

# ***Interactive comment on* “Subsurface Initiation of Deep Convection near Maud Rise” by René M. van Westen and Henk A. Dijkstra**

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Received and published: 24 September 2020

Dear Editor, dear Matthew,

Thank you for your assessment of this manuscript. We found the suggestions and the comments of the reviewers helpful. Based on their comments, we performed additional analyses on the CESM simulation. These additional results, in particular those for the daily-averaged vertical diffusivity, further support our hypothesis that subsurface convection plays an important role in MRP formation. We think that these additional findings should be at least reported and hopefully they will convince the reviewers.

We have written a point-by-point reply to the two anonymous reviewers and to Ethan Campbell. We kindly ask you to allow us to submit a revised version of the manuscript.

Sincerely,

René van Westen and Henk Dijkstra

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2020-33>, 2020.

OSD

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