

Dear Authors

Thank you so much for responding to the reviewers' questions. Also, thank you for clarifying ordinary PCA and NLPCA, which are used in your analysis. However, I still have some issues that need to be clarified.

1. It remains unclear how you removed the collinear variables based on the VIF values. For instance, in the updated table (Table 2, page 17), I couldn't understand the rationale for removing NAO, PDO, TNI, and QBO, and not sure you followed the stepwise removal of collinear predictors (one predictor at a time), starting from the one with the largest VIF. For instance, unless there is a concrete reason, I would suggest removing the Variables with VIF values of Infinity. Then recalculate the VIF. If multicollinearity still exists, remove the Predictor with the highest VIF. Again, recalculate VIF, and so on. The Predictors NAO, PDO, TNI, and QBO already have low VIF when you calculate VIF using all variables, but you removed them. Please explain the rationale behind this and put all your steps into the supplementary material
2. In your modeling chain, only the peak flows are forecasted with better performance; most of the other forecasts are worse than the climatological benchmark. Please justify this and provide an aligned report on the abstract, discussion, and conclusions of your manuscript.
3. Could you please share the raw data used and major outputs, including your observed discharge, in the supplementary document for transparency?
4. Put units of RMSE in the report