

Interactive comment on “Reverse time migration (RTM) imaging of iron-oxide deposits in the Ludvika mining area, Sweden” by Yinshuai Ding and Alireza Malehmir

Anonymous Referee #2

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This article presents Reverse-time migration applied to Ludvika mining area seismic reflection data. The article contains some interesting view points but it remains in a level of "least publishable unit": most interesting ideas such as AVO/AVA are just briefly mentioned and left for future studies, also more detailed testing of influence of different processing and migration velocity field.

In the current form, this article provides very little new interesting insight to the reader. If the ideas presented were developed and discussed in more detailed and scientific manner, this could make a really interesting paper. From the view point of the data interpretation, it remains unclear if this study brought any new insight into the geology

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compared to previous work published about the same dataset.

Attached file contains more detailed comments and suggestions for authors to improve their work.

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2020-181/se-2020-181-RC2-supplement.pdf>

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-181>, 2020.

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