

L216: all metrics should be described with equations. To me, at least, it is unclear how anomalies were computed or how the bias was removed – it seems there are different options to do so.

Answer: The following equations will be added to the revised manuscript:

$$Bias = \frac{1}{N} \sum_{n=1}^N (x_n - y_n)$$

$$RMSD = \sqrt{\frac{1}{N} \sum_{n=1}^N (x_n - y_n)^2}$$

$$ubRMSD = \sqrt{RMSD^2 - bias^2}$$

$$R = \frac{\frac{1}{N} \sum_{n=1}^N (x_n - \bar{x})(y_n - \bar{y})}{\sqrt{(\sum_{n=1}^N (x_n - \bar{x})^2)(\sum_{n=1}^N (y_n - \bar{y})^2)}}$$

Where x are the simulated output data from AquaCrop and y are the observations from the satellite products. \bar{x} and \bar{y} are the time mean values.