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## ***Interactive comment on “Oblique collision and deformation partitioning in the SW Iberian Variscides” by I. Pérez-Cáceres et al.***

**Anonymous Referee #2**

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Review on “Oblique collision and deformation partitioning in the SW Iberian Variscides” by I. Pérez-Cáceres, J. F. Simancas, D. Martínez Poyatos, A. Azor, and F. González Lodeiro This is a good paper dealing with the long time discussion on the magnitude of the large strike-slip movements during the Variscan orogeny in SW Iberia. The paper is properly designed and clearly written although some changes should be done in order to be completely acceptable for publication. In my opinion, despite the authors insist throughout the text that the results presented are only estimations, a more robust treatment should be done, especially with regard to the errors associated to the values used when assigning different values to the parameters used in their modeling. This would provide the obtained results with  $\pm$  displacement errors, which would help the reader to evaluate the range of displacements presented more clearly. In the case

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of some of the parameters used in the modeling it is not clear why a certain value has been used and this should be also discussed when assigning it (see annotated PDF). Another issue is the presence of a large amount of figures that are identical to the Pérez-Cáceres et al., although most of them are necessary, some changes and/or proper referencing should be included in them (see annotated PDF). Please find attached an annotated file which I hope will be of use and interest to the authors in order to perform the necessary corrections.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C2047/2016/sed-7-C2047-2016-supplement.pdf>

Interactive comment on Solid Earth Discuss., 7, 3773, 2015.

**SED**

7, C2047–C2048, 2016

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