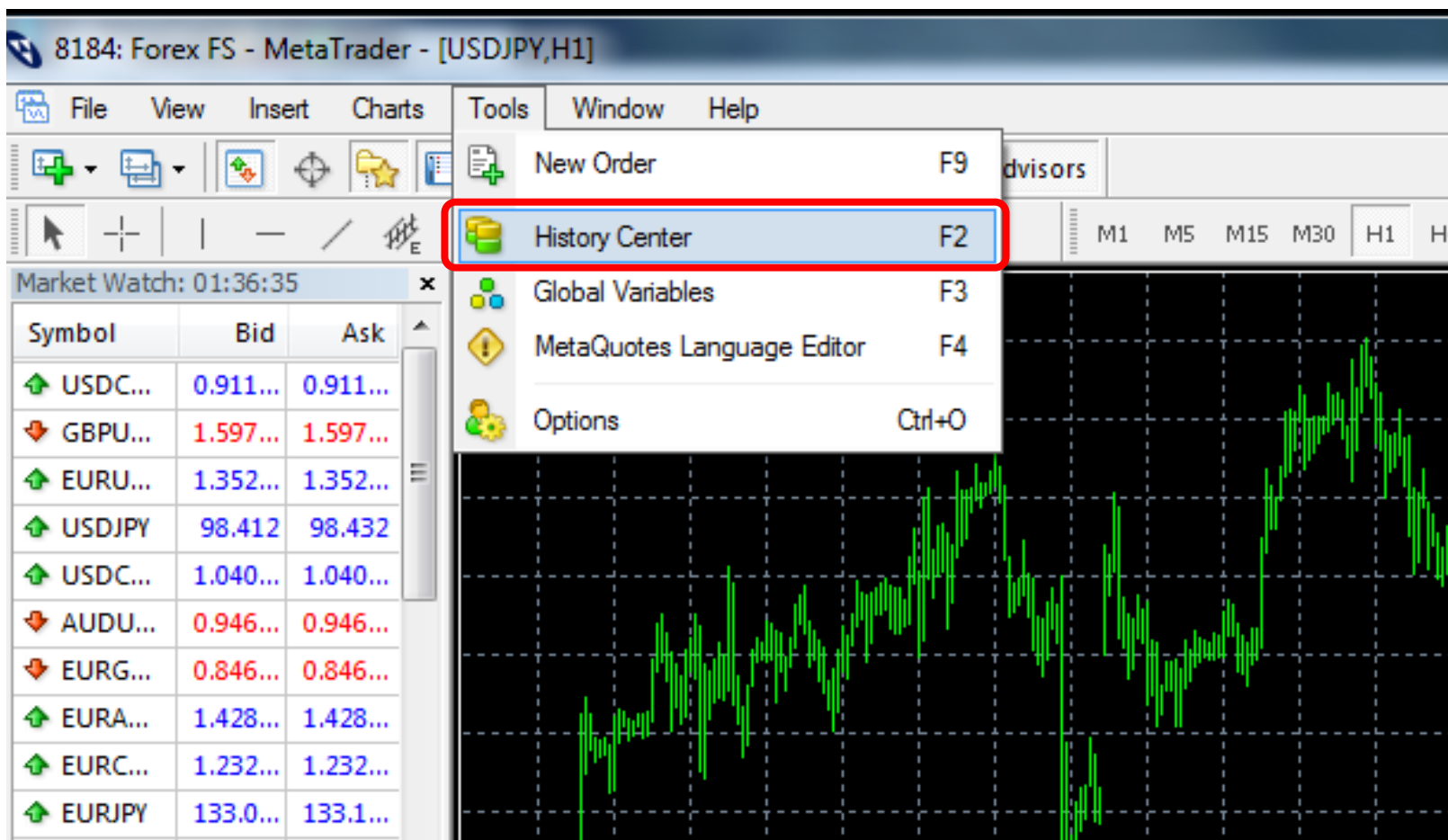


How to Perform Backtesting on MetaTrader4

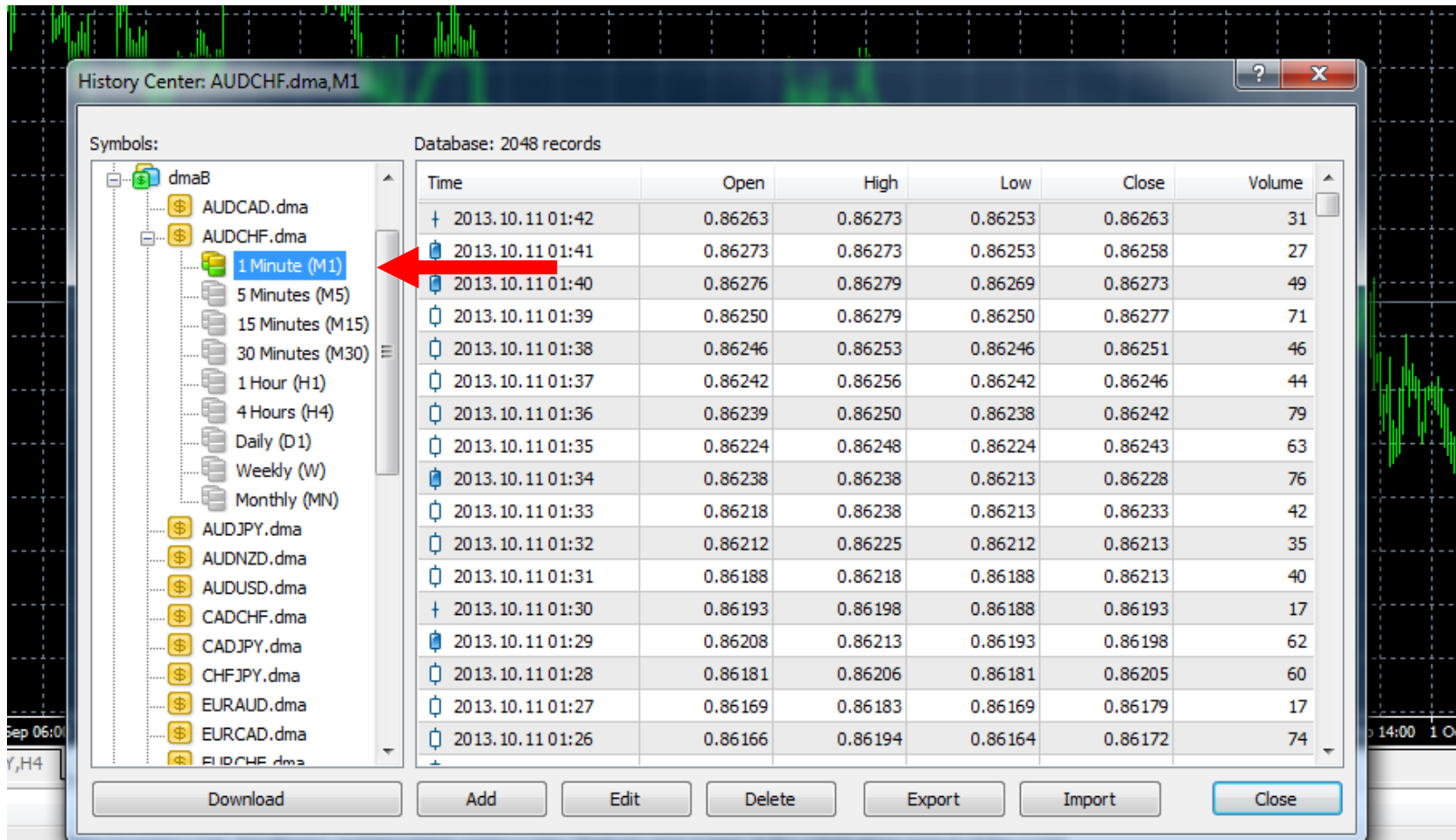
1. Open the History Center by clicking on **Tools**, then select **History Center**. Alternatively, simply click F2 on your keyboard.



2. Double-click the chart pair in the left column that you plan to backtest for.

A list of time periods will appear below. Double-click on the time period to load the history data for that period.

Note: The backtester uses 1 Minute data to generate ticks, so it is important that your M1 data is available.



parameters (currency pair, timeframe, and template) opens a new chart on your screen at the initialization period of the script.

on News event, will set BUY and SELL Stop (pending order) then will delete one pending order after open BUY/SELL occur (OCO) on specified date and time.

3. If you need to test your strategy for a longer period than what is available on the platform, click **Download** to download the full history. Please be aware that this data will be downloaded from the MetaQuotes Server which will override the available Forex FS history.

Note: You may receive a Download Warning message - hit OK to continue. The History Center will commence downloading. Repeat this process for every other time period and pair that you plan to test with. Your history data should be complete and accurate. If you see "mismatch chart" errors

History Center: AUDCHF.dma,M1

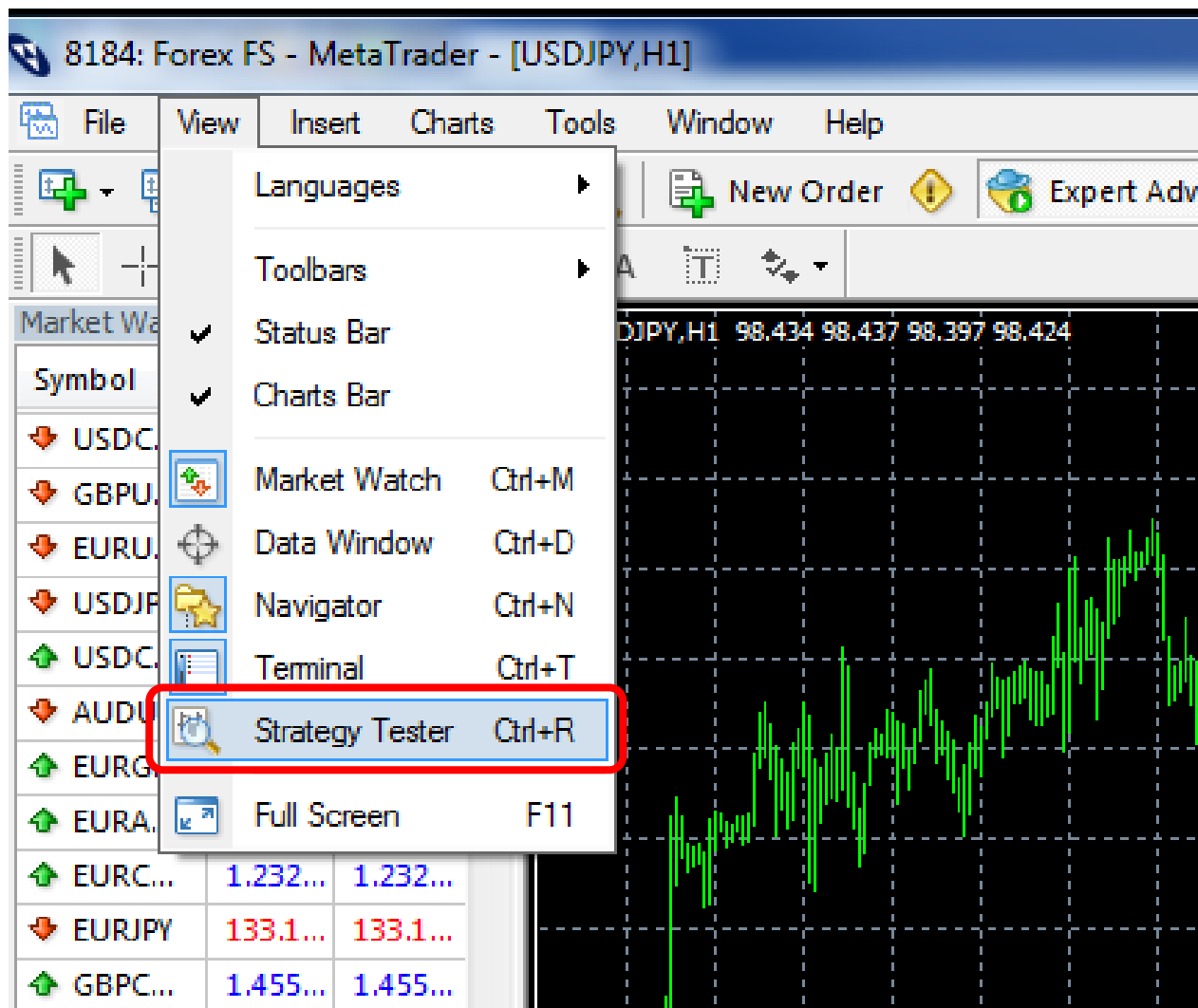
Symbols: Database: 2048 records

Time	Open	High	Low	Close	Volume
2013.10.11 01:42	0.86263	0.86273	0.86253	0.86263	31
2013.10.11 01:41	0.86273	0.86273	0.86253	0.86258	27
2013.10.11 01:40	0.86276	0.86279	0.86269	0.86273	49
2013.10.11 01:39	0.86250	0.86279	0.86250	0.86277	71
2013.10.11 01:38	0.86246	0.86253	0.86246	0.86251	46
2013.10.11 01:37	0.86242	0.86256	0.86242	0.86246	44
2013.10.11 01:36	0.86239	0.86250	0.86238	0.86242	79
2013.10.11 01:35	0.86224	0.86248	0.86224	0.86243	63
2013.10.11 01:34	0.86238	0.86238	0.86213	0.86228	76
2013.10.11 01:33	0.86218	0.86238	0.86213	0.86233	42
2013.10.11 01:32	0.86212	0.86225	0.86212	0.86213	35
2013.10.11 01:31	0.86188	0.86218	0.86188	0.86213	40
2013.10.11 01:30	0.86193	0.86198	0.86188	0.86193	17
2013.10.11 01:29	0.86208	0.86213	0.86193	0.86198	62
2013.10.11 01:28	0.86181	0.86206	0.86181	0.86205	60
2013.10.11 01:27	0.86169	0.86183	0.86169	0.86179	17
2013.10.11 01:26	0.86166	0.86194	0.86164	0.86172	74

Download Add Edit Delete Export Import Close

parameters (currency pair, timeframe, and template) opens a new chart on your screen at the initialization period of the script.
on News event, will set BUY and SELL Stop (pending order) then will delete one pending order after open BUY/SELL occur (OCO) on specified date and time.

- After you have downloaded the history data, open the Strategy Tester, by clicking on the **View** menu and selecting **Strategy Tester**. Alternatively, click **Ctrl + R** on your keyboard.



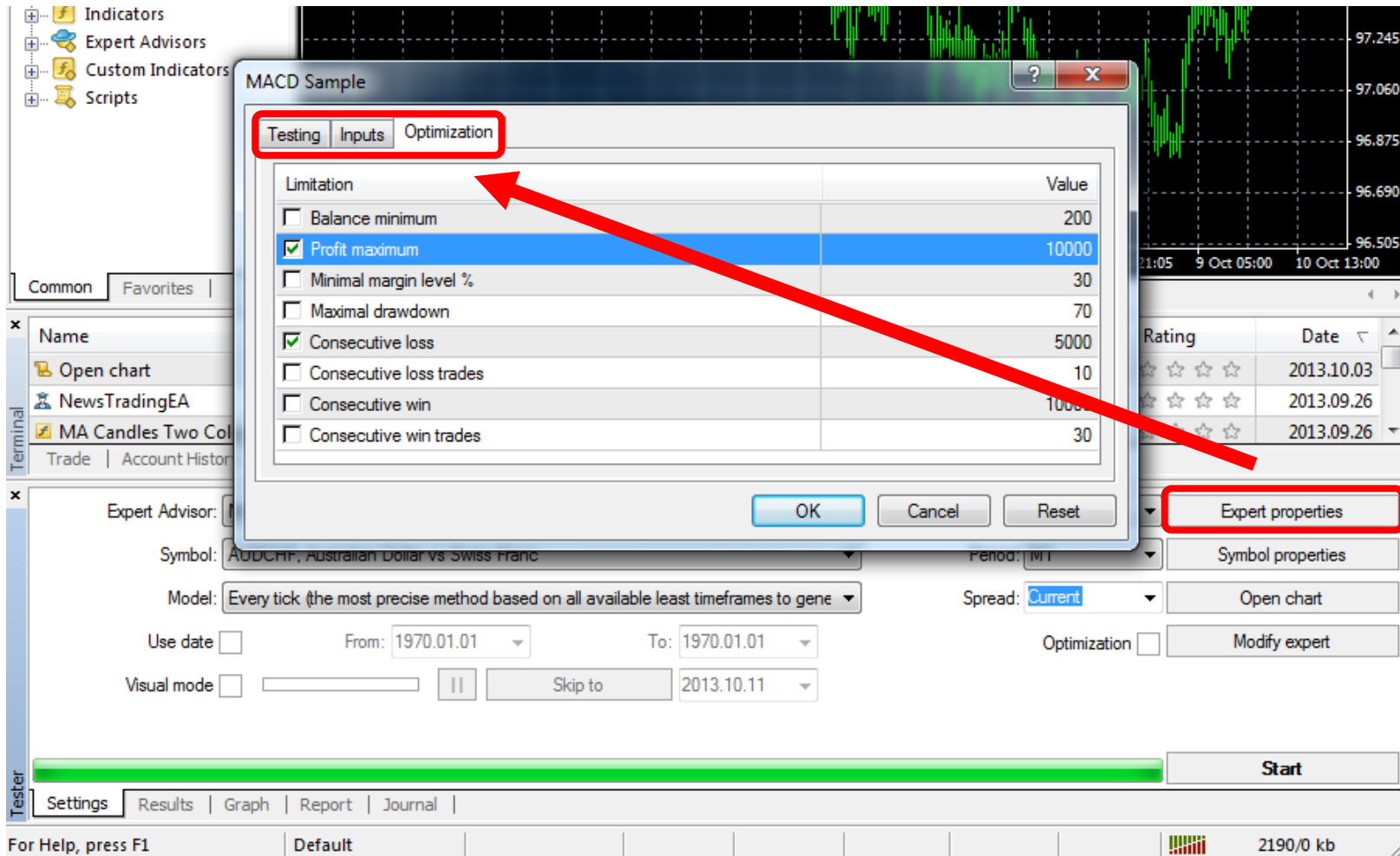
5. Select your Expert Advisor, Symbol, Time Frame and Model, select the Every tick model for the most precise result. Then click the **Start** button to begin the backtesting.

The screenshot shows the MetaTrader 5 Expert Advisor Tester interface. At the top, there is a chart for the USDJPY,H1 pair, showing price movement from late September to early October 2013. Below the chart is a list of installed Expert Advisors (EAs) with columns for Name, Description, Rating, and Date. The configuration panel at the bottom is highlighted with a red rounded rectangle. It contains the following settings:

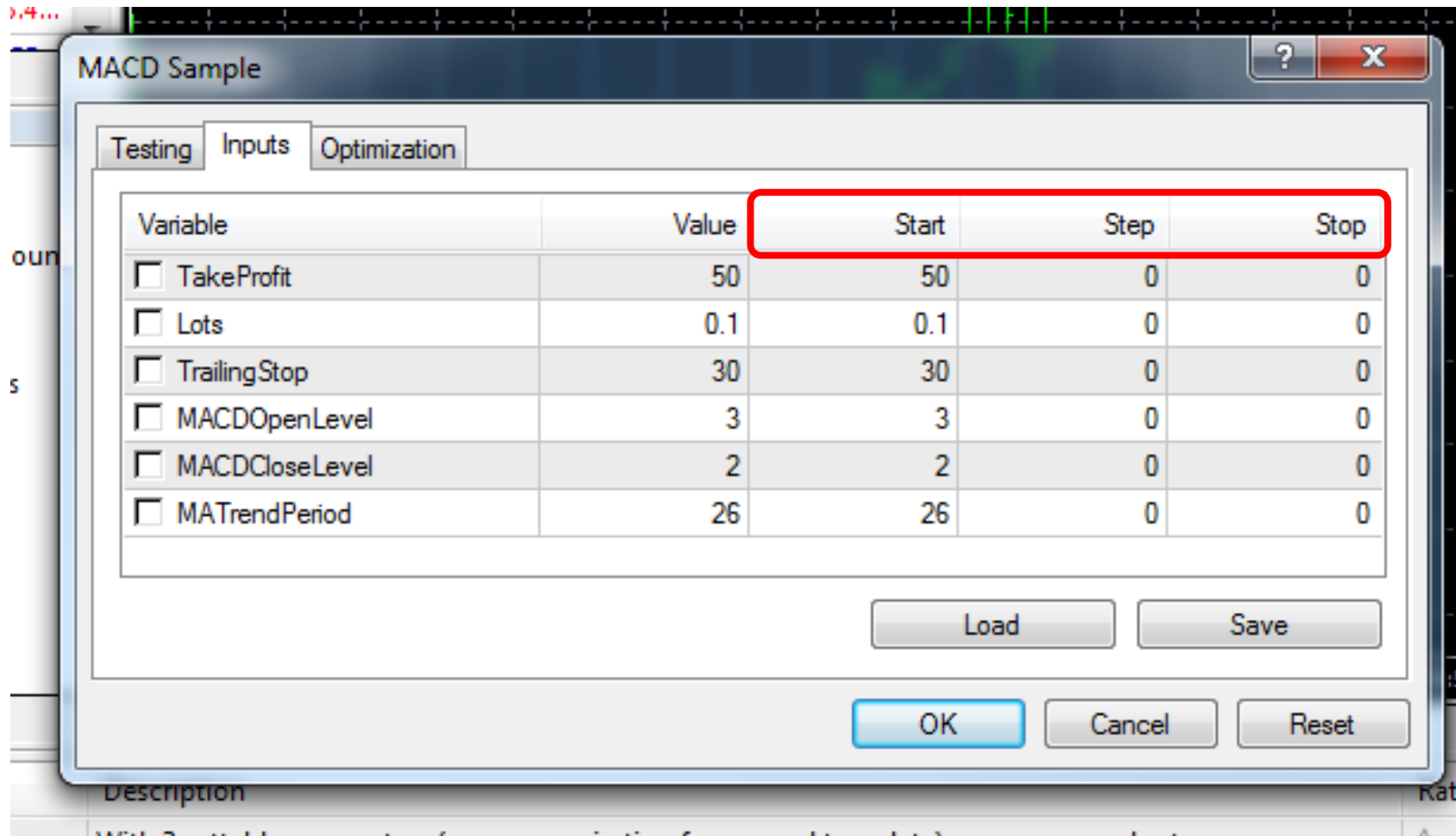
- Expert Advisor: MACD Sample
- Symbol: AUDCHF, Australian Dollar vs Swiss Franc
- Period: M1
- Model: Every tick (the most precise method based on all available least timeframes to gene...)
- Spread: Current
- Use date:
- From: 1970.01.01
- To: 1970.01.01
- Optimization:
- Visual mode:
- Skip to: 2013.10.11

A red arrow points to the **Start** button at the bottom right of the configuration panel. The Tester interface also includes tabs for Settings, Results, Graph, Report, and Journal.

6. The Optimization feature in the Strategy Tester allows you to test combinations of your EA setting to help you find the most profitable parameters. To perform optimization, click the **Expert Properties** button. Select the testing, input and limitation settings that you want to optimize. Then click **OK**.



- In the Inputs tab, there are 3 important columns.
 - "Start" is the lowest value for your indicator setting.
 - "Stop" is the highest indicator setting.
 - "Step" is how many increment you want between the lowest and highest value.



8. Click **OK** to go back to the Strategy Tester menu. Tick the **Optimization** check box, then click the **Start button** to begin the process.

The screenshot displays the Strategy Tester interface. At the top, there is a dropdown menu for the expert name, currently set to "Expert properties". Below this, the symbol is set to "Dollar vs Swiss Franc" and the period is "M1". The spread is set to "30". The optimization method is set to "Precise method based on all available least timeframes to generate". The start date is "1970.01.01" and the end date is "1970.01.01". There is a "Skip to" button with a date of "2013.10.11". The "Optimization" checkbox is checked and highlighted with a red box. The "Start" button is also highlighted with a red box. Below the main interface, there is a navigation bar with tabs for "Strategy Graph", "Results", "Graph", "Report", and "Journal".