

NeuroShell Trader

The HACOLT indicator Sylvain Vervoort used in the article "Long Term Trading using Exchange Traded Funds" can be easily implemented in the NeuroShell Trader using the NeuroShell Trader's ability to call external programs. The programs can be written in C, C++, Power Basic or Delphi.

After moving the MetaStock code given in the article to your preferred compiler and creating a Dynamic Linked Library (DLL), you can insert the resulting HACOLT indicator as follows:

1. Select '**New Indicator ...**' from the '**Insert**' menu.
2. Choose the **External Program & Library Calls** category.
3. Select the appropriate **External DLL Call** indicator.
4. Setup the parameters to match your DLL.
5. Select the **Finished** button.

To create the HACOLT Trading System, select '**New Trading Strategy ...**' from the '**Insert**' menu and enter the following in the appropriate locations of the Trading Strategy Wizard:

Generate a buy long market order if all of the following are true:

$A=B(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 100)$

Generate a sell long market order if all of the following are true:

$A<B(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 100)$

Generate a sell short market order if all of the following are true:

$A=B(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 0)$

Generate a cover short market order if all of the following are true:

$A>B(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 0)$

With the NeuroShell Trader's optimization capabilities, you can also choose whether or not the rule parameters should be changed. After backtesting the trading strategy, use the 'Detailed Analysis ...' button to view the backtest and trade-by-trade statistics for the strategy.

To scan a large number of ticker symbols for potential HACOLT signals, select '**Scan Ticker Symbols**' from the '**File**' Menu and enter the following scan values:

Open Long Signal:

$\text{CrossAbove}(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 75)$

Close Long Signal:

$\text{CrossBelow}(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 75)$

Open Short Signal:

$\text{CrossBelow}(\text{HACOLT}(\text{Open, High, Low, Close, 55, 1.1, 60}), 25)$

Close Short Signal:

CrossAbove(HACOLT(Open, High, Low, Close, 55, 1.1, 60), 25)

Once the scan is finished, it can be saved for future use by simply pressing the “**Save as Template**” button.

Users of NeuroShell Trader can go to the STOCKS & COMMODITIES section of the NeuroShell Trader free technical support Website to download a copy of any of the traders’ tips.

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Figure 1: A NeuroShell Trader Chart that shows a HACOLT trading system, indicator and resulting equity curve.

