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

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Dear Marcel and co-authors,

Firstly, congratulations for this interesting and very detailed piece of work. I look forward to seeing the results of the inversion of travel time residuals published.

I have 2 suggestions and 1 question on your preprint.

The 2 suggestions deal with the origin of data and the citations of contributing networks:

1- in section 2, you write that "23 ocean bottom seismometers (were) deployed by the LOBSTER project". This is incorrect and I would be grateful if you could correct that sentence.


Please also correct the reference to LOBSTER in the caption of Fig. 10. This sentence should be modified to something like: The ocean-bottom seismometers of the temporary Z3 network in the Ligurian basin are also...

2- your citations and references to seismic networks do not follow the rules of the Federation of Digital Seismic Networks (FDSN) described in http://www.fdsn.org/pdf/V1.0-21Jul2014-DOIFDSN.pdf. Again, I would be grateful, on behalf of all those who acquire and distribute data, if you could correct these citations.


The website http://www.fdsn.org/networks/ indeed provides all the citations for all networks in a number of formats, including BibTeX.

Finally, the question deals with data preprocessing. In section 2.1, you only mention...
bandpass filtering in 2 different frequency bands, the high-frequency one being selected specifically to reduce oceanic noise on OBS records. Does this mean that you did not correct the records for instrument response? If not, did you check that the responses of the broad variety of instruments used in the dataset are flat in the 0.03-0.1 Hz band?

Thank you in advance for taking these remarks into consideration.