

Interactive comment on “Late Cretaceous (Late Campanian–Maastrichtian) sea surface temperature record of the Boreal Chalk Sea” by N. Thibault et al.

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Thank you very much for your nice comments on the paper. I'm thrilled that both reviewers liked the paper. I will of course incorporate and mention Gao et al. 2015, *Geology* in the discussion as these continental data reinforce the global trends discussed here. The recent ideas concerning the potential links between sea-level and oxygen isotopes in greenhouse through aquifer eustasy must be of course mentioned and I will add a line in the discussion about this with the proposed references. I think we need to be careful with the new pCO₂ data of Gao et al. I will of course mention them as well but other references are available with PCO₂ data for the late Maastrichtian. Nordt et

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al. (2003) demonstrate lower PCO₂ in calcretes of Texas that correlate with the late Maastrichtian cooling. I will stress better this point in the discussion.

Ok for the technical corrections. Nicolas

Interactive comment on Clim. Past Discuss., 11, 5049, 2015.

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