



EGUsphere, referee comment RC4  
<https://doi.org/10.5194/egusphere-2022-180-RC4>, 2022  
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## **Reply on RC3**

Anonymous Referee #1

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Referee comment on "Strato-structural evolution of the deep-water Orange Basin: constraints from 3D reflection seismic data" by Nombuso G. Maduna et al., EGU sphere, <https://doi.org/10.5194/egusphere-2022-180-RC4>, 2022

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It is certainly correct that the authors use industry data, which show characteristic industry acquisition and processing parameters. However, those must not be ignored when interpreting the data. You can speak on high-resolution data, when the data has been resampled to 4 ms. You cannot interpret reflection amplitudes, which have been subject to several phases of deconvolution and time variant scaling. Furthermore, the lateral and vertical resolution are fixed terms. You cannot modify those Physics concepts according to your needs.

So, I still suggest to use much more caution in inter[re]ting the data and not get carried away by the possibilities of an interpretation software and complex attributes.