

## Authors' response

Dear Editor Daniel Farinotti,

We thank you for the comments and suggestions. We implemented the text accordingly. We also considered the comments from reviewer #3.

We could not provide an estimate of the uncertainty caused by water accumulation. Several parameters, such as the scattering and time-to-thickness conversions, would interfere with the measurements. We precise the text by mentioning that the presence of water would cause underestimation of the ice thickness.

We migrated our datasets in the public geophysical database of the Geological Survey of Norway (<http://geo.ngu.no/GeosciencePortal/search>). NGU policy is that our datasets and services are open, accessible and free for downloading. This approach secure usage of our data for civil purposes to the maximum extent. We develop standardized data deliveries and services for national and international management through active participation in Norway Digital and work with The Public Map Data (DOK). This work is in accordance with applicable standards and guidelines given in the Geodata Act and related regulations. The Geodata Act implements Directive 2007/2 / EC of 14 March 2007, establishing an Infrastructure for Spatial Information in the European Community (INSPIRE) as a directive in Norwegian law.

Many thanks for the help you have provided to us during the revision process.

Best regards,

Marie-Andrée Dumais and Marco Brönnner