

***Interactive comment on “CESM/CAM5 improvement and application: comparison and evaluation of updated CB05\_GE and MOZART-4 gas-phase mechanisms and associated impacts on global air quality and climate” by J. He et al.***

**J. He et al.**

yzhang9@ncsu.edu

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Reply to the Executive Editor of GMD

Thanks you for your valuable comments and suggestion. We have gone through all references you provided - the Journal white paper, Editorial and the requirements of papers published in GMD. Our paper falls into the Technical, development, and evaluation (TDE) manuscript type. According to the aforementioned Editorial documents, for TDE papers, we are strongly encouraged to provide a code for potential users to

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perform test cases published in our paper and to include electronic versions of model output where possible.

The presented results in our paper are based on output from the simulations performed with the NCAR Community Earth System Model (CESM) version 1.2.2 (<https://www2.cesm.ucar.edu/models/current>) with additional model development and modification by our group. Our added codes have been provided to NCAR for potential future release to NCAR for community use.

Following your request, we will add a Code and Data Availability section to the last section of our manuscript when we submit the revised paper.

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Interactive comment on Geosci. Model Dev. Discuss., 8, 7189, 2015.

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