

Interactive comment on “The enigmatic curvature of Central Iberia and its puzzling kinematics” by Daniel Pastor-Galán et al.

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Response to Anonymous Referee #1 (R1 hereafter)

We want to thank R1 the time invested in the review and the nice words about our manuscript.

We have followed all the suggestions and corrected all typos marked in the annotated PDF. We have also reviewed the text as indicated by R1 and identified some other mistakes.

R1 points out that the available structural information is not so relevant as the paleomagnetic one to rule out the Central Iberian curve as a secondary orocline. Following R1 recommendation, we highlighted the milestones and limitations of the structural

C1

analyses in the Central Iberian curve in section 6 Get Back: Ideas flowing out and endless questions:

‘In addition are the curved traces of C1 fold-axes, whose geometry and kinematics are reasonably well constrained around Galicia Tras-os-Montes (e.g. Dias da Silva et al., in press), but in many other areas their strong curvature remain largely unstudied (Fig. 2) and therefore, to date we can only speculate on their origin.’

Finally, R1 is right on the previous figure 11. We agree it is not a fully necessary figure and their content is properly described and referred in the text. We have removed this figure from the revised version of the paper.

Daniel Pastor-Galán on behalf of all co-authors

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-51>, 2020.