Reply on RC1
Jingzhe Sun et al.

Author comment on "An Online Ensemble Coupled Data Assimilation Capability for the Community Earth System Model: System Design and Evaluation" by Jingzhe Sun et al., Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2021-399-AC1, 2022

In general:

The author would like to thank the reviewer for the thorough examination and comments on this manuscript. All the suggestions and comments from the reviewer are very helpful to improve presentation of the manuscript. After plenties of discussions among co-authors, we have carefully revised the manuscript according to reviewer’s comments and suggestions.

The following is the point-by-point reply to the comments:

1□RE: A good suggestion! We have added more details and discussions on the computational efficiency as the new Section 4.5 in the revision. Please see Table 6 and Lines 546-555.

2□RE: Thank you very much for your insightful suggestion. More descriptions on how to implement online assimilation system are added in the revision. Please see Lines 530-545.