

Interactive comment on “Modeling extreme precipitation over East China with a global variable-resolution modeling framework (MPASv5.2): Impacts of resolution and physics” by Chun Zhao et al.

Anonymous Referee #1

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It sounds like this approach will substantially improve the manuscript.

Also, apologies for not having previously registered that you did indeed comment that future studies should consider more events. This is a good, forward looking comment on what future studies should tackle. It still might be useful to explicitly discuss how focusing on a single event might limit the conclusions to this study. There is no evidence in this manuscript that indicates whether studies of other events (or other types of weather systems) would exhibit the same sensitivities to resolution and micro-physics; however, the fact that this study is consistent with other analyses of resolution

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dependence (particularly with MPAS), suggests that these results would apply to other events. It might be useful to explicitly state something along these lines.

Cheers, Anonymous Reviewer #1

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2018-340>, 2019.

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