

Interactive comment on “Features of the Earth surface deformations in Kamchatka peninsula and their relation with geoaoustic emission” by I. A. Larionov et al.

I.Yu. Koulakov (Editor)

koulakoviy@ipgg.nsc.ru

Received and published: 13 October 2014

Dear authors,

I am happy to see that your paper has led to a constructive discussion. I see that two reviewers, B.A. Leybourne and Giovanni P. Gregori, are quite positive about your contribution. They only indicated a few minor points that will probably be easily corrected in the updated version of the paper.

However, the comment of the anonymous reviewer #2 is much more critical. Some of the critical points require considerable additional work including field observations. I understand that at this stage it is hardly possible to fully address all these points regard-

C1139

ing financial limitations and other reasons. In my opinion, this paper can be published based on the existing dataset. At the same time, I encourage the authors to consider very seriously all the reviewer's remarks. In particular, I would recommend adding the discussion on the influence of the meteorological effect and presenting some examples from the literature showing the importance of this factor. It would be important to estimate an error which can be expected due to ignoring this factor. I find fair the comment on insufficient statistical analysis regarding the correlation of the presented measurements with occurrence of seismic events. In the reply, the authors give interesting numbers on the forecasting capacity of this method. I think it would be interesting if these numbers are presented in the new version of the paper and are grounded by references to the authors' experiments and/or to other studies. Finally, similarly as all reviewers, I recommend presenting commonly accepted magnitude values instead of the energy class.

The answer to every point should be presented together with the corresponding reviewer's comment. The replies should also provide the exact references to the manuscript (page, line or figure) where the corrections were made. In the text of the paper, the corrected parts should be highlighted with another color.

Interactive comment on Solid Earth Discuss., 6, 2401, 2014.