

Dear Handling topical editor Dalei Hao,

Thank you for your prompt and thorough handling of our manuscript "essd-2022-422." We are grateful for your expeditious review and appreciated your swift response to our revision. We have added one more figure in the main txt based on the reviewer 1's comment. Hope the revised manuscript are to your satisfaction.

I found the authors addressed my previous comments well. I only have a minor comment at this time. I appreciate the authors to upload the time series comparisons of water level for all the available reservoirs. But I still think it will be useful to reduce all the plots into one and show it in the main text. For example, the authors can plot the histogram of the evaluation metrics from all the reservoirs similar to Figure 6 in the main text. I understand RMSE is a common evaluation metric, but I still don't think it is a good to compare across different sites (line 455 - line 460). Why not showing the relative RMSE for the water level evaluation? I noticed rBIAS and rRMSE were used in Figure 6 for validating water area, similar evaluations may be done in Figure 4 for validating water level.

Reply: This is indeed a great point and thanks for your comments. We added one more figure in the Supplementary file. Please check it below.

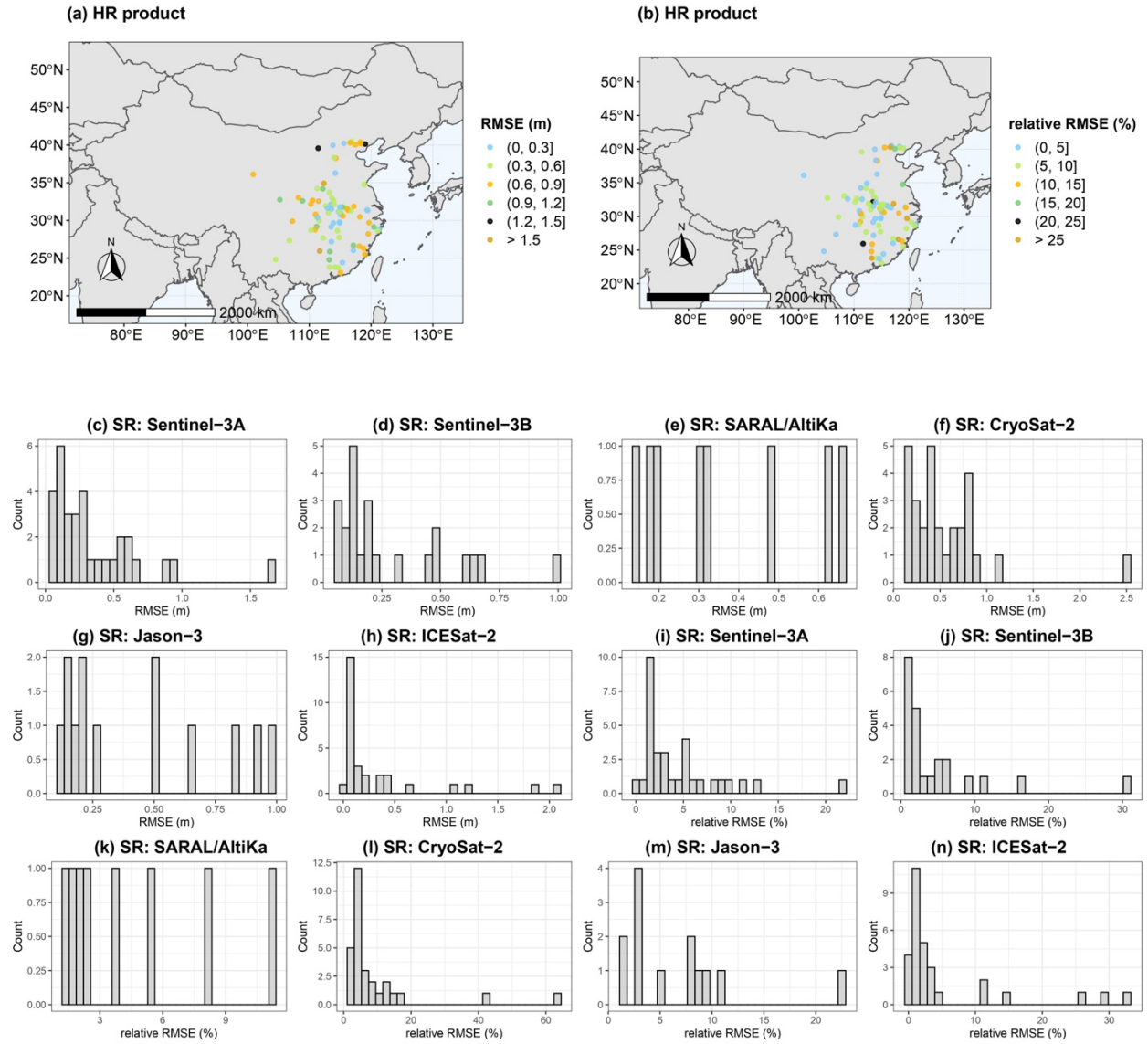


Figure S9. Performance of the Standard-rate (SR) and High-rate (HR) products in terms of the RMSE and the relative RMSE values of the validated reservoirs. For detailed validation metrics, please refer to our data.

Best,

Youjiang Shen.