

Interactive comment on “Exploiting LSPIV to assess debris flow velocities in the field” by Joshua I. Theule et al.

Joshua I. Theule et al.

joshua.theule@terralpconsulting.com

Received and published: 5 October 2017

General Remarks

Thank you for the supporting review. The minor corrections are mentioned below

Detailed Response:

—

p.1, line 30: no hyphen in debris flow

- Modified

—

C1

p. 2, line 55: avoid repetition of vary. Maybe use "...different surges can vary..."

- Modified

—

p. 15, line 272: insert "laterally" before "deposit"

- Modified

—

p. 16, line 77: write "debris-flow front", with hyphen and -r

- Modified

—

p. 17, line 279: write "debris-flow LSPIV velocity...", include mean/average to the figure caption and add a value of the temporal rate/point density of the red, yellow and blue line

- Modified

—

p. 18, line 290: there seems to be missing something in this sentence. Please check

- It seems complete, without any lengthy wording.

—

p. 19, line 299: reformulate the sentence. Maybe start with "We suspect, we hypothesize..."

- Modified to "We suspect"

—

C2

debris flow with hyphen when used as adjective, e.g. p. 21, lines 341, 355 or p. 22, lines 359 and 360

- Modified

—

It is not described well enough how much the effort is and how good the foundations must be for the accuracy to be achieved.

- Mean differences with the radar sensors are restated in the conclusions. It is difficult to say how much effort is required to get these accuracies, we provide a field example, more study sites are needed to provide better guidelines.

—

Citations: Please add the new paper by Jacquemart et al. to your introduction. Maybe just add "...the application of LSPIV from video images on debris flows..." to p.2, line 60.

- Citation is added

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-182>, 2017.