

Interactive
Comment

Interactive comment on “Did Adria rotate relative to Africa?” by D. J. J. van Hinsbergen et al.

Anonymous Referee #2

Received and published: 30 April 2014

This is a relatively well-written manuscript that deals with the long-lasting question on the motion of Adria vs. Europe and Africa. The authors present new palaeomagnetic data and discuss alternative kinematic scenarios. The fact that some of their data are dismissed adds a bit of uncertainty to the robustness of their conclusions. Nevertheless, I think that combining with the analysis of published palaeomagnetic data, the authors present a compelling case for very minor CCW rotations of Adria w.r.t. Africa since the Oligocene, and no significance rotations of North Adria relative to South Adria.

I think that the manuscript can be published after minor revisions.

The Abstract should be improved. In its current form, it is difficult to understand what the enigma is all about. What exactly are the end member scenarios and how they were determined? How were the new data used to test these scenarios?

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Additional minor comments, that could possibly help the authors when producing a revised version of the manuscript, appear in an attached annotated version of the manuscript.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/6/C349/2014/sed-6-C349-2014-supplement.pdf>

Interactive comment on Solid Earth Discuss., 6, 937, 2014.

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6, C349–C350, 2014

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