

***Interactive comment on* “Simulation of Fragmental Rockfalls Detected Using Terrestrial Laser Scans from Rock Slopes in South-Central British Columbia, Canada” by Zac Sala et al.**

Zac Sala et al.

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Thank you for taking the time to review our paper. We appreciate the feedback, and kind words regarding our manuscript and applicability of our study.

1) Monitoring started at the site as early as 2012. Regular scans have been collected since 2014 and typically occur seasonally (approx. every 3 months). In addition to this seasonal scanning, some auxiliary data collection campaigns have collected scans at higher frequencies (daily – weekly) to support correlation with precipitation events, as well as look at smaller scale debris movements in debris channels on slope. The imagery and TLS data used for the rockfall events in this paper were from 2015 and

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2016.

2) While there was overlap in the TLS and ALS data acquisitions, only two ALS acquisitions have taken place. They have not been compared for bias in this case, instead the ALS has been used mainly as a regional dataset for sections of railway corridor where we don't regularly collect TLS data. Additionally, the ALS has been used in certain studies to fill in holes in the data where incidence angle and vegetation results in occlusions in the TLS data.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-321>, 2019.