Statistical indicator	Equation	Range	Optimal value
R^2	$\left[\frac{\sum_{i=1}^{n}(O_i-\overline{O})(S_i-\overline{S})}{\sqrt{\sum_{i=1}^{n}(O_i-\overline{O})^2}\sqrt{\sum_{i=1}^{n}(S_i-\overline{S})^2}}\right]^2$	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