

Interactive comment on “Resolving uncertainties in the application of zircon Th / U and CL gauges to interpret U-Pb ages: a case study of eclogites in polymetamorphic terranes of NW Iberia” by Pedro Castiñeiras et al.

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Reply to the comments by M. F. Pereira Referee #1 (19 May 2020)

We want to thank the work and constructive comments made by Professor Pereira. Most of the suggested corrections in the annotated PDF supplement are reasonable

C1

and will be accepted in a corrected version of the manuscript. Similar action will be taken with general comments to the manuscript because we believe they will improve both the quality and impact of our research.

In particular we will try to improve the microstructural information, making clearer mineral interaction and textural context. As suggested in chapter 5.3, the text will be modified to adjust to referee’s comments.

Fig 5 will be modified to make it more understandable in the context of the general tectonothermal evolution. This will be correlated with a better discussion of the meaning of the different ages (Ar-Ar / U-Pb) point we agree it is not completely solved in the region, but our data might shed some light on it.

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-53>, 2020.

C2