

Interactive comment on “Alkenone isotopes show evidence of active carbon concentrating mechanisms in coccolithophores as aqueous carbon dioxide concentrations fall below $7 \mu\text{mol L}^{-1}$ ” by Marcus P. S. Badger

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Many thanks to the reviewer for their kind word on the manuscript and constructive comments and suggestions. I am happy to make all the minor revisions suggested in a revised manuscript. In common with the other reviewer, this reviewer suggests a need for enhanced introductory and discussion text about CCMs and I am happy to make these additions in a revised manuscript.

The results of Van de Waal et al (2019) are certainly intriguing, but it is difficult to be

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sure how these results apply to much of the interval of my study, as the most relevant haptophyte studied, *Emiliana huxleyii*, is a relatively recent species and has evolved (and in particular become dominant) within the relatively low CO₂ conditions of the Pleistocene.

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