

Interactive comment on “‘Climate Response Functions’ for the Arctic Ocean: a proposed coordinated modeling experiment” by John Marshall et al.

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4. Availability of freshwater sources and mixing: I think that this is one of important problems for BG simulations and especially in idealized experiments in the closed basins. In the real world it is very possible that saturation of the BG freshwater content could not be reached because of freshwater permanently coming from rivers, precipitation and melting ice and due to mixing. We have a paper in preparation for JGR-Oceans with more detailed discussion about these processes based on both modeling and observations.

6. I think that we have already mentioned this in the paper but I agree that we have to emphasize this for clarity.

C1

Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-316, 2017.

C2