

Interactive comment on “Traces of the crustal units and the upper mantle structure in the southwestern part of the East European Craton” by I. Janutyte et al.

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Received and published: 20 May 2014

We thank Y. Yang for constructive comments, please find our replies below:

- 1) We modified Fig. 3 and enlarged the text in the legend. (Fig. 1 in this response)
- 2) We modified Fig. 9 and added the damping values on a curve. As an optimal damping value we used 80. This information will be added to the figure caption in the paper. (Fig. 2 in this response)
- 3) In the Resolution chapter we shortly discuss the hit matrix method and the checkerboard test used in order to see which parts of the synthetic model can be resolved.

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The ± 4 % velocity difference (compared to the IASP91 velocity model) of the synthetic blocks was chosen. The value of ± 4 % is not a velocity uncertainty, but a velocity contrast added to our synthetic model (during the checkerboard test).

Interactive comment on Solid Earth Discuss., 6, 985, 2014.

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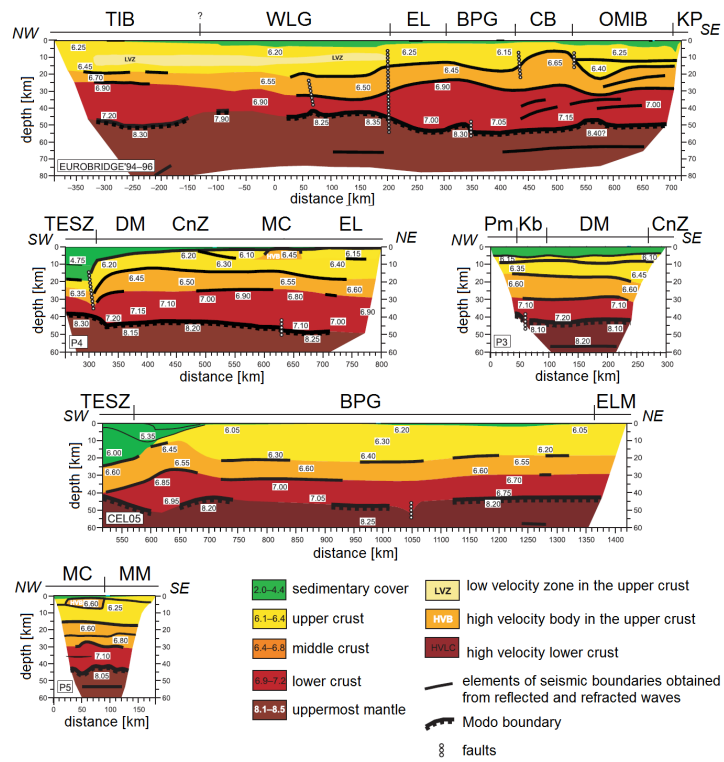


Fig. 1. Modified after Fig. 3 presented in the paper.

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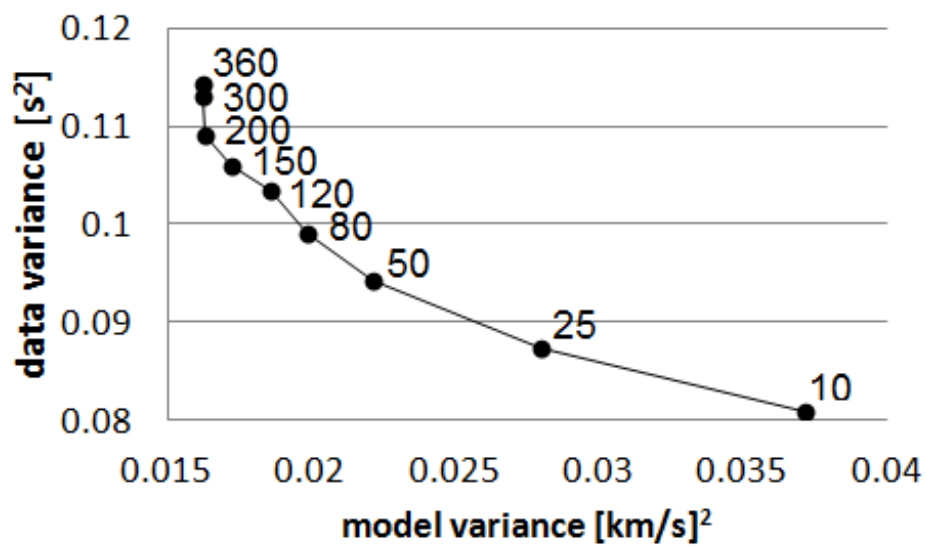


Fig. 2. Modified after Fig. 9 presented in the paper.

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