

Interactive comment on “Bed topography of Princess Elizabeth Land in East Antarctica” by Xiangbin Cui et al.

Xiangbin Cui et al.

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We thank both referees for constructive and supportive reviews.

For referee 1, we will use Bedmachine Antarctica in addition to Bedmap2 to highlight the improvements in our depiction of Antarctic bed topography. We don't see any major changes to the outcomes of the paper, as Bedmachine Antarctica does not use the new data reported here.

On hydrology, again, we will use an alternative flow router. The purpose of our examination of hydrology is merely to explain how calculations of water routing will be affected by the new topography. We don't see any major changes to the outcomes of the paper here either.

C1

On statements about this being the final section of bed to be covered by RES data - we stand by that, and we feel it would be of interest generally to point this out.

For referee 2 (Rob Bingham), there are very few changes required. We will reduce mention of the various institutions, as recommended. We will also make minor edits suggested in a pdf version of the paper supplied by the referee.

In making these changes, we feel the paper will be tightened up - and improved - but not altered substantially.

Again, we really appreciate the time spent on reviewing our work.

Martin Siegert 6 Sept 2020

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C2