

## ***Interactive comment on “Evaluating the Biological Pump Efficiency of the Last Glacial Maximum Ocean using $\delta^{13}\text{C}$ ” by Anne L. Morée et al.***

**Anne L. Morée et al.**

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Dear Referee #1,

Thank you for your time to provide constructive feedback on our manuscript ‘Evaluating the Biological Pump Efficiency of the Last Glacial Maximum Ocean using  $\delta^{13}\text{C}$ ’. A response to each of the comments is provided in the attached document. Specifically, we propose to include a separate discussion section in a revised version of the manuscript. Here, the concerns of the reviewer on several discussion topics and missing references would be addressed. Additionally, we wish to improve the methods section by clarifying our approach to artificially enhance the efficiency of the biological pump (i.e., Sect. 2.4) and the use of the Bern3D model (new section 2.5).

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Yours sincerely, Anne Morée and co-authors

Please also note the supplement to this comment:  
<https://www.clim-past-discuss.net/cp-2020-7/cp-2020-7-AC1-supplement.pdf>

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Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2020-7>, 2020.

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