

Interactive comment on “The Geoengineering Model Intercomparison Project Phase 6 (GeoMIP6): simulation design and preliminary results” by B. Kravitz et al.

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We thank the reviewer for the very helpful comment: This paper describes the new experiments to be done for the Geoengineering Model Intercomparison Project Phase 6. The paper is worth publishing because it provides important background material to readers interested in geoengineering studies. The one major concern I have is that the experiments are all presented as a global change in forcing without examining the spatial variations in the resulting forcing. This deserves additional discussion in the paper.

We acknowledge that this is a good point. We cannot comment on what those spatial

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variations might be, as we do not have multi-model results for these experiments, but we do agree that it is important to mention that there will be geographical variations in forcing resulting from inter-model differences. All of the Tier 1 experiments now include such a discussion.

Interactive comment on Geosci. Model Dev. Discuss., 8, 4697, 2015.