

Earth Syst. Dynam. Discuss., author comment AC6  
<https://doi.org/10.5194/esd-2021-104-AC6>, 2022  
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## Reply on RC1

Jiajun Wu et al.

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Author comment on "Carbon dioxide removal via macroalgae open-ocean mariculture and sinking: an Earth system modeling study" by Jiajun Wu et al., Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2021-104-AC6>, 2022

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Dear referee,

We have updated the colorbar and caption of Figure B1 after the correction of a numerical error in the biomass fresh weight conversion. These corrections in no way change any of the other results in the manuscript, and the biomass numbers are still within the valid range.

The caption of Figure B1 now reads as:

**Figure B1:** MOS biomass distributions. Red lines contour the maximum MOS occupied area during the previous years. The annual macroalgal biomass of MOS in this figure is an average over a 10 year period, which includes times of low and high biomass due to the sinking of biomass. Thus the biomass shown here is less than the biomass shown in Fig. 2a.

Please also note the supplement to this comment:

<https://esd.copernicus.org/preprints/esd-2021-104/esd-2021-104-AC6-supplement.pdf>