

We have answered (in black) the Referee #2 comments bellow *(in blue)*

*I would like to thank the authors their answer to my questions. I still find some some technical issues that should be addressed before publication:*

*Figures 3, 4 and 5: Thanks for the horizontal lines, the vertical ones would been appreciated too. I think you should differentiate the panels in these figures, for instance using letters (a, b, c) and specify in the caption what they refer each of them.*

We have included vertical lines and ABC titles to the plots that correspond with the names of the AWSs in table 1.

*Figure 5: In the first panel the legend does not allow to see the actual lines.*

Corrected, thanks

*Figure 11 (initially Figure 10): The figure has changed completely. I understand that the inconsistency you mentioned in your answer refers not only to the red dot line but also to the Total Water Storage simulation. Is that correct?*

Exactly, as the error came from the way we read the DEM to discriminate the different elevation bands.

*Supplementary figure: Yes, I knew that the metrics, RMSE and MSE, are in section 4.2. My comment suggested to include them also in the figure to have the info here too. Moreover, I suggest to change the unit of  $f_{SCA}$  and NDSI to make them coherent with the ones used in the equation in line 403.*

Included.