

$$MFB = \frac{2}{N} \left(\sum_{t=1}^N \frac{Model - Obs}{Model + Obs} \right) \times 100\% \quad \text{Equation 1}$$

$$MFE = \frac{2}{N} \left(\sum_{t=1}^N \frac{|Model - Obs|}{Model + Obs} \right) \times 100\% \quad \text{Equation 2}$$

$$NMB = \frac{\sum_{t=1}^N |Model - Obs|}{\sum_{t=1}^N Obs} \times 100\% \quad \text{Equation 3}$$

$$NME = \frac{\sum_{t=1}^N |Model - Obs|}{\sum_{t=1}^N Obs} \times 100\% \quad \text{Equation 4}$$

$$MNB = \frac{1}{N} \sum_{t=1}^N \frac{(Model - Obs)}{Obs} \times 100\% \quad \text{Equation 5}$$

$$MNE = \frac{1}{N} \sum_{t=1}^N \frac{|Model - Obs|}{Obs} \times 100\% \quad \text{Equation 6}$$