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

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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

- 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, line290: 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 hypothe-
  - Modified to "We suspect"

C1

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