

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

Lev Vinnik et al.

yangfandeng@gig.ac.cn

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A rigorous and objective scientific paper should discuss and/or test all possible hypotheses. If some hypotheses have been dismissed by others in previous papers, it does not mean that your own data are incompatible with these other hypotheses. If they are, it is still worth discussing in a sentence or two of sentences for completeness. I strongly suggest you include a short discussion on this subject so that I can make a decision about this manuscript. Thank you.

Thanks for your suggestion. We have added the corresponding discussion in Line 40-42: “Jasbinsek et al. (2010) speculated that the low velocity atop the 410-km discontinuity may be an effect of anisotropy or subducted oceanic crust but they failed to provide any supporting observation.”. The reference is also added in the reference list.

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Please also note the supplement to this comment:

<https://www.solid-earth-discuss.net/se-2018-41/se-2018-41-AC5-supplement.pdf>

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

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