



## ***Interactive comment on “Set-up and preliminary results of mid-Pliocene climate simulations with CAM3.1” by Q. Yan et al.***

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We would like to thank Prof. H. Dowsett for useful comments on our manuscript. We have modified the manuscript accordingly, and the detailed responses are listed below point by point:

1. “The authors use both 3.3 to 3 and 3.29 to 2.97 to define the limits of the PRISM time slab used by PlioMIP. It would be best to use the latter. The use of Ma is correct and does not need to be followed by BP”

Response: We agree with the reviewer. We use “3.29 to 2.97 Ma” throughout the paper and delete the word “BP”.

2. “Since the Pliocene is an Epoch, referring to the time interval studied as an “epoch”  
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is confusing. I'd just refer to the mid-Pliocene or mid-Piacenzian.”

Response: Done. We change “epoch” to “mid-Pliocene”.

3. “The PRISM modern or present day SST field is that of Reynolds and Smith (1995). The Schweitzer reference is incorrectly formatted (Survey, G. is not an author) and should not be used to describe the SST field; delete it from text and references.”

Response: Thanks for your comments. We delete the “Schweitzer reference” and use Reynolds and Smith (1995).

4. “I'm not sure where the Amante and Eakins, 2009 reference comes from but the PRISM modern topography is based upon Edwards (1992)”

Response: We change the reference “Amante and Eakins, 2009” to “Edwards (1992)”.

5. “I've provided the citations for the few papers I've mentioned”

Response: All the suggested papers are cited.

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Interactive comment on Geosci. Model Dev. Discuss., 4, 3339, 2011.