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Interactive comment on "Seismic detection and tracking of avalanches and slush flows on Mt. Fuji, Japan" *by* Cristina Pérez-Guillén et al.

Anonymous Referee #1

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In this paper, the authors investigate seismic recordings generated by snow avalanches on Mt. Fuji in Japan. Signals recorded on a dense permanent seismic network are analyzed using the amplitude source location method (ASL) to track the flow path of the avalanches. While this method has been used to localize mass movements such as rockfalls, lahars or debris flows, it has never been used on snow avalanches. Using field observations and numerical avalanche simulations, the authors then estimate the precision of the localization. The paper is well written and structured and the results convincingly show that ASL can be used to track large and destructive snow avalanches. I recommend to publish the paper pending some minor revisions which are detailed in the annotated pdf.

Please also note the supplement to this comment:
https://www.earth-surf-dynam-discuss.net/esurf-2019-25/esurf-2019-25-RC1-supplement.pdf

Interactive comment on Earth Surf. Dynam. Discuss., https://doi.org/10.5194/esurf-2019-25, 2019.