

Statistical indicator	Equation	Range	Optimal value
R ²	$\left[\frac{\sum_{i=1}^n (\mathbf{O}_i - \bar{\mathbf{O}})(\mathbf{S}_i - \bar{\mathbf{S}})}{\sqrt{\sum_{i=1}^n (\mathbf{O}_i - \bar{\mathbf{O}})^2} \sqrt{\sum_{i=1}^n (\mathbf{S}_i - \bar{\mathbf{S}})^2}} \right]^2$	0.0 to 1.0	1.0
RMSE	$\sqrt{\frac{1}{n} \sum_{i=1}^n (\mathbf{O}_i - \mathbf{S}_i)^2}$	0.0 to $+\infty$	0
pbias	$\frac{\sum_{i=1}^n \mathbf{O}_i - \mathbf{S}_i}{\sum_{i=1}^n \mathbf{O}_i} \times 100$	$-\infty$ to $+\infty$	0%

O: Observation; **S**: Simulation; **n**: number of samples