

Dear Yevgeny Aksenov,

Thank you for the consideration and your time as editor. We have revised the manuscript according to the comments by the referees and our responses to these comments. The main changes regard the shown results now being consistently the same corrected proxy SIT product, an extended discussion on the ice type-sea ice thickness correction using PIOMAS, and the move of the scatterometer data section to the Appendix.

An additional change to the manuscript is that we decided to remove the CAA regions from the PIOMAS ice type-thickness correction, which results in slightly different results in the proxy SIT product and trends.

We hope these revisions are satisfactory.

Kind regards,
Isolde Glissenaar