

Interactive comment on “Tie-points for Gondwana reconstructions from a structural interpretation of the Mozambique Basin, East Africa, and the Riiser-Larsen Sea, Antarctica” by Jennifer Klimke et al.

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We thank both reviewers, Carmen Gaina and an anonymous reviewer for their efforts and supportive suggestions. We consider all points as very useful and modified the text and figures accordingly. From the reviewer’s comments, whenever we had the feeling that our previous manuscript was not precise enough, we have modified the text accordingly. This mainly concerns rephrasing and shortening of large parts of the structural interpretation (section 4) and the discussion (section 5). We have also modified the figures and added inset maps to all figures presenting seismic profiles.

For Figure 1, we used lighter colors to make the figure more readable. We also added one closeup view of the faulted oceanic crust and show the features mapped in Figure 8 (now Figure 9) in our schematic reconstruction (Figure 10). As suggested by Referee 1, we added the downlap locations of horizon MJ to Figure 8 (now Figure 9). In the supplement, we list the original reviewers' remarks (black) and our detailed response (red).

Please also note the supplement to this comment:

<https://www.solid-earth-discuss.net/se-2017-80/se-2017-80-AC1-supplement.pdf>

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2017-80>, 2017.

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Discussion paper

