

Dear Editors,

I made minor grammatical edits and fixed the two technical corrections identified by Reviewer Stuart Grieve.

I am not seeing a place where I can change the manuscript type from Short Communication to a regular Research Article. Are you able to make this fix on your end. Thanks.

Cheers,
Matt

Reviewer 1: Stuart Grieve

I'd like to thank the author for their diligent redrafting of this manuscript following comments from myself and another reviewer. In general I am really pleased with the new, more focused, manuscript which has a clear message about the use of binary classifiers within geomorphology. A major issue I had with the original version of this manuscript was in the mixed focus between bedrock emergence and binary classification. The author has now addressed this, and the result is a much stronger, more broadly relevant contribution. The expansion of the work considering systematic error and feature shape is an excellent addition to the manuscript and presents an interesting avenue for future research in this area.

Going through the manuscript and the author's response to review comments, I am happy that this revision addresses all of my prior concerns and I look forward to seeing this manuscript published in due course.

I spotted a couple of minor issues that should be sorted prior to publication:

Figure 1C's title reads "Sant Cruz" rather than "Santa Cruz".

Fixed.

Figure 2B's confusion matrix is difficult to read as one of the sections is a white text on a yellow background.

White text is now outlined in black to help with yellow square.