

## ***Interactive comment on “Permian plume beneath Tarim from receiver functions” by Lev Vinnik et al.***

**PhD Beghein (Editor)**

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Dear authors,

Thank you for addressing the comments of Reviewer 2. I have a few requests, based on those comments and your response, to improve the manuscript:

(1) A figure displaying the values in Table 1 would be preferable to Table 1 (also suggested by reviewer 1) as it would give a good visualization of which parts of the study region have a large number of stacks.

(2) The reviewer would like "the authors to try and find other evidence that may indicate whether the tectosphere extends to over 400km depth." and suggests looking at azimuthal anisotropy. I understand this may be difficult to do with your data, but please, include the reviewer's concern and your response in the paper discussion for

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completeness.

(3) Reviewer 2 proposed a change to Figure 5, which I think is good advice. However, I do not understand your response. What do you mean by positive effect? Why couldn't you replace the 400my curve by a 300my curve?

Thank you.

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Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2018-41>, 2018.

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