

Interactive comment on “ASAM v2.7: a compressible atmospheric model with a Cartesian cut cell approach” by M. Jähn et al.

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Many thanks for your response. However I think that you have misunderstood some previous comments. The new test cases that you propose appear to be designed to prove that the model is stable and behaves in a realistic looking manner. However what the reviewers and I would like you to do is to demonstrate the accuracy of the novel aspects of your model in comparison to other established techniques. In order to demonstrate the accuracy, you should do both test cases with analytic solutions and standard test cases that others have done before and compare with very high resolution numerical solutions. I would like to be able to look at your solutions and compare them with others in the literature for the same test case and see both the advantages and disadvantages of the novels aspects of your model.

C1803

For accuracy you should plot convergence with resolution of l2 and linfinity error norms. Not conservation properties.

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C1804