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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Earthquake and hurricane coupling is ascertained by ground-based laser interferometer and satellite observing techniques" *by* M. N. Dubrov et al.

Anonymous Referee #1

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The manuscript by Dubriv M.N. and co-authors describes correlation between earthquakes and cyclones using ground-based laser interferometer data. I found the paper presents interesting topic. However I think the style, English of the paper needs improvement. The meaning of the sentences is hard to understand due to the bad language. Also, there are several aspects which need improvements.

Major comments.

The authors miss to write about satellite techniques/data. It is not clear how and what kind of satellite techniques they used. The data analysis done on the data from seismo-

gravimeter, tilt meter and laser strain meter installed far away from target areas in Moskow region. Is there any estimation of the influence of distances on the records? May you provide the information about depth of installed laser strain meter and estimation of record noises? I guess, the statistical analysis of seismo-gravimeter, tiltmeter and laser strain meter can be useful in conviction of results. Reference sources sometimes are poor in the paper. I would like to suggest adding references in the next places: page 936, line 18; page 941, line 14 etc. Also, I found the result and discussion sections are mixed sometimes.

Minor comments.

Please, check your presentation of references in the text. For example, page 942, line 11 etc. Some abbreviations are not defended, for example page 943, line 23, SW. Fig. 2. Description of diagrams is not clear. It will be nice if authors can keep same style for Fig. 2 (right) and Fig. 4. I would like to suggest to authors to improve quality and description of Fig. 5 (b,c) and add information about earthquakes in Fig. 6.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 935, 2014.