

Authors response to reviews for manuscript number #essd-2024-109

Topic editor:

Many thanks for the revision, I will accept the manuscript for final publication after you have published the “netcdf files for BNML TWSA products, Model Input, and BN Predictors using an integer-based classification” and finished the checks for CL compatibility. Also please make sure that you update the data availability statement accordingly. This includes an update of the DOI for the data if required.

Response: We sincerely appreciate the editor’s constructive comments and thoughtful review of the manuscript. In response to the editor’s suggestions:

1. We have published the NetCDF files for the BNML_TWSA dataset, model inputs, BN Predictors (using an integer-based classification), and the uncertainty associated with the BNML_TWSA in terms of standard error for each grid cell considered in this study. A README file with the data description is also published.
2. The Climate and Forecast (CF) compatibility check has been conducted before publishing the NetCDF files.
3. The Python codes used to run the machine learning models are made available through the same DOI as the datasets.

We are grateful for the editor’s guidance.