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Interactive comment on "Dawn and Dusk of Late Cretaceous Basin Inversion in Central Europe" by Thomas Voigt et al.

Jef Deckers (Referee)

jef.deckers@vito.be

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Dear Editor,

It is a very valuable work that adds a lot of knowledge on the inversions in central Europe. The article is well written and provided with nice illustrations.

My main comment is that more literature from the surroundings has to be considered for establishing the timing/dynamics of inversion pulses or phases. I see very few citations of literature from the Netherlands and Belgium, while in these regions several papers were recently written on the dusk of inversion which could/should be integrated. In fact the authors struggle with pinpointing the dusk of inversion(s), so the article could strongly benefit from knowledge on this topic from the surrounding areas. Instead

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of discussing the dawn of inversion based on solely the results of their study area, it would be better if the authors compared the timing with those established in the surroundings in order to either confirm or contradict the existing literature on that. The authors also found several indications for Late Cretaceous inversion pulses (distinct Santonian-Campanian and Maastrichtian phases?) which could be highlighted more in the paper. Also on this possible distinct Maastrichtian pulse, literature exists from the Netherlands and Belgium.

Another important comment is that the article would benefit from a figure that provides a general overview on the stratigraphy in the different troughs or inverted structures.

Please find my comments on the text and figures in the PDF in attachment.

Best regards, Jef Deckers

Please also note the supplement to this comment:

https://se.copernicus.org/preprints/se-2020-188/se-2020-188-RC2-supplement.pdf

Interactive comment on Solid Earth Discuss., https://doi.org/10.5194/se-2020-188, 2020.