

Interactive comment on “Plate tectonic raster reconstruction in GPlates” by J. Cannon et al.

Anonymous Referee #2

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This manuscript outlines a method implemented in GPlates for sampling raster data sets at arbitrarily-high resolution. The manuscript mostly describes the technical aspects of the methods, and presents some examples.

The manuscript is well written; figures are clear and all necessary.

My overall impression is that this manuscript would ideally belong to a technical journal on computer models and methods, although I recognize that the main target of GPlates is an audience in solid earth. One suggestion might be to turn to GMD (also from the EGU suite).

I have only one main comment. In the abstract (first sentence), the reader gets the impression that GPlates permits to render data sets at arbitrary resolution. I suggest making clear the distinction between computer and data resolution. I guess authors refer to the former, while the actual data resolution remains fixed. Instead, this seems

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to be clear throughout the rest of the manuscript.

Minor comments:

Sentence at 19-23, p.794 reads too long. So does 8-11 at 795.

14 at 795. ‘Secondly, ...’.

I suggest breaking Section 6 into Discussion (until 4 at 816) and Conclusions (from there on).

Interactive comment on Solid Earth Discuss., 6, 793, 2014.

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