

Interactive comment on “

**Methane variations on orbital timescales: a
transient modeling experiment” by
T. Y. M. Konijnendijk et al.**

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The two referees are positive about the scope of the paper. Referee#1 insists on two major assumptions of the paper (sea level and orography). I fully agree with the referee that "many of the assumptions made to simplify the calculations are necessary but should be looked at more critically by the authors ... more comments highlighting the shortcomings of the approach need to be made in the text". Somehow, referee#2

C261

is in line with this comment, although it is expressed in terms of "estimates of these uncertainties and sensitivities".

I invite the authors to carefully take into account these comments, as well as the specific comments from the referees, in their response to them.

Interactive comment on Clim. Past Discuss., 7, 47, 2011.