

Clim. Past Discuss., author comment AC1  
<https://doi.org/10.5194/cp-2021-98-AC1>, 2021  
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## **Response to RC1**

Dipayan Choudhury et al.

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Author comment on "Marine carbon cycle response to a warmer Southern Ocean: the case of the last interglacial" by Dipayan Choudhury et al., Clim. Past Discuss.,  
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We thank the Reviewer for their constructive comments, which have helped improve the quality of the manuscript. To address their concerns, we have made substantial revisions. Specifically, we have worked on the introduction and discussion sections to emphasize the differences between changes expected in the future and the changes we analyze here based on our Last Interglacial simulation. Detailed responses to the issues raised by them can be found in the attached pdf along with excerpts from the revised manuscript given in boxes.

Please also note the supplement to this comment:

<https://cp.copernicus.org/preprints/cp-2021-98/cp-2021-98-AC1-supplement.pdf>