

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC1  
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## Reply on RC1

Stuart R. Mead et al.

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Author comment on "Quantifying location error to define uncertainty in volcanic mass flow hazard simulations" by Stuart R. Mead et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-49-AC1>, 2021

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Thank you for your review of our manuscript, we have addressed your comments as follows:

*1. Line 262 and beyond doesn't read well – referring to values up to a 10 m flow depth – may be better explained by "The depth cut-off values are the thresholds to convert simulated flow depths..."*

The repetition of depth is confusing here and is better defined as an 'inundation threshold'. We have changed the text to use 'inundation threshold', the value of which defines the inundated/not inundated classification.

*2. Line 335, "and" should be "an"*

Changed to 'an'