

Interactive comment on “Shear wave reflection seismics yields subsurface dissolution and subsrosion patterns: application to the Ghor Al-Haditha sinkhole site, Dead Sea, Jordan” by Ulrich Polom et al.

Anonymous Referee #1

Received and published: 23 May 2018

I congratulate the authors on a very nicely presented study. The work is relevant to both local community and a more general scientific community worldwide. The research topic has been well introduced, previous research discussed and relevance of the study clearly highlighted. This was done in very systematic and easy to follow manner.

My main concern with the manuscript relates to the data processing part. This part needs to be redone with respect to detailed comments in the pdf file attached. In the current state of the manuscript, part of the reflectivity seen on the stacked sections looks real, while parts more appear as processing artifacts. This needs to be corrected

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and I have left specific comments in the pdf file attached.

When it comes to the data interpretation and discussion, both have been done in a very well structured, comprehensive and systematic way. The findings have been thoroughly scrutinized and scientific relevance clearly shown.

Conclusion follows a logical tread with clearly summarizing the main findings of the study and showing its relevance. Same is true for the abstract.

Please also note the supplement to this comment:

<https://www.solid-earth-discuss.net/se-2018-22/se-2018-22-RC1-supplement.pdf>

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2018-22>, 2018.

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