

Interactive comment on “Towards convection-resolving, global atmospheric simulations with the Model for Prediction Across Scales (MPAS): an extreme scaling experiment” by D. Heinzeller et al.

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The supplement to this comment contains the MPAS-A(atmosphere) code used to conduct the experiments in this paper as described in the previous comment. The attached MPAS-A code contains several modifications of the original release in order to conduct the experiments presented in the paper and to measure the performance of the individual steps of the model execution.

The release number of the attached code is 3.3, while in the paper release 3.1 is

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mentioned. The differences between the two versions are minimal and purely related to bug fixes and numerical stability. By repeating some of the experiments on different HPC systems, we verified that they have no influence on the measured runtimes and performance of the MPAS-A code.

Please also note the supplement to this comment:

<http://www.geosci-model-dev-discuss.net/8/C1998/2015/gmdd-8-C1998-2015-supplement.zip>

Interactive comment on Geosci. Model Dev. Discuss., 8, 6987, 2015.

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