

Interactive comment on “Oligocene–Miocene paleoceanography off the Wilkes Land Margin (East Antarctica) based on organic-walled dinoflagellate cysts” by Peter K. Bijl et al.

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We appreciate the positive assessments by Dr. *Åžliwińska* regarding our manuscript, and her indications as to how to improve our manuscript even further. Dr. *Åžliwińska* posed several concerns and suggestions, which we can definitely use to improve our manuscript.

The most important concern, about the inconsistency in the lithological interpretations between this paper and those in Salabarnada et al., and the absence of a detailed description for the Miocene, have been considered by us. We have reanalysed our data based on a revision of the lithological interpretations and made additional observa-

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tions on the Miocene lithostratigraphy. We now can much better compare the dinocyst assemblages between the lithologies, for the entire record, and this exercise did not fundamentally alter our conclusions drawn earlier.

We respond to the concerns and suggestions point-by-point in the supplement.

Please also note the supplement to this comment:

<https://www.clim-past-discuss.net/cp-2017-148/cp-2017-148-AC1-supplement.pdf>

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2017-148>, 2017.

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