

Available performance criteria

Performance criteria for the model domain, based on performances at individual subbasins where observations exists.

- **average/median:** criteria calculated in subbasins individually, and then combined (equal weight to each station, irrespective of time series length)
- **regional:** criteria calculated on a combined long time series over all subbasins (thus weighted by data lengths)
- **spatial:** time series att each subbasin is collapsed to a single long-term average, these averages are then combined to a “spatial series” over all subbasins, and the criteria calculated over those

Note: TAU and any of the RA criteria only can be calculated as the 4 first criteria.

Criterion ID	Description
MR2	average of all Nash-Sutcliffe R2s for all subbasins with observations.
MRE	average of the relative bias for all subbasins (Note: fraction, not %).
MRA	average value of subbasin values of Nash-Sutcliffe like criteria where the square is exchanged with a coefficient value.
MCC	Pearson correlation coefficient, average of all subbasins with observations.
MRS	error in standard deviation, average of all subbasins with observations.
MAR	average of absolute relative bias for all subbasins (Note: fraction. not %).
RR2	regional Nash-Sutcliffe R2 (all data combined in one long time series).
RRE	regional relative bias (all data combined in one long time series).
RRA	regional Nash-Sutcliffe like criteria where the square is exchanged with a coefficient value.
MD2	median of Nash-Sutcliffe R2 for all subbasins with observations.
MDA	median of all subbasins' RA (Nash-Sutcliffe like criteria where the square is exchanged with a coefficient value).
MKG	median of all subbasins' Kling-Gupta Efficiency.
MNR	median of all subbasins' normalised RMSE.
SR2	spatial R2 simulated using annual means for all subbasins (requires at least 5 years and 5 subbasins with data) to calculate the Nash-Sutcliffe R2.
SRA	Spatial Nash-Sutcliffe like criteria where the square in the Nash-Sutcliffe formula is exchanged for a coefficient value.
TAU	average of Kendall's Tau value for all subbasins.