

Interactive comment on “Subglacial topography and ice flux along the English Coast of Palmer Land, Antarctic Peninsula” by Kate Winter et al.

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Many thanks for your thoughtful comments. We are delighted to receive such a positive response!

As you say, all comments and suggestions are no more than minor, so in this short, early response we'd like to focus on the tasks that may require a little more than a simple text-change:

We will re-run the cross-over analysis to explore the impact of high elevation OIB transits.

The complexity of flux gate selection is something we are very considerate of, so we are glad that you approve of our methods. As different flux gates will always yield

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different flux values, we do not feel that a direct, numerical comparison to previously published flux gate values from different locations (such as Gardner et al., 2018) would be beneficial. We will however look into this in more detail to see if we can include additional information to the paper to address these comments.

The addition of a paragraph about radiostratigraphy is an excellent idea. We will add this in.

Thank you for your positive comments about our figures. We will explore your figure suggestions in due course.

Hopefully this short, early response will give you an indication of how we plan to proceed with paper revisions.

Thanks again,

Kate

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-181>, 2020.