

HydroTest QuickStart Guide

Pre-Amble

HydroTest 1.3 is a Windows version of the old HydroTest web site. Still in development, it contains (or will contain) all the usual HydroTest error stats as covered on the site.

Files

Files should contain columns of data – the first column are the observed values; the subsequent column(s), the modelled data. The columns can be either text delimited, or comma delimited – select the appropriate option in the File Attributes section. Make sure your files do not have a blank line at the end. Your files should also use CR LF to delimit lines – not LF. If in doubt, save your file as a text file in Excel.

Enter the number of columns in your data file in the appropriate box. This should be at least two – column one being the observed data; column two onwards the modelled data.

You can compare the observed data with one modelled column at a time – by entering the column to analyse in the appropriate box. The results will appear in a separate screen.

Or – you can analyse all your modelled columns simultaneously by clicking the Analyse All Columns check box. Up to eight results are displayed on the results screen in this case. If you have more than eight columns to analyse you should select a Results File so that all results can be saved.

If the data file has a header row – click the option box so that HydroTest ignores this row.

Other settings

Threshold value – used to calculate peaks over threshold.

Apply Bounds? - used to analyse subsets of the data. For example, if you wish to calculate statistics on data points that are above, say, 100 – you should enter a lower bound value of 100. HydroTest will only calculate statistics on rows of data that have values above this bound.

Results File – if you want your results saved to a text file – select it here. This is useful if you have more than eight modelled columns to analyse.

Calculate

Hit the calculate button to instigate the analysis.

Settings Screen

Missing Data Identifier – code that is used in data files to identify missing data. Your file may not have missing data, but, sometimes, observed data from various sources can contain missing values represented by a particular code – e.g. -999.

Decimal Places Required – how many decimal places you would like results presented in.

Default File Directory – where HydroTest should look for data files.