

***Interactive comment on “Current glacier recession causes significant rockfall increase: The immediate paraglacial response of deglaciating cirque walls” by Ingo Hartmeyer et al.***

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We thank Alison Anders for her constructive and thoughtful comments. We will respond in more detail after the discussion period and will integrate her suggestions in a revised version of the manuscript.

Several of the points raised are covered in the companion study “Enhanced rockwall retreat and modified rockfall magnitudes/frequencies in deglaciating cirques from a 6-year LiDAR monitoring” (<https://www.earth-surf-dynam-discuss.net/esurf-2020-9/>), especially the relationship between the discontinuity orientation and the rockfall activity observed. In the revision we will strengthen the link between the two companions. A

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far more detailed study on rock temperature, active layer evolution, and microclimate is currently underway.

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