

***Interactive comment on* “The role of pre-existing jointing on damage zone evolution and faulting style of thin competent layers in mechanically stratified sequences: a case study from the Limestone Coal Formation at Spireslack Surface Coal Mine” by Billy J. Andrews et al.**

Billy J. Andrews et al.

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Received and published: 4 July 2020

Dear Bailey Lathrop,

We would like to thank you for your in depth review of our manuscript ‘The role of pre-existing jointing on damage zone evolution and faulting style of thin competent layers in mechanically stratified sequences: a case study from the Limestone Coal Formation at Spireslack Surface Coal Mine’. Please find attached our response to your comments as

well as the response to reviewer #1. The suggestions and comments have helped us greatly improve the structure and clarity of our work and we hope that the restructure, and improved clarity of the text means it can be accepted for publication in Solid Earth. Although we agree that the outcrops at Spireslack SCM represent an interesting insight into the growth of strike slip faults, we felt that we missed vital datasets (e.g. D-L measurements) to compare to normal fault growth models. We have therefore not elaborated on these points in the revised manuscript but would be happy to discuss these points further in the future.

Many thanks, Billy J Andrews

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2019-202/se-2019-202-AC2-supplement.pdf>

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2019-202>, 2020.

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Discussion paper

