

Response to Editor Comment: *"1. The ROR database lists the institution of the corresponding author but with a different city than given in the manuscript`s affiliation. Please clarify whether the ROR in the system "Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung (Bremerhaven, Germany)" is still correct. 2. Your reference list includes works "under revision". Such works can be cited upon submission if being available to the reviewers. They should not be cited in the final, accepted manuscript, unless published, accepted for publication, or available as preprint with a DOI."*

Author response:

1) The author affiliation *"Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung, Research Unit Potsdam, Potsdam, Germany"* is correct as written on the manuscript title page.

2) We have corrected all references to Dolman *et al.* (under revision) to Dolman *et al.* (2025). The preprint is included in reference list, and it is our hope that the paper will be accepted soon, as it has already undergone major revisions.