

Interactive comment on “The WACMOS-ET project – Part 1: Tower-scale evaluation of four remote sensing-based evapotranspiration algorithms” by D. Michel et al.

D. Michel et al.

dominik.michel@env.ethz.ch

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Other comments not related to reviewer comments:

- p10746.L14 : the the slope of the curve – deleted redundant 'the' - p10761.L17: shows the the overall model performance – deleted the redundant 'the'
- writing eddy-covariance instead of eddy covariance (the latter used twice)

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- p10762.L28: “when daily input is used (-18.2 to 11.3 % against the ER reference)” – it should read -11.3 %

- In Fig. 5 in the daytime and nighttime plots erroneous data was shown. Correlations of daytime and nighttime together should represent the full-day situation, which was not the case in the previous version. The production of the figure was revised, resulting in the correct Fig. 5. Consequently, small changes to the text are necessary, so that:

“The Taylor diagrams in Fig. 5 show that correlations to in situ observations (using the EC method) are higher when the entire daily cycle is considered (left panel), as opposed to considering daytime values only (left panel, top row) or nighttime values only (right panel, top row). The overall R^2 with tower forcing including all models increases from 0.54 to 0.67 from daytime to full day evaluation; this reflects the fact that the daily solar cycle leads to preferentially high values around noon and lower at night, which will increase correlations as long as the models are able to reproduce the sensitivity to radiation changes adequately. Figure 5 (right panel, top row) shows the overall model performance for nighttime periods. Note that nighttime is identified as cases, when the cosine of the zenith angle is <0.2 .”

was changed (bold) to:

The Taylor diagrams in Fig. 5 show that correlations to in situ observations (using the EC method) **considering the entire daily cycle (left panel) are very similar compared to** considering daytime values only (left panel, top row) or nighttime values only (right panel, top row). **The overall R^2 with tower forcing including all models is 0.67 for full day as well as daytime evaluation and 0.68 for nighttime evaluation; this indicates that the results are independent of the time scale.** Note that nighttime is

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identified as cases, when the cosine of the zenith angle is <0.2 .

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