

I thank the authors for addressing my comments, and for finding and correcting the bug in radiative fluxes. The SDM simulation results are improved because of it. I don't have any more suggestions or comments on the manuscript and I'm looking forward to seeing the final version published in GMD.

I had two more questions to the authors, if possible?

- Is the momentum feedback from SDs to fluid important? It seems like it would be a small term in the total budget?
- The authors highlight the benefits of no numerical diffusion associated with the SD method. I was wondering if there is space for actually adding some diffusion into the scheme. For example to represent the effects of the unresolved fluctuations in the sub-grid scale. Based on your intuition, would that be useful?

Thank you!