

# ***Interactive comment on “Bedload transport measurements with Swiss impact plate geophones in two Austrian mountain streams (Fischbach and Ruetz): system calibration, grain size estimation, and environmental signal pick-up” by Dieter Rickenmann and Bruno Fritschi***

## **Anonymous Referee #1**

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**General comments** This paper reports measurement results of bedload transport with Swiss plate geophones in two mountain streams in Austria. The authors focused on calibration, grain size estimation and noises included in the recorded data. Their calibration was carried out by direct sampling. The results help researchers who are working on similar topics at different streams.. The description of the environment noise (3.3) is reasonable and interesting.

**Specific comments** Please show the basket bedload sampler by a figure or a photo.

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Please show the grainsize distribution of the bed surface measured by a line-by – number analysis. Is there any hysteresis about grain size and bedload flux relationship? It is difficult to understand; lines 257-262.

Technical corrections. What is ‘ nival’ at line 69?

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