

Interactive comment on “A Last Glacial Maximum world-ocean simulation at eddy-permitting resolution – Part 1: Experimental design and basic evaluation” by M. Ballarotta et al.

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I would like to thank the anonymous referee #2 for reading the manuscript and providing comments on it.

Gerrit Lohmann (Editor) also pointed out whether it is necessary to have two manuscripts. The primary purpose of this study is indeed to investigate the improvements due to taking into account the higher spatial scale in an ocean simulation of the LGM period. This point is actually developed in the past 2 whereas this part 1 focuses on the diagnostic of a glacial state. The referee #1 also mentioned that he/she expected that the paper 1 would be on these improvements. Further investigations and a clean

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comparison between ORCA1 and ORCA025 might be included in a new version of the manuscript.

Interactive comment on Clim. Past Discuss., 9, 297, 2013.