

How to	Quality Control – Automatic Validation Rules
Description	Step by step description of how to perform a specific task in ROWS.
Comments	The <i>italic</i> phrases correspond to the red markings in the screenshots. Please be aware that the screenshots may deviate slightly from the application
version	2015-02



While importing and storing the imported data in the Delft-FEWS database the newly imported scalar time series will be validated against configured *soft* and *hard* limits:

- Soft limits are validation limits that flag the observed data as data with doubtful quality; this data will be used in further processing tasks or model runs.
- Hard limits are validation limits that flag the observed data as data as unreliable; this data will not be used anymore in further processing tasks or model runs.

The data is validated on extreme values (max and min) and rate of change (rate of rise, rate of fall). The settings for these validation rules differ per location and can be found in the meta data file(s).

If *validation limits* are exceeded the Logs viewer will show messages about the series that have erroneous or suspect values. Besides validation of erroneous data the time series are also checked for exceeding *threshold limits*. These threshold limits (minor, moderate and major flood levels) will not flag the data but can be shown in the Plots display for reference.

See for information the other How-to memo's on Quality Control.