

Interactive comment on “Candidates for multiple impact craters: popigai and chicxulub as seen by EGM08, a global 5' × 5' gravitational model” by J. Klokočník et al.

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After reading the review and comment posted online it is clear that this manuscript is still worthy of publication in Solid Earth, but will require a substantial revision that focuses on the fact that the analysis of EBM08 is able to detect features such as second impact craters, or as discovered in this case at Chiculub, can detect a previously existing basin. This revision will provide important information to the community. First of all, one needs to be careful in interpreting the EGM08 data, because although it has the resolution to detect these kind of features, additional data (such as seismic and/or drilling) to verify the geologic interpretation. Second, and more importantly, the abil-

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ity to search for buried basins and other impact craters, can quickly be done with the EGM08 data, but with the caveat that additional independent data need to be collected. This result is what makes the authors analysis of the data so useful for future studies of the whole Earth; It shows what can be done and what to be careful of. I believe a quick revision and resubmission of this manuscript will make this a very important contribution to SE. I encourage the authors to do this, because I would like to see this as an Solid Earth article.

Interactive comment on Solid Earth Discuss., 2, 69, 2010.

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