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Interactive comment on “Nature of orogenesis and volcanism in the Caucasus region based on results of regional tomography” by I. Koulakov et al.

I. Koulakov et al.

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To the editorial board of Solid Earth Manuscript se-2012-18 by I.Koulakov et al., Nature of orogenesis and volcanism in the Caucasus region based on results of regional tomography

Dear Editor, Dear Reviewers,

We are very grateful for your friendly and constructive comments. We took into consideration most of them which required considerable work to be done including some new calculations. In particular, as the problem of the resolution caused a lot of remarks of both reviewers, we have added two tests: one with a finer checkerboard (Figure 6) and

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another one with exploring the effect of vertical smearing of crustal anomalies (Figure 7). We have also done additional work on the literature search, as suggested by the reviewers. As a result, we find that the comments of the reviewers helped us to improve the paper.

We would be grateful if you further consider our corrected paper for publishing at Solid Earth.

The detailed answers to the comments of reviewers are given in the rebuttal letter. All the corrected parts in the manuscript are highlighted with red.

IN THE SUPPLEMENTARY FILE WE INCLUDE THE MERGED VERSION OF THE SUBMISSION WHICH CONTAINS: 1. REBUTTAL LETTER 2. TEXT OF THE MANUSCRIPT WITH HIGHLIGHTED CORRECTIONS 3. FIGURES WITH CAPTIONS

Best regards,

Ivan Koulakov, on behalf of the coauthors 10 of September, 2012 Novosibirsk, Tbilisi

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/4/C392/2012/sed-4-C392-2012-supplement.pdf>

Interactive comment on Solid Earth Discuss., 4, 641, 2012.

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