

Convert Spreadsheet study to ACSIL study

Study 3: Daily and 5 day volatility

This study contains five sub-studies that show information about the current day's and 5 day volatility. It is used on intraday charts. I would like to be able to change the order of these studies (which one is the first, second, ... in the data region line). If this is complicated or not possible, it's no problem to create a separate ACSIL study of each of them.

Study short name:
d-d5-vol

Sub-study 1: Today's range

Description: This shows the current day's range (as pips or points). Just the value is shown in the data region line.

Name: d

Math: for FX pairs: $d = (\text{today's high} - \text{today's low}) * (1 / \text{ticksize})$

other underlyings: $d = \text{today's high} - \text{today's low}$

⇒ in the input section, there should be the possibility to choose if it's a FX underlying or not

Decimal places: It would be nice if the decimal places shown could be set in the input section.

Sub-study 2: Range of the last 5 days (:= 5 day ADR)

Description: This shows the average range of the last 5 days (as pips or points). Just the value is shown in the data region line.

Name: d5

Math: $d5 = \text{Average range of the last 5 days (current day not part of the calculation)}$

for differentiation of FX pairs and other underlyings please use the same logic as in sub-study 1.

Decimal places: It would be nice if the decimal places shown could be set in the input section.

Misc: In my chartbook / spreadsheet study so far, I use the User Contributed Study called "Average Range" (AR Length = 5, AR MA Type = SMA, Use current bar = No) in a daily chart and then use "Study/Price Overlay" to get the information into my intraday chart and spreadsheet. If necessary or useful it's ok, to still use a daily chart for this purpose / to reference in the intraday chart.

Sub-study 3: Today's range in relation to the range of the last 5 days

Description: This shows the relation (as percentage) of today's range to the range of the last 5 days. Just the value is shown in the data region line.

Name: %

Math: % = [Today's range (sub-study 1) / Average range of the last 5 days (sub-study 2)] * 100

Decimal places: It is sufficient to show the result in full percent (e.g. %: 36)

Sub-study 4: 15% of the range of the last 5 days

Description: This shows 15% (as pips or points) of the average range of the last 5 days (I use this as a guide for the stop size in a daytrade). Just the value is shown in the data region line.

Name: 15%

Math: 15% = [Average range of the last 5 days (sub-study 2)] * 0.15

Decimal places: It would be nice if the decimal places shown could be set in the input section.

Sub-study 5: 5 day ADR high and low for the day

Description: Lines that show the high and low for the day, according to the value of the range of the last 5 days.

Name: H5 and L5

Math: H5 = today's low + average range of the last 5 days ¹⁾

L5 = today's high - average range of the last 5 days ¹⁾

¹⁾ without the addition * (1/ ticksize)

Misc: I use the drawstyle "Dash" for these horizontal lines. They should not go all across the chart, just over the last 10 bars is sufficient, or if not a big deal, the possibility to set this value in the input section.

I've attached an example chartbook and spreadsheet study (for FX pairs) as additional information and on the following page there's a screenshot of how all of this looks like.

60m | daily | d-d5-vol.scwbf

EURUSD 60 Min #1 %: 87 15%: 8 d: 38 d5: 54

