

Dear Editor Jean-Louis,

Many thanks for considering and accepting our responses to the reviewers. We made some minor edits throughout the text for the final-version which can be viewed in the tracked-changes-version. The EM time-series datasets (Brett et al., 2024a) and EM repeated west-east transects data (Brett et al., 2024b) have been submitted to the open data repository PANGAEA (www.pangaea.de) and we are currently waiting on their DOIs to come through. Also, please note that I added a funder in the acknowledgements (Strategic Science Investment Funding (SSIF) supported by National Institute for Water and Atmospheric Research NIWA).

Thanks again for handling our manuscript. We very much appreciate your time and input which has ultimately improved this paper for publishing.

Best wishes,

Gemma Brett (on behalf of all co-authors)

Dataset references

Brett, G. M., Leonard, G. H., Rack, W., Irvin, A., Haas, C., Langhorne, P.J., and Smith, I.: 2018 time-series measurement of land-fast sea ice and sub-ice platelet layer thicknesses from electromagnetic induction soundings in McMurdo Sound, Antarctica. PANGAEA, [data set], DOI pending, 2024a.

Brett, G. M., Leonard, G. H., Rack, W., Irvin, A., Haas, C., Langhorne, and P.J.: Late spring 2018 land-fast sea ice and sub-ice platelet layer thicknesses from electromagnetic induction soundings along repeated west to east transects in McMurdo Sound, Antarctica. PANGAEA, [data set], DOI pending, 2024b.