

Response to reviews.

Again, we thank the reviewers for their efforts and their positive feedback. The only outstanding comment, from anonymous referee #1 was:

*I only noticed that, although the authors responded positively to my comment on lines 25-29, the sentence was not modified in the revised manuscript.*

Referring to their original comment:

*Lines 25-29: In addition to theoretical models, ocean models and state estimates, the use of coupled models also helped to better understand feedback mechanisms between ocean and atmosphere. I encourage the author to discuss Swingedouw et al. (2007) for an overview of the AMOC feedback mechanisms.*

We believe we had addressed this already, modifying the highlighted section to include the sentence:

*Coupled models (e.g. Swingedouw et al., 2007; Böning et al., 2016; Weijer et al., 2020; Baker et al., 2023; Madan et al., 2023; Baker et al., 2025) help to better understand AMOC feedback mechanisms between ocean and atmosphere, generally predicting AMOC weakening during the twenty-first century, driven by freshwater input and reduced surface cooling – though results still vary widely.*

We hope this is satisfactory.