

Review of van Pelt and Frank (2024) ‘New glacier thickness and bed maps for Svalbard’

Summary

I reviewed the first iteration of this paper and recommended major revisions based on several areas of method and discussion in the original manuscript that required clarification to be understandable. I am very pleased that the authors took these comments on board in a very thorough response and set of revisions to the manuscript that deal well with my earlier concerns. As I'd hoped, it was primarily a case of more explanation required rather than anything else. Consequently, I have no further issues with the paper (beyond a few very small typos) and can recommend it for publication. Congratulations to the authors on their work!

Page and line numbers refer to the clean version of the revised manuscript.

Major Comments

None

Minor Comments

- p.17, l.350: ‘help’ not ‘helps’ if I’m being very picky.
- p.18, l.377: ‘the generated thicknesses between the observations’
- p.19, l.378: ‘only used to constrain global parameters’