

Interactive comment on “Teleseismic P-waves at the AlpArray seismic network: Wave fronts, absolute traveltimes and traveltime residuals” by Marcel Heinz Paffrath et al.

Anonymous Referee #1

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This research work is the data preparation for seismic tomography of the region beneath the AlpArray Seismic network. The authors have presented how the absolute traveltimes and differential traveltimes are obtained. I am quite interested in reading these details. I only have one suggestion. Please include one geologic map to show the tectonic settings of the study area, showing the color-coded seismic networks. The others are some minor suggestions or corrections.

1. In the title it may be better to say differential traveltimes instead of traveltime residuals. Many readers consider traveltime residuals as the difference between the observed and theoretical traveltimes.

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2. Line 3. Teleseismic delay time tomography is not often used or seems to be informal. I would prefer teleseismic travelttime tomography.

3. Line 146. Delta tau j B is not defined or explained as well as Delta T j B.

3. Line 183. the signal-to-noise ratio and and the difference. Remove the extra and. I am looking forward to seeing your tomographic results.

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-189>, 2020.

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