

Review by Jeff Reid:

“One mislabeling in the paper worth noting. For figure 8 they list rmsd and bias as the same thing, when in fact they are polar opposites. RMSD (or root mean square deviation) is essentially the rmse one the bias is removed. RMSE is the sqrt of bias² plus variance squared. Both rmse and rmsd are positive definite. If they want to show bias instead of rmsd (as I suggested) that is fine. Just relabel figure 8.”

Thank you Jeff,

That’s correct, what we are showing is a “bias”. We removed all references to “rmsd” in the text and relabeled Fig. 8.

Specific changes:

P25, Ln. 30:

Was: “prognostic error models, we computed *rmse* and *bias* (or *rmsd*) ...”

Now: “prognostic error models, we computed *rmse* and *bias* ...”

P26, Ln. 2:

Was: “deviation can serve as a reasonable proxy for both *rmse* and bias (*rmsd*), for instance: “

Now: “deviation can serve as a reasonable proxy for both *rmse* and bias, for instance: “

P. 26, Ln 4-5: Removed the sentence:

“This table also includes Australian continent not shown in Figure 8 for the lack of space.“

because Fig. 8 was updated with Australia added.

P35, Ln. 18 (and P42):

Was: ” **Table 5.** Regional linear regression model parameters for the expected error (*rmse*) and bias (*rmsd*).”

Now: “**Table 5.** Regional linear regression model parameters for the expected error (*rmse*) and bias.”

P43, Ln. 26 (and P. 52):

Was: “**Figure 8.** Absolute error (*rmse*, top row) and bias (*rmsd*, bottom row) “

Now: “**Figure 8.** Bias (top row) and *rmse* (bottom row) ...”

Updated Fig. 8:

- 1) Replaced “RMSD” with “Bias”
- 2) Re-plotted $RMSE$ with y-axis starting from 0 to address Reviewer’s comment that “ $RMSE$ is a positively defined function”.
- 3) Added Australian continent.