

Geosci. Model Dev. Discuss., referee comment RC2  
<https://doi.org/10.5194/gmd-2022-188-RC2>, 2023  
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## **Comment on gmd-2022-188**

Anonymous Referee #2

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Referee comment on "Barotropic tides in MPAS-Ocean (E3SM V2): impact of ice shelf cavities" by Nairita Pal et al., Geosci. Model Dev. Discuss.,  
<https://doi.org/10.5194/gmd-2022-188-RC2>, 2023

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Dear Authors,

Thank you for your contribution and the work that you have presented in this manuscript. I have read your paper with great interest. The work presented here falls within the scope of the journal, and the work has been carried out using sound scientific knowledge and principles. Enclosed here are some minor comments

L-25 Please provide reference and citations

Fig 1- can Fig 1a be redrawn? it looks like a sketch

Fig 2 - please improve the figure resolution

Fig 4 - please include x and y axis labels

Apart from these minor comments, the overall work that has been presented is significant, well written, and structured and should be considered for publication as the impact of this work will enable accurate tidal prediction, which will facilitate and enable us to predict global climate variability.