 PVSRA V2.4 BLACK.png

PVSRA V2.4 Introduction, Download & User Notes

Traderathome

Site Founder & Administrator

Posts: [1845](#)

Joined: Fri Oct 21, 2016 8:04 am

Location: USA



Founder 

PVSRA V2.4 Introduction, Download & User Notes

PVSRA v2.4 Introduction & Download

At the bottom of this post you will find the latest available zip file containing our template and supporting indicators. Download the zip file. Extract it to yield two file folders: one for templates and one for indicators. Paste the templates into the MT4/templates folder. Paste the indicators into the MT4/MQL4/Indicators folder. Be sure the indicators go into the MQL4/Indicators folder. Access this folder from the opened MT4 platform by clicking on File/Open Data Folder/MQL4/Indicators. If your operating system is Windows 7 or 8 and you have difficulty with the indicators/templates, right click on MT4 icon -> properties -> compatibility win xp sp3. Restart your MT4 application.

Warning! Do Your Homework!

For information on the use of indicator basic features, definitions and changes from previous versions, read the User Notes for each indicator provided in a series of posts below. A very brief summary of our indicators follows herein, but this does not absolve you of the responsibility to study the User Notes to better familiarize yourself with each indicator! That is part of the Homework you are expected to do here.

1) **Trade Levels** - This indicator replaces the need to display the MT4 build-in trade level lines, which clutter the chart and cannot be customized. Click "Tools" in the MT4 banner, select "Options" and then "Charts" and uncheck "Show trade levels". Our indicator displays trade entry points and levels, the level for the average of all EPs (permits variable sizes), and the levels of your TP and SL. Lines are color coded, include labels (including a Profit/Loss label), and make for a cleaner chart while providing much better information to help you manage your trade.

2) **Access Panel** - This indicator gives you access to a number of charting features, including a Clock, special Bid and Ask lines, the display of Levels, "Natural" Fibos, time zone adjustable Pivots, Range H/L marks for the day and week, special vertical day Separators and vLines that mark the start-end of important markets during the day. Take note that some of the features mentioned here you will find turned "Off" on the provided templates. Use the External Inputs to turn them "On". This indicator has many External Inputs for customizing. Daylight Savings Time considerations are fully automatic. A proper chart display is not dependent on live data feed. However, this indicator has a critical setup procedure users must follow before using, so read the supplied User Notes post.

3) **News Panel** - This indicator lists up to seven scheduled events. Right click anywhere on display to cycle thru the Low, Medium, High impact events."

4) **Trends Set** - This indicator provides 2 ways you can display the "Dragon": solid colored configuration or as 3 lines. It also draws two additional line trends, also adjustable for period and type..

5) **Candles Set** - This indicator draws price bars and candlesticks highlighted for PVA (Price-Volume Analysis).

6) **Volumes Set** - This indicator draws a PVA (Price-Volume Analysis) volumes histogram or a standard volumes histogram in the first chart sub-window. An alert option signals when a "Climax" PVA situation exists. It also has settings for desired volume window height on your downsized charts.

7) **Symbolss Set** - This indicator at the bottom of the chart displays buttons for the selected set of Market Watch symbols. Four Symbol Sets are provided. Each can be repurposed/personalized. The buttons show by colors: (1) if a pending order is placed (yellow button border) and (2) if executed orders are in profit or loss (green or red button body). When changing the content of Market Watch symbols within any of the four provided Symbols Sets, you must be very careful to enter new symbols EXACTLY as they are displayed in the mt4 Market Watch list!

Acknowledgements

I wish to express my sincere appreciation of the following individuals whose efforts make our indicators the superlative indicators that they are. We owe a debt of gratitude to them for their work:

"caveman" - for his generous contribution to TzPivots coding back in "the early days", and which has been carried forward since.

"pips4life" - for his excellent Clock which is the basis for our Clock, and for controlling our market vLines and TzPivots thru Daylight Savings Time shifts, and his help to speed code processing.

"qFish" - for substantial and critical code in our Trade Levels indicator, Chart Scale code in our Trend/Candles/Volumes indicators and work on the News Panel.

"deVries" - for recoding the handling of files in our News Panel indicator so it would run properly on MT4 Build 600+.

"atstrader" - for a feature added to the News Panel indicator, and for a modification of the file handling code.

and....

"mja" - for coding News Panel indicator to resolve issues of mt4 charts lockup due to sponsor changing ulr, and providing the "click on chart" feature to cycle thru events.

The PVSRA Template

Many templates can be created by changing the External Inputs of the indicators and re-saving with different names. This is the recommended way to customize for yourself. Do not try to customize from any template but the template provided. You can run into serious problems you are not aware of due to the complexities involved in how the order of our indicators affect the proper displays of the others, and in how certain MT4 chart properties must be set!

Download the Zip File and Read the following posts in this Topic consisting of the User Notes for each of our indicators!

The PVSRA v2.4 zip file appended to this post is dated November 12, 2023 and replaces all previous "v2" versions!

Please update! And please check this post occasionally to be sure you remain up-to-date!

The template and indicators work for all brokers, all time zones, and all DST shifts.
Read all of the User Notes appended below and thank you for doing so instead of asking questions!
Remember also, complete the critical setup procedure for the Access Panel vLines, per the "Preface" in the User Notes Instructions!

Sincerely....**PVSRA**, Discipline, Patience and Profits,

☺ Traderathome, 11-12-2023

Traderathome

Site Founder & Administrator

Posts: 1845

Joined: Fri Oct 21, 2016 8:04 am

Location: USA



Re: PVSRA V2.4 Introduction, Download & User Notes

by **Traderathome** » Fri Dec 15, 2023 1:02 am

PVSRA v2.4 Trade Levels User Notes:

This indicator is coded to run on MT4 Build 600+. It shows Trade Levels lines and labels for trade entries (EP), for the average of entries (AV), and for selected take profit (TP) and stop loss (SL), and it displays Profit/Loss labels for open and closed trades. Everything is based on MT4 orders executed.

Displaying EP Levels -

You can select to show EP Levels lines and labels. The EP Levels lines can be full lines spanning the chart to just past the current candle, or short mini-line "tabs" just after the current candle. EP Levels labels include the EP number, price and size (quantity of units of the lot type you input). The size is highlighted with different colors for long and short positions. Note: if "No Hedging" is applied, the indicator will not process an EP for a trade that is opposite to the side of the 1st EP of the trade.

Displaying Price Dots and Lines -

For open and closed trades you can show lines connecting the EPs to the current appropriate bid/ask price or closed price, color coded to represent if the trade is in profit or loss. You can show for each EP a Dot color coded to represent if the trade is long or short. EP Dot coloring enables you to easily see which are closed EPs and which are open EPs. Five progressively larger dot sizes are intended for chart scales (0-5), but any dot size can be used on any of the chart scales.

Displaying the AV Level -

For open trades an AV Level line and label can be displayed. The AV Level line can be a full line or a "tab" line. The AV Level label shows the average price of all open EPs, the number of open EPs and the total trade size (quantity of open units of the lot type input).

Displaying TP and SL Lines -

For open trades TP/SL Level lines/labels can be displayed. You can show the TP/SL lines as full lines or as "tab" lines. The values are those of the first MT4 order found, by date. Give all orders the same TP/SL values,....leave none excluded and none different!

Displaying Open Trade PL Label -

The open trades PL Label is displayed in the lower right corner of the main chart window. It numbers the discrete EPs open, the total of open units of the lot type input, the average pips PL for each of the open units, and the total pips PL for the trade. You can also include the PL Money Total and PL Account Percent. The PL Label text changes colors between green and red for profit/loss in pips as well as in money. You can have green text for the pips profit, but still have red text for loss of money/account value due to charges for commissions and swaps. The label background is green or red based on monies PL.

The content of other labels for an open trade follows the content selected to show in the PL label. If "Units" is not selected to show in the PL label then EP labels will not show Unit sizes, the AV Line label will not show the number of Units and the SL/TP labels will not show total pips.

Be advised the MT4 Trade ledger individual line "profit" ignores the commissions and swaps shown on the line! Only the summation profit shown at the bottom of the ledger includes the commissions and swaps, totaled for all the line items!

Show either gross or net profit by setting the input "Include_Commissions_Swaps" to "false" or "true" respectively. The default setting is "true", to show net profit.

Displaying a Closed Trade -

The closed trade PL Label displays numbers of EPs closed, the total number of closed units of the lot type input, the average pips PL for each closed unit, and the total pips PL for the trade. You can also include PL Money Total and PL Account Percent, with or without adjusting for commissions/swaps. You can select to show just the number of EPs closed and the average pips P/L for each of the undisclosed number of units involved. Note: If "FIFO" is applied, the indicator will not process the close of an EP of a trade unless it is the earliest EP of the trade.

PL Labels appear above or below the last close price of a trade unit in the trade group based on whether the unit was closed below or above its' entry price. You can raise or lower the PL label using the external inputs provided for setting pips offset. These inputs allow adjustment of PL labels for up to five separate trade groups. The sequence 1-2-3-4-5 starts with the oldest trade group. If you attempt to show more than five groups the oldest five have their labels adjusted as stated, and all the more recent ones will have the same label height as the first/oldest group. It is better to limit the display of closed trade groups to five, and it is best to show only one group at a time.

Whether you intend to show all closed trades as a single group with one PL label, or as multiple groups with labels, you must specify the number of minutes backwards from current time within which all closed trades will display. There are two way to do this:

1. The simple way is to input the number of minutes to "Lookback_Time_Span_Minutes", which by default is already set for one hour, an input of "60" minutes. After one hour the display of a closed trade will disappear from your chart. To continue to display it, simply increase this input, say from "60" to "600", to continue the display for a total of ten hours from the time the trade closed. Or, you can do more conveniently by changing "Lookback_Multiple_Factor" from "1" to "10". The start/end inputs must be in their default state (yyyy.mm.dd hh:mm) for the simple method to work. You can copy and paste the "yyyy.mm.dd hh:mm" (provided in the External Inputs) to these start/end inputs to return them to their default state.
2. The exacting method is to set the year/month/day/hour/minutes for the start or end, or both the start and end of the period for which you want closed trades to display. This method takes precedence over any value entered for the "Simple_Lookback_Time_Span". All the trades closed within the set time span will be displayed. As mentioned already, you can display them either of two ways, as a single group or as multiple groups:

1. To show trades as one group with one PL label set "Show_Separate_Trade_Groups" to "false" (it is "false" by default).
2. To show trades separately grouped with each group having its own PL label, then set "Show_Separate_Trade_Groups" to "true". Now you must also define how to separate the individual groups using the input "__Min_Minutes_Btwn_Groups". You do this is by specifying a minimum time span between the last closed trade of one group and the first closed trade of the next following group. For all the groups to be shown, the time span to use is the one between the two groups with the shortest time between those last/first close events. Specify the time in minutes slightly less than that minimum time span.

Selecting the Unit Type Input -

The External Inputs start with "Show_Micro_Mini_Full_123" to input the unit type number that will determine how the units traded and the pips involved are displayed:

1. Select "1": Displays are in terms of micro-lots and micro-lot pips (\$0.10 MOL).
2. Select "2": Displays are in terms of mini-lots and mini-lot pips (\$1.00 MOL).
3. Select "3": Displays are in terms of full lots and full lot pips (\$10.00 MOL). The number of pips that will be displayed is based on the type unit selected to show. For example, if you input "3" for standard lots, but make an entry of a half lot (5 mini-lots), and price moves in your favor 10 pips, then your gain is 5 standard lot pips, not 10. As another example, if you input "1" for micro-lots but make a entry of one mini-lot (equivalent to 10 micro-lots), and price moves 10 pips in your favor, then your gain is 100 micro-lot pips, not 10.

Protecting your privacy is another feature of the unit type input. For example, suppose there are three traders:

1. This trader has a single micro-lot trade, selecting unit type "1" (\$0.10 pips MOL).
2. This trader has a single mini-lot trade, selecting unit type "2" (\$1.00 pips MOL).
3. This trader has a single full lot trade, selecting unit type "3" (\$10 pips MOL).

The three charts will display identical data, all being based on "1" unit traded. The three charts reveal nothing that identifies the actual unit type as being based on micro, mini or full lots traded. The only way a viewer might guess at the unit type is for the user to select to display money in the PL labels.

Setting Time Frames for Display of Indicator -

The indicator can be turned on/off without removing it from the chart. Also, you can select a chart TF above which this indicator will automatically not display.

Chart Properties Settings -

For this indicator to properly display Chart properties/Common tab/chart on foreground must be uncheck! If checked, then MT4 candles are on top of, and can partially or totally obscure the Price Dots and other things drawn by this indicator.

☺ Traderathome, 11-12-2023

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Re: PVSRA V2.4 Introduction, Download & User Notes

by Traderathome » Fri Dec 15, 2023 2:07 am

PVSRA v2.4 Access Panel User Notes

This indicator is coded to run on MT4 Build 600+. It provides improved charting features and displays, which are listed below. It is imperative to "set up" this indicator as described in the "Preface" immediately below. Complete this "set up" before using this indicator! Also, be sure MT4 is set to not show OHLC prices. In Tools/Options/Charts "Show OHLC" should be unchecked. The PVSRA template is already set this way by default.

The "Preface" Input -

Broker time is required by the code that features PivotsTz and vLines. When data feed is live the broker time is available. When data feed is not live it is not available. The purpose of this "Preface" section is to find and input the Clock location that has the same time as the broker server. Then, even without live data feed we will still have the equivalent of the broker server time to work with, generated by the Clock, and the PivotsTz and vLines will always display properly. Perform the following steps.

When there is live data feed use the Clock to find the Clock time zone location matching the broker server time. Change "Clock_vs_Find_Server_on_Live_Feed" to "false". The Clock will display "B" (for broker server) at the time zone location matching the broker server time. You can populate the Clock with all labels to find "B" (see Clock instructions below).

Chances are the labels needed are already displayed. If "B" shows in the "GMT" label during the non-DST time of the year (winter in northern hemisphere) things are not so clear because London time is also GMT then. We can not tell from the Clock if the broker server is on GMT all year, or on London time all year. Call your broker to find out.

You now have the Clock Proxy Server TZ location, either from the Clock or your broker. Type this location name, exactly as it appears in the Clock, into the Preface input called "Clock_Proxy_Server_Tz_Location". Now change "Clock_vs_Find_Server_on_Live_Feed" back to "true" for normal operation. You have successfully completed the steps to assure the correct and 24/7 display of PivotsTz and market vLines. This indicator adjusts for DST changeovers when they occur twice yearly, which happens at different times at different places. This is fully automated. No adjustments for DST are required by the user.

The default "Clock_Proxy_Server_Tz_Location" is "Helsinki" because it is the most popular time zone used for broker servers. If this is not the time zone your broker server uses, then PivotsTz and vLines will display incorrectly. So, be sure you follow the steps above to confirm this default selection is correct, and if not then to find and input the correct Clock Proxy Server TZ location. Without an input this indicator will not function. Be sure that "Clock_vs_Find_Server_on_Live_Feed" is "false" only when searching for the Clock Proxy Server TZ location. It must be "true" for normal indicator operation.

Remember, if a change from the default setting was required, re-save your template so when you call that template to a chart in the future, it will be the corrected one!

Preview of the Displayed Access Panel and Other Indicator Features-

This indicator places an Access Panel in the upper left corner of the chart, consisting of a Market Panel and a Clock Panel. For proper display chart/Properties/Common/Show OHLC should be unchecked, which has been done already in the PVSRA template.

1. The Market Panel:

The Market Panel can be turned on/off. When it is turned on it displays the items listed below, and you can also show the Clock Panel when the Market Panel is on:

- (1) Symbol & Period: The symbol for the currency pair and the chart TF.
- (2) Price: The bid price of either currency or non-currency items. For currencies, the last (fractional) digit can be set to appear smaller than the other digits. The price changes color when the last full size digit reverses.
- (3) Candle: States if trading is open or closed; if open, the time remaining for the chart current TF bar.
- (4) Range: The average day range, and the range achieved.
- (5) Swaps: The long and the short swap rates.
- (6) Spread: The difference (cost to trade) between the Ask and the Bid price.
- (7) The PVSRA Logo.

2. The Clock Panel:

When the Market Panel is on the Clock Panel can be turned on/off. It displays time and location for seven different time zones that can be selected out of a list of time zones available. It is also used during a time of live feed to determine the difference between the broker server time and GMT, which is an input that must be entered manually in the "Preface" section of the External Inputs. If a time zone displayed happens to coincide with the broker server time, your local time, GMT, or the time zone selected for the calculation of pivots (if pivots are displayed), an extension to the label will include the designations: "B", "L", "G" and "P" so you do not have to waste lines to also separately display the Broker, Local and GMT time zones.

In addition to the two panel sections, this multi-function indicator provides the following services, which are listed here, and more fully described below:

1. A special Ask line and a special Bid line.
2. A background of level lines dividing the distance between whole numbers into quarters.
3. Natural Fibonacci numbers applied to the previous day range as well as above and below.
4. Daily or Fibonacci pivots, including mid-pivot lines.
5. Average Range H/L lines for the week and the day.
6. Day Separators.
7. Vertical lines at the open of the Hong Kong, Frankfurt, London and New York forex markets, and at the close of the London market.

1. Special Ask and Bid Lines -

You can select to place your own Ask and Bid Ray lines on the chart, which you can vary in thickness and color. The lines end just beyond the current candle. The Bid line terminates with a Bid Dot that can be sized and that changes color (example: green/red) as the bid price changes (up/dn). To display only your own Ask/Bid Ray lines, right click on the chart and select Chart Properties/Colors. Make sure the Grid color = "None", otherwise the MT4 bid line is going to be beneath your own, and will be visible from the end of your line to the chart edge. This is already done in the PVSRA template. The special Ask and Bid lines can be subordinated to appear below other chart artifacts, such as the candles and the PVSRA Solid Trend. You can set the Ask line to not show above a chosen chart TF. By default, the Ask line is set to not show above the M15 TF. See the External Inputs for other options.

2. Background Level Lines -

This indicator places level lines on the chart at key price intervals between whole numbers (00, 25, 50, 75 and 00 again). The number of "sets" of these Whole, Half, and Quarter lines is fixed by hard code for each TF chart.

1. Features:

The lines can individually be of any available color, style and width. With Levels "On", the half and quarter levels can be turned On/Off individually. The whole, half and quarter levels also have separate "Max_TF" settings, which you can set so the less significant Levels automatically cease to be displayed as you go up in chart TF.

2. Spacing:

Spacing between the Levels is 25 pips. For some currency pairs and other traded instruments this might place the Levels too far apart or too close together. Adjust spacing using the external inputs embedded within the External Inputs Notes 1_0 thru 1_11 that describe how to Adjust Levels Spacing. Or use "__Chart_Item_Levels_Spacing" which by default is "0" and is located at the bottom of these external notes/inputs. Remember, once the default space setting of "0" is changed, the Levels lines might no longer represent whole, half, and quarter Levels! With the variety of instruments available to trade, and the way the market designates pricing, there is no simple code that will yield better results automatically.

3. Natural Fibos -

Fibonacci numbers are applied to the internal range of the previous day, as well as beyond, both above and below that range. The "yHI" and "yLO" lines are displayed from the start of the previous day session. The other lines are displayed for just the current day session. An option called "__Use_Tz_Filter" (default is "false") diverts calculations to the time zone shift coding in this indicator to find the correct start of the previous session following partial days and holidays, which is the only time this option might be needed.

A. These key fibonacci levels are applied to the internal range:

yLO, 23.6, 38.2, 50.0, 61.8, 76.4 and yHI.

B. These levels are applied beyond this range, both above and below:

23.6, 38.2, 50.0, 61.8, 76.4, 100.0, 161.8, 261.8, 423.6 and 638.2.

4. Pivots -

Separate controls exist for showing the main PVT, the SR pivot levels and the MID pivot levels. Up to five levels instead of the customary three can be shown. You can use the Day or Fibonacci pivots formula. And you can select which TF chart to be the highest for showing pivots. The main pivot (PVT) can be constructed using two lines. The bottom line can be wider with a highlighting color and the top line can be narrower with a different color.

You can display broker server pivots, or pivots based on a different time zone (PivotsTz). New coding fully automates the complexities of PivotsTz, such as timing the hour shift for DST twice yearly, depending on when your broker server does that. Your choice to use PivotsTz requires only three simple inputs.....

A. Set "__Use_PivotsTz" to "true". If "false", broker server pivots are displayed.

B. Set "___Use_Preferred_Offset" to "true" for pivots based on the Frankfurt time zone. If set to "false" the next input for "___Alternative_GMT_Offset" will be used.

C. The "___Alternative_GMT_Offset" is your alternative choice of time zone location relative to GMT in +/- hours (examples: for GMT use "0", for one time zone east of GMT use "1", and for four time zones west of GMT use "-4"). When Pivots are displayed, "P" will show in the appropriate Clock label matching the time zone the pivots are based on. For PivotsTz, when the next PivotsTz day occurs during the broker server day, the PivotsTz lines will suddenly change. PivotsTz will display either "^", "<", or ">" in the pivot labels. By default, PivotsTz are set to the Frankfurt time zone and will display "^" in the labels. If you select a PivotsTz time zone less than the default "<" appears in the labels. If you select a PivotsTz time zone greater than the default ">" appears in the labels. Broker pivot labels display nothing extra.

5. Range High/Low Lines for the Day and Week -

You can display two horizontal lines, one for the computed range high target, and one for the computed range low target. The range is based on the averaging period you select (defaults: day=15, week=13). The special range averaging process for the Day range lines skips any brief Sunday sessions of some brokers, which would drag the average down. The Week range lines use the standard ATR formula since brief Sunday sessions do not much affect the results. Range lines can be static (positioned at the ATR distance from the Day or Week Open price) or floating (~), described below:

A. Two conditions determine where floating (~) range lines appear....

1. Condition #1 - the Day/Week range has not exceeded the computed average range.

* The RDH/RWH line is the computed average range distance above the session Low.

* The RDL/RWL line is the computed average range distance below the session high.

* The lines will move as new highs/lows are achieved during the session.

* This display shows how far price can move in either direction before exceeding the computed average range.

2. Condition #2 - the Day/Week range has exceeded the computed average range.

* If price swings during the day/week TF cause the difference between the high and the low to equal the computed range, the range lines lock into place.

* This display will clearly show any subsequent breakout of the range.

B. The purpose of the range lines is to provide a perspective on how far PA might move during the trading day or week. This can be of some guidance in selecting where to exit a trade. A swing trader might pay more attention to the RWH/RWL lines, and hold a trade into oncoming days. However, a day trader looking for quick profits and limited exposure to market price swings might pay more attention to the RDH/RDL lines.

6. Day Separators -

You can apply day separators to your chart with this option. It lets you select color and line styles. You can elect to show separators just for today and/or for any number of previous days.

7. Vertical Time Lines -

Current and prior session vertical time lines can be displayed for the Hong Kong Open (H), Frankfurt Open (F), London Open (Lo), New York Open (NY), and London Close (Lc). Coding determines throughout the year the proper location for these "vLines", taking into account DST shifts implemented at these locations and on the broker's server.

8. Additional Remarks Regarding Horizontal Lines -

The horizontal lines and labels group consists of Levels, Fibos, Pivots and Ranges.

* Levels are fullscreen wide with labels mid-chart.

* Fibos, Pivots and Day/Week Range lines are session wide with labels at the start of the current session until that moves off-chart. Then labels are positioned mid-chart.

* When the chart is switched to the H4 TF or higher, horizontal lines other than Levels will display as just short lines starting at the bar beginning the current day.

* Horizontal lines/labels (excluding Levels) have a "subordination" true/false control to appear beneath (true) or above (false) other charting. The default setting "60" specifies for charts H1 down to M1 that horizontal lines will be below if their individual subordination setting is "true", and will be above on chart TFs above H1. Obviously, a "0" setting turns subordination off for all TF charts, allowing all horizontal lines to be above. The default setting allows selected horizontal lines to be above the Solid Trend on high TF charts and below on lower TF charts.

* Broker servers at GMT, GMT+1, GMT+2 show a short "Sunday" trading day consisting of 3,2,1 hours respectively. These hours are the final hours of the preceding Friday trading day. During this brief Sunday session horizontal lines appear as they were were on Friday, and will suddenly be repositioned once the Monday session begins.

☺ Traderathome, 11-12-2023

Traderathome

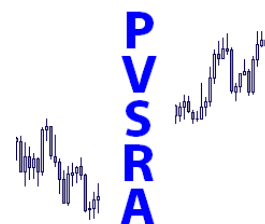
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Founder

Re: PVSRA V2.4 Introduction, Download & User Notes

by **Traderathome** » Fri Dec 15, 2023 2:29 am

PVSRA v2.3 News Panel User Notes

This indicator is coded to run on MT4 Build 600+. It places an Events Panel on the chart that displays up to nine releases/events. Details are provided below.

Panel Location and Behavior -

The Panel resides in the PVA Volume histogram sub-window. It can be on the left or right side, can be set to automatically shift from right to left when the chart is downsized and can be set to not appear on downsized charts.

Text font is selectable. Within limitations, font size and line spacing are adjustable. Panel text offset from the bottom of the sub-window is adjustable. Panel background extension above the Panel title is adjustable. Panel width automatically changes to accommodate the longest release title to be shown.

Panel Contents -

The time, ranking and title of events/releases are shown.

The time of a release is important to know because it can become a time of exceptionally high price volatility. You might not want to be in any trade at the time of important releases, and maybe not for at least an hour afterwards, due to possible extreme price moves, sometimes in both directions!

The ranking and title of a release can be important to know because higher ranking releases (Low, Medium, High) can mean higher price volatility. The release title can distinguish releases of more importance within a ranking. For example, certain "Bank Rate" and "FOMC" High Impact releases sometimes result in the highest volatility.

The Low and Medium Impact releases often have little effect on price, whereas the variety of High Impact releases can trigger bigger price moves. But understand it is not "news" that moves price. It is always the Robber Bank Market Makers that move price. They manipulate price to make profits from commissions and from the money they can steal by stop hunting the market. Their manipulations can be sudden, dramatic, in the least expected direction, or in both directions! And they tend to make the most out of their opportunities to steal from market participants during some of the High Impact releases.

Explanation of Display Choices -

Prioritization of events is fully automated. Seven event labels are provided to help avoid surprises. Prioritization choices by external inputs are as follows.

"Show_Impacts_H_HM_HML_123":

- 1) Displays only high impact releases.
- 2) Displays both high and medium impact releases.
- 3) Displays high, medium and low impact releases.

Note #1: All display the last high impact release, Bank Holidays and Daylight Savings Time Shifts for a purposeful period of time.

Note #2: Right click anywhere on display to cycle thru the Low, Medium, High impact events.

When events, per settings, are not scheduled, text noting that appears. Events for any pair can be shown on any chart. For example, show a CNY (China) event on a AUDUSD chart. You can also ignore the chart pair itself, selecting only other currencies for news.

The Events Alert -

You can specify to be alerted "x" minutes ahead of the scheduled release of Event #1. When that time arrives, an alert will sound/appear on the chart. During the short interval that the release time and the alert time are of the same minute, changing the chart time frame will cause the alert to retrigger. After the minute interval there is no triggering of the alert.

When "Alert_Minutes_Before_Event_1" is set at "0" the Alert is not set to function. If any other number appears, the Alert is set to function. When the Alert is set to function...

* If the minutes input is less than the time to the release of Event #1, the Alert is set to trigger and "Alert Pending" appears in the Panel title.

* If the minutes input equals the time to the release, the Alert triggers and "Alert Received" appears in the Panel title.

* If the minutes input now exceeds the time to the release, the release is already one or more minutes into the past and "Alert Completed" appears in the Panel title. When this is the case, open the External Inputs and reset the input to "0" to turn off the Alert. If you do not, the minutes input will be used to set the Alert for the next event listed.

Setting Time Frames for Display of Indicator -

You can select a range of TFs (starting with the M1 chart) to display this indicator, so it automatically will not display on a chart TF above the range. The indicator can be turned on/off without having to remove it from the chart, thereby preserving your chart settings.

Address Selection for Source Calendar -

Two input lines are provided for the address of the "source" for all calendar information, with a 3rd input to identify which address to use. This enables input of an alternate "source" address to use in the event the primary "source" fails.

☺ Traderathome, 11-12-2023

Traderathome

Site Founder & Administrator

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Joined: Fri Oct 21, 2016 8:04 am

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Founder

Re: PVSRA V2.4 Introduction, Download & User Notes

by Traderathome » Fri Dec 15, 2023 2:46 am

PVSRA v2.3 Trends Set User Notes

This indicator is coded to run on MT4 Build 600+. It displays up to three Trends. The various options for each Trend are described below.

Solid Trend 1 -

The Solid and Band renditions are for use with the PVSRA Candles Set indicator which will draw candles on top of them. For proper display, the MT4 price display must be "Line chart" with CLR_NONE as color, and not be set to foreground. The Solid and Band renditions are not intended for use with the normal MT4 price styles which will be obscured by these Trends unless they are set to "foreground". But MT4 price styles set to foreground obscure features of the PVSRA Trade Levels indicator and the PVSRA Access Panel indicator! So, to repeat, this Trends Set indicator is intended for use with the PVSRA Candles Set indicator only! Be sure chart Properties/Common tab/Chart on foreground is NOT checked! This has already been taken care of in the PVSRA template. Options for Trend 1 are described as follows:

- A. The period can be adjusted using the external input "Trend_1_Period".
- B. The type can be adjusted using the external input "Trend_1_EMA_SMA_WGT_123".
 - 1 = EMA, exponential moving average.
 - 2 = SMA, simple moving average.
 - 3 = WGT, linear weighted moving average.
- C. The style can be selected using external input "Trend_1_Solid_vs_Lines".
 - 1 = Solid body Dragon based on H/M/L prices, with/without showing the center/edge lines.
 - 2 = Standard three lines Dragon based on H/M/L prices.

Line Trends 1 and 2 -

The Line Trends use close prices. Their period, type, style and width can be changed. Both include the accent option to use a backdrop MA, wider and with a highlighting color, to improve the esthetics of the trend display, especially on white charts.

Configuration Label -

This is a Label automatically centered at the bottom of the chart, showing the period and type (EMA, SMA, WGT) of the Trend(s) set to display, starting with the trend having the lowest period to the trend with the highest period. When charts are downsized to show multiple charts in the single MT4 chart window, the Configuration Label might not display, depending on how much the chart has been downsized. This is intended, so as to keep the Configuration Label from obscuring the Trade Levels display of the open trade P/L labels located in the lower right corner of the chart window.

☺ Traderathome, 11-12-2023

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Re: PVSRA V2.4 Introduction, Download & User Notes

by Traderathome » Fri Dec 15, 2023 3:00 am

PVSRA v2.3 Candles Set User Notes

This indicator is coded to run on MT4 Build 600+. It draws PVA (Price-Volume Analysis) and standard candlesticks.

PVA Bars & Candlesticks -

PVA candlesticks are used with PVA volume for easy recognition of specific chart time frame bars where special price and volume situations occur. The situations, or requirements for the PVA colors used are as follows.

Situation "Climax"

When volume \geq 200% of the average volume of the 10 previous chart TFs or where the product of candle spread x candle volume is \geq the highest for the 10 previous chart time TFs.

Default Colors: Bull bars are green and bear bars are red.

Situation "Volume Rising Above Average"

When volume \geq 150% of the average volume of the 10 previous chart TFs.

Default Colors: Bull bars are blue and bear are blue-violet.

PVA Color Options -

You can select to show either PVA colors or standard volume colors with "PVA_vs_Standard_Colors", true/false.

There are two PVA color options provided by "PVA_Default_vs_PVA_Custom_Colors", true/false.

1. Custom: Use this option for the multi-color PVA display where you can change colors. This option is to help those suffering from color blindness or with other reasons for needing different colors that better suit them. Also, you can choose to use only the Climax colors, using them in place of the "Rising Volume" colors.
2. Default: There are no inputs. The traditional multi-color PVA display is hard coded. You can easily return to this display anytime while preserving those changes made to the Custom display.

Setup for the Price Display -

MT4 Chart Properties should be set so no color is assigned to "Line chart" and so that "Line chart" is selected. This will prevent any MT4 drawn price styles and allows this indicator to produce the price draws. This is already set up in the PVSRA template. 😊 Traderathome, 11-12-2023

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Re: PVSRA V2.4 Introduction, Download & User Notes

by [Traderathome](#) » Fri Dec 15, 2023 3:52 am

PVSRA v2.3 Volumes Set User Notes

This indicator is coded to run on MT4 Builds 600+. It draws a PVA (Price-Volume Analysis) and standard volumes histogram in the first chart sub-window. An alert option signals when a PVA situation exists. Specific details follow.

The PVA Volumes Histogram -

PVA volume is used together with a PVA price display for easy recognition of those TFs when special price and volume situations occur. The special situations, or requirements for the the colors used are as follows.

Situation "Climax"

When volume \geq 200% of the average volume of the 10 previous chart TFs or where the product of candle spread x candle volume is \geq the highest for the 10 previous chart time TFs.

Default Colors: Bull bars are green and bear bars are red.

Situation "Volume Rising Above Average"

When volume \geq 150% of the average volume of the 10 previous chart TFs.

Default Colors: Bull bars are blue and bear are blue-violet.

PVA Color Options -

There are two PVA color options provided by "Custom_vs_Default_Color", true/false.

1. Custom: Use this option for the multi-color PVA display where you can change colors. This option is to help those suffering from color blindness or with other reasons for needing different colors that better suit them. Also, you can choose to use only the Climax colors, using them in place of the "Rising Volume" colors.

2. Default: There are no inputs. The traditional multi-color PVA display is hard coded. You can easily return to this display anytime while preserving those changes made to the Custom display.

Volume Label Options -

The volume label appears in upper left of sub-window 1. There is full and a brief label. When charts are downsized the full label can be too long and the brief label should be used. Sometimes even the brief label can be too long and no label should appear. Use "Small_Chart_Label_Off_Brief_Full_012" to select what is appropriate to your small chart.

Volume Display Height -

"Window_Pct_Height_Volume_Fill" places a limit on the maximum height of volume bars. This keeps sub-window 1 labels from coving bar tops. Default is set at "85".

PVA Bar Alert -

This is a text/sound alert that triggers once per TF bar at the first qualification as a "Climax" or "Rising Volume" situation. Set "PVA_Bar_Alert_On" to "true" to activate. You can include a broker "ID" in the alert; a help if simultaneously running different broker platforms.

Standard Volume Display -

You can display volume in the normal fashion. Either in a normal volume display or in the PVA display, standard volume bars can be shown as either single width bars or as wide bars.

Volume Sub-Window Height Control -

It is desirable to control (fix) the height of the sub-window so that changes in chart size do not affect the height and the full visibility of the Events Panel items contained in the sub-window. "Subwindow_Pixel_Height_Controlled" must = "true". If "false" the window will have zero height. Three inputs work to fix the height:

1. __Tall_Chart_Pixels, default = 110. User selects how tall on full size charts.
2. __Short_Chart_Pixels, default = 110. User selects how tall on downsized charts.
3. __Height_Control_Percent, default = 18. User selects maximum % of chart height the sub-window height can be. Our template specifies the Volume Sub-Window to have a constant height, even as the user might change the overall size of the MT4 main chart window. This preserves the legibility of the News Panel in the Volume Window if the main chart window is downsized and prevents wasted space in the Volume Window if the main chart window is upsized.

☺ Traderathome, 11-12-2023

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Re: PVSRA V2.4 Introduction, Download & User Notes

by [Traderathome](#) » Fri Dec 15, 2023 3:54 am

PVSRA v2.4 Symbols Set User Notes

This indicator is coded to run on MT4 Build 600+. It provides 4 separate sets (lists) of trade items, easily revised and merged.

Introduction -

This Symbols Set indicator enables users to have quick chart access to a number of currencies and other traded items without having MT4 chart tabs open for them, i.e. this indicator serves as a substitute for using MT4 chart tabs. Why? Every MT4 chart tab opened involves additional MT4 "background" processing (cpu usage) whereas no matter how many Symbols Set item buttons you have, only the one you currently view engages all the functions of the MT4 tab (cpu usage savings). The more SS buttons you display for yourself to have quick access versus having the same number of MT4 tabs open, the more the advantage there is for using Symbols Set. This indicator also color marks each item button so you can see the items being traded, if in profit or loss, and if any of the Symbol Set item have a pending order.

External Inputs Explained -

Part_1: !!!__WARNING__!!!

Symbol Set items must appear in the MT4 Market Watch list for MT4 to be able to provide all the proper values for their charted display! The fastest way to assure all the SS items are in the list is to open the Market Watch window, left click to show the menu tile, and right click on "Show All".

Part_2: Symbol display sets

Four sets for symbol inputs allow retention of favorite items to be traded. for each, a "Comment" line is provided for any purpose you choose. The default use begins with the number of the items listed, then a number to input for "Button_Width" in Part_3 so sets of more and less items can show with the same approximate overall width for the button row(s), and concludes with abbreviated remarks of list content and exclusions. You select which set to display by making the "Enable...." input "true. All sets "true" will display as a merged single list.

Part_3: Normal Buttons Settings

Button_Width - Allows user to make buttons more narrow or more wide. Making wider buttons will, at some point, necessitate creating another row for buttons. Making narrower buttons might result in fewer button rows.

Button_Height - Allows user to adjust the height of buttons.

Shift_Row_Right - Allows user to start the buttons list further right in the window.

Shift_Row_Down - Allows user to start the buttons list further down in the window.

Left_Right_Minimum_Margin - Allows user to set an indent for the buttons on both sides of the window and the two above inputs should both be "0".

Text_Font_Size - Allows user to adjust the font size.

Text_Font_Type - Allows user to adjust the font type.

Part_4: Downsize Buttons Settings

Apply_DownSize_Buttons - This is a "On/Off" control for applying remaining inputs that go into effect when full size charts are downsized (become narrower).

Min_Button_Width - Allows user to specify smaller button width for downsized charts.

Min_Button_Height - Allows user to specify smaller button height for downsized charts.

Note_4_1 - Tells user to enter "0" if font size for downsized chart is to be selected automatically by hard code.

Note_4_2 - Tells user to enter the font size # desired for downsized charts if user does not want it to be selected automatically by hard code.

Min_Text_Font_Size - This is where the font size choice is input.

Part_5 thru Part_10: Various Color Settings

WARNING: While these settings are self-explanatory and user can change them as desired, the default colors provided are NOT retained!

If user wishes to experiment, but to be

able to return to the default colors, it is user's responsibility to document the default colors before changing them! Using a different template name for changes can do this.

☺ Traderathome, 11-12-2023

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Re: PVSRA V2.4 Introduction, Download & User Notes

by **Traderathome** » Sat Dec 16, 2023 12:02 am

Information on Changes to Posts in this Topic

You are at the bottom of the list of posts in this topic. To begin at the top, click on "up" arrow in the lower right corner of this post.

All initial revision posts for **PVSRA v2.4** are dated 11-12-2023 at the bottom signature. Posts since updated or added that you should read, are as follows: (None)

☺ Traderathome, 11-12-2023

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