

Statistical indicator	Equation	Range	Optimal value
R^2	$\left[\frac{\sum_{i=1}^n (O_i - \bar{O})(S_i - \bar{S})}{\sqrt{\sum_{i=1}^n (O_i - \bar{O})^2} \sqrt{\sum_{i=1}^n (S_i - \bar{S})^2}} \right]^2$	0.0 to 1.0	1.0
RMSE	$\sqrt{\frac{1}{n} \sum_{i=1}^n (O_i - S_i)^2}$	0.0 to $+\infty$	0
pbias	$\frac{\sum_{i=1}^n O_i - S_i}{\sum_{i=1}^n O_i} \times 100$	$-\infty$ to $+\infty$	0
O : Observation; S : Simulation; n : number of samples			