

## ***Interactive comment on “The role of orbital forcing, carbon dioxide and regolith in 100 kyr glacial cycles” by A. Ganopolski and R. Calov***

**M. Siddall (Editor)**

mark.siddall@bristol.ac.uk

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Thanks to both reviewers, whose comments are now in.

Both reviewers are in broad agreement that the paper be ultimately published in *Climates of the Past*. There are, however, important issues raised by the reviewers which must be addressed in revision before final acceptance.

Both reviewers comment on how brief discussion is of the baseline simulation and reviewer#2 would like considerably more detail to understand the processes behind the apparent success of this simulation. Given that this is one of a number of papers dealing with simulating glacial cycles currently with CPD and elsewhere, it is key to be able to compare these processes between different approaches. Reviewer#2 would

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also like to see a breakdown of different ice sheet sizes over time.

Therefore the comments require new discussion and new plots with the potential for additions to the main conclusions and abstract. These changes go beyond the superficial but do not require new simulations. I therefore consider these comments as requiring major/minor changes before publication is acceptable.

All of the reviewers comments must be addressed in full in any revision and response.

Best regards,

Mark

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Interactive comment on *Clim. Past Discuss.*, 7, 2391, 2011.

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