present on the file system.

#### Invalidated Resistance/ Invalidated Support sound (NEW IN 2.5):

Defines the sounds to be played if "Sound Alerts" is true and a Resistance or Support zone is invalidated.

The files defined in the settings must be present on the file system.

# **REVERSALS (NEW IN 1.4)**

		Reversals			
		Color Declining Zone			
		Show Reversal Arrows		Rev:Color Declining Zone (In:74)	Yes
10.Reversals		Minimum Number of	3	Rev:Show Reversal Arrows (In:75)	Yes
01.Color Declining Zone	False	Allow Imb. on Declini		Rev:Minimum Number of Declining Le	3
02.Show Reversal Arrows	False	Min, size of Opposite i		Rev:Allow Imb. on Declining Side (In:	No
03.Minimum Number of Declining L	3	Min. Size of opposite I		Bey/Min_size of Opposite imb(In:78)	1
04.Allow Imb. on Declining Side	False	Position of POC	InDecliningSideHalf V	DeurDesition of DOC (In:70)	In Dealining Side Half Of Par
05.Min. size of Opposite imb.	1	Force Decl. Vol. < Opp		Rev.Position of POC (in.73)	IndecliningSidemailOldar
06.Position of POC	InDecliningSideHalfOfBar			Rev:Force Decl. Vol. < Opp.Vol. (In:80)	Yes
07.Force Decl. Vol. < Opp.Vol.	True	Up Color	Cyan V	Rev:Up Color (In:81)	R: 0, G: 255, B: 255
08.Up Color	📃 Cyan	Down Color	Magenta 🗸	Rev:Down Color (In:82)	R: 255, G: 0, B: 255
09.Down Color	Magenta	Sound Alerts		Pov Sound Alarta (In:83)	No
10.Sound Alerts	False	Lin sound	c:\temp\sound\kick-trimme	Rev.sound Aleris (in.os)	110
11.Up sound	c:\temp\sound\kick-trimm		c. tempisoundikiek-timme	Rev:Up sound (In:84)	c:\temp\sound\kick-trimmed
12.Down sound	c:\temp\sound\closed-hat	Down sound	c:\temp\sound\closed-hat-	Rev:Down sound (In:85)	c:\temp\sound\closed-hat-tri



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

#### **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 shrinked 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,InDeclinigSideThirdOfBar



#### 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

# PULLBACK COLUMN (NEW IN 2.5)

		<ul> <li>Pullback Column</li> </ul>		
12.0 0111 000110	o. nomb 100.	Show Pullback column		rionada (m. 1997) - original (m. 1997)
3 11.Pullback		Show Fullback column		Pullb:Show Pullback Column ( No
1.Show Pullback Column	False	Pullback column offset in pixels	20	Dulla:Column Offect (in give le)
2.Pullback Column Offset (in pix	20	Show Ton/Bottom data		Pulib:Column Offset (in pixels) 20
3 Show Ton/Bottom data	False	Show rop/Bolloni dala		Pullb:Show Top/Bottom data ( No
4 Show POC Price	False	Show POC Price		Pullb:Show POC Price (In:107) No
E Chamleshalanaaa	Tuise	Show Imbalances		
5.5 how Imbalances	True			Pullb:Show Imbalances (In:108)   Yes
6.Color Last Tick	True	Color Last Tick		Pullb:Color Last Tick (In:109) Yes
7.Show Current Bid/Ask	False	Show Current Bid/Ask		Dullb:Chour Current Biol/Ack. / No
1011-14		onon our on branon		Pulip:Snow Current Did/ASK_[I   NO

The Pullback colum is a column that is added on the right of the chart and that <u>only plots real-time</u> (or in Market Replay).

This bar is reset when the current candles makes a new high or a new low, so it contains all the bid/ask info since the last market new high or new low. Therefore, it can be used to analyze how the market reacted to this new high or new low.



#### Making some room to hold the column

You will need to make some room on the right of the chart to be able to plot the pullback column

#### Ninjatrader 8

Right Click the Chart / Properties and set the right side margin to an appropriate value (100?)

▼ General	
Allow the selection or drag/dr	
Equidistant bar spacing	
<ul> <li>Font</li> </ul>	Arial, 11px
Right side margin	100
Chart trader	Off V

### Ninjatrader 7

Right Click the Chart / Properties and set the right side margin to an appropriate value (100?)

	-	
Ξ	Window	
	Allow the selection or drag/drop of chart series	True
	Color for background	White
	Color for cross hair label	Black
	Display update interval (sec)	0,5
	Global cross hair time axis scrolling	True
ŧ	Label font	Arial; 8pt
	Right side margin	100
	Show chart trader	False

#### SierraChart

Set your chart so that there is some room after the last candle on the right, then in the Chart menu, select "Lock Fill Space"

🍚 Sie	erra Cha	rt 2335 Chartbook12 SC Dat	a - All Services	2022-01-12 19:35:59 Wed [Sim] DF:21	198 ST:1, 1 - [	[YMH22-CBOT[M] 5 —	
🔝 File	e Edit	Chart Analysis Tools Spre	adsheet Trade	Global Settings Window CB CW He	elp		_ 8 ×
Find Symb	<u>2022-0</u> 1	Chart Settings Graph Draw Types	F5	Bar Periods Quickly Changing Bar Period	•		-36250
Open Cbook		Graphics Settings - Chart	Ctrl-G	Perform Futures Symbol Rollover Update Chart Drawings To Current Symbol	I		-36245 -36240
Save Cbook		Horizontal Grid		Show Rollover Dates			-36235 -36230
Close Cbook		Logarithmic Scale Show Bid and Ask Lines	Alt-Shirt-V	Duplicate Chart Duplicate Chart To Chartbook Duplicate All Charts To Chartbook			·36225 ·36220
Srv Set		Bid Ask Average Line Add Symbol Alert	-	Detach/Attach Chart Window	Ctrl-Alt-D		-36215 -36210
Con		Open Time and Sales Window Open Market Depth Window		Scale Interactive Scaling Mode Reset Bar Size/Spacing/Scale	+		-36205 -36200
→][+	2 65	Replay Chart Reload and Recalculate	► Insert	Reset Child Windows Reset TPO Chart			-36195 -36190
+[]+	-	Recalculate	Ctrl-Insert	Hide Chart Drawings Hide Chart Drawings From Other Charts		2	-36185
Chart Set		<ul> <li>Only Symbols in Watch List Associated Watch List Next File</li> </ul>	+	Goto Date-Time Page Scroll Left	Ctrl-Alt-G	7	-36180 -36175
Chart Stdy		Previous File Start Scan	-	Page Scroll Right Bar Spacing	•		-36165
Ptr	62 1-GomC	Stop Scan Enable Continuous Scanning		Decrease Bar Width Increase Bar Width Gete Beginning of Chart	Home		-36155
د ب	2022- <	Linking ✔ Show Title Bar ▲ Show Scrollbar	•	Goto End of Chart Scroll All Charts To End	End Ctrl-End	25 19:30 19:35	67 E >

#### Pullback Column Offset in Pixels

Sets the distance between the Pullback column and the last column. By default it's larger than the normal spacing in order to avoid confusion with a "real" column

#### Show Top/Bottom Data, POC Price, Imbalances, Last Tick, Current Bid/Ask

These settings allow the user to choose which data from the main candles is also used on the Pullback column



## HOTKEYS

		HotKeys			
11.HotKeys		Focused Indicator ToggI	Space		
1.Focused Indicator Toggle K	Space	Focused Indicator ToggI	Ctrl		
2.Focused Indicator Toggle M	Ctrl	Text Mode Toggle Key	Divide	HK:Focused Indicator Toggle Ke	Space
3.Text Mode Toggle Key	Divide	Text Mode Toggle Modifi	Ctrl	HK:Focused Indicator Toggle Mo	Ctrl
4.Text Mode Toggle Mod	None	Color Modo Togglo Kov	Add	HK:Text Mode Toggle Key (In:92)	Divide
5.Color Mode Toggle Key	Add	Color Mode Toggle Key	Add	HK:Text Mode Toggle Modifiers	None
6.Color Mode Toggle Mod	None	Color Mode Toggle Modi	Ctrl	HK:Color Mode Toggle Key (In:94)	Add
7.AutoScale Toggle Key	Multiply	AutoScale Toggle Key	Multiply	HK:Color Mode Toggle Modifiers	None
8 AutoScale Toggle Modifiers	None	AutoScale Toggle Modifi	Ctrl	HK:AutoScale Toggle Key (In:96)	Multiply
el lacocalo reggio medilore	Autoscale roggie modili.		Our	HK:AutoScale Toggle 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 GomMPPro where you can put multiple GomMPPros on one chart)