

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

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