QUANTIL

Estimates the percentiles of monthly of daily aggregates of WaSiM results, e.g. of the aggregation results contained in the RESAGG(R) or RESMEAN(I) results. The data sets may be normal or log-normal distributed (with 2 or 3 parameters, then a lower limit is used).

Command: **`quantil <control_file> [NV|LN2|LN3]`**

The control file contains the names of all files which have to be evaluated. The result file has the same name like the control file but the extension ".sta". The optional parameters NV, LN2 or LN3 define the type of distribution function to be used for the parameter estimation. LN2 is the default. If LN3 is chosen, a lower limit has to be specified interactively (using the same units like the input data, e.g. mm/month if input data are monthly aggregated discharge sums). The files are processed in the order as given by the control file. All input files has to be structured identically, i.e., the same number of zones and the same applied aggregation method. For each zone or subbasin, a set of parameters is estimated (average, standard deviation) which are used to calculate the 5%, 50% and 95% percentiles. These percentiles and the minimums and maximums of the input data are written to the output file.