

Interactive comment on “Mid-Pliocene climate modelled using the UK Hadley Centre Model: PlioMIP Experiments 1 and 2” by F. J. Bragg et al.

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The authors would like to thank the reviewers for their helpful comments which have contributed to improving the clarity of this manuscript. In particular, we have addressed these major topics raised by the reviewers:

Latitudinal Temperature Gradients and Polar Amplification: A quantitative assessment of polar amplification has been added in a new table using means taken over polar and equatorial bands. The text has been rewritten around these numeric values in a manner that should be clearer for the reader to follow.

Ocean Circulation South of Greenland: Some expansion of the description of this feature has been added relating to the location of NADW formation.

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Alternative Vegetation in Control Simulation: Section 5.3 has been re-written taking into account various comments by the reviewers to make the explanation here clearer. A standard name has been adopted for the alternate control simulation.

Figures: The legends on the individual sub-figures have been removed and replaced with larger ones covering several plots. Figure 10 has been split as suggested by both reviewers.

Other Comments: For a more detailed response to all comments, please see the attached table.

Please also note the supplement to this comment:

<http://www.geosci-model-dev-discuss.net/5/C411/2012/gmdd-5-C411-2012-supplement.pdf>

Interactive comment on Geosci. Model Dev. Discuss., 5, 837, 2012.

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