

Interactive comment on “Fracture attribute scaling and connectivity in the Devonian Orcadian Basin with implications for geologically equivalent sub-surface fractured reservoirs” by Anna M. Dichiarante et al.

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We thank Roberto Rizzo for his comments, which we will take into account in our revisions.

With regard to fracture length, we measured the entire visible length of each fracture intersected by the scan-line across 4 scales namely:- thin section (microscale), outcrops (mesoscale), aerial images (sub-regional) and google earth image (regional). The length data for the fractures are affected by censoring where they extended be-

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yond the limit of the exposed area. The scale at which the fractures were sampled determined the censoring and truncation effects in each dataset.

We can incorporate the ‘checkerboard diagrams’ and their explanation in the main body of the text in our revised version as suggested. We agree that these are a useful way to determine the truncation points and help to decide which distribution best describes the data.

We will correct in the revised version any misuse of the term population when it should be sample.

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-15>, 2020.

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