

Solid Earth Discuss., author comment AC3
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Reply on RC2

Mikael Evain et al.

Author comment on "Crustal structure of the East African Limpopo margin, a strike-slip rifted corridor along the continental Mozambique Coastal Plain and North Natal Valley" by Mikael Evain et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2020-209-AC3>, 2021

We would like also to thank Referee #2 for his time to review our manuscript despite the difficulties faced. As mentioned in our reply to Referee #1, we have prepared a new version that will hopefully be easier to read and follow. We fully reviewed our manuscript to improve its clarity and respond to the community and the two referee comments. Among others we can mention that:

-all the figures have been improved for visibility and we paid particular attention they include all geographic localities mentioned in the text.

-we fully reworked our abstract for a more straightforward message

-we clarify our introduction which now better replaces this study within the scope of the larger Pamela Moz3-5 project. We further added an introductory figure presenting a broader geodynamic picture of south-eastern Gondwana breakup

-section 2 on geological settings now clearly mentions existing controversies about the area and further detail geological arguments that support them. Most specifically it includes dedicated paragraphs on the crustal nature of the MCP/NNV domain, the age of the Mozambique basin's oceanic crust and controversies regarding the Mozambique ridge

-sections 3 and 4 now exclusively concentrate on data analysis, seismic modeling and validation of our final velocity model

-section 5 present all our results and our interpretation of the crustal structure of the Limpopo margin. It summarizes our findings before they are discussed in sections 6. We truly hope this will clarify the general message that our manuscript try to convey and how it is supported by geophysical evidences.

Best regards,

Mikael Evain on behalf of all co-authors

