

Geosci. Model Dev. Discuss., author comment AC2
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Reply on RC2

Xinzhu Yu et al.

Author comment on "CIOFC1.0: a Common Parallel Input/Output Framework Based on C-Coupler2.0" by Xinzhu Yu et al., Geosci. Model Dev. Discuss.,
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Dear Reviewer,

Thanks a lot for reviewing our manuscript and for the comments and suggestions.

We would like to reply some comments here, and will carefully follow all your comments and suggestions when revising the manuscript.

- We will include the discussions and tests regarding with other I/O frameworks that are frequently used by other major climate models. We will include the performance test result of a real climate model besides the test model we are currently using and make more explanations about how CIOFC can be used by other component models.
- We will rewrite about the introduction of parallel I/O manager and add the reference about prior work when discussing I/O decompositions, data rearrangements and grouping I/O processes as a subset of the model compute processes.
- We will rewrite about the introduction of output time series manager and the spatial data interpolation manager for the comparison with the implementations of timers and the performance of interpolation function in other major climate models.