

The corrections and changes made by the authors have greatly strengthened this manuscript. The manuscript reads well now and key gaps have been satisfactorily addressed. In particular, the uncertainty analysis has been addressed and discussed and the transferability of the method improved. The approach of using a melt model to inform the correction of Ba from photogrammetric DSMs for years without UAV surveys should prove a valuable contribution to the glaciological community. I believe that the manuscript can be published as is and leave it to the discretion of the editor and other referee whether any minor changes should be made.

#### Minor points

L215 Change “intense glaciological surveys” to “detailed”, “rigorous”, or “thorough”.

L543 Perhaps only recommend adjusting the density of firn, the density of ice is generally assumed to be unchanged between regions.

L648 I would avoid stating that this is the main disadvantage of photogrammetry since the associated biases and errors were not investigated here, get right to the point.