

Response to editor

The author's have adequately addressed all of the referees suggestions and concerns. I recommend publication after some very minor technical corrections, listed below:

We would like to thank the editor.

Line 84 – should this read “three RAMSES-ACCVIS sensors”

Thank you for you comment, it has been changed accordingly.

Line 206 – enhanced

It has been corrected.

Line 248-9 – wrong reference style is used here

Thank you for pointing out this error, it has been corrected.

Line 290 – “loss” not “lost”

Thank you for pointing out this error, it has been corrected.

Line 378 – “These discrepancies are larger”

Thank you, it has been corrected.

Line 429-430 – by “latter”, are you referring to the iteration numbers?

Yes we mean the iteration numbers, “latter” was changed for “iteration numbers” to ensure clarity.

Line 412 – sits

Thank you for pointing out this error, it has been corrected.

Line 509 – I think you mean “snow ice” here. i.e. formed from the freezing of water-inundated snow on the surface. Superimposed ice forms from the refreezing of melted snow.

Indeed, we were referring to ice that forms when the freeboard becomes negative and water floods the bottom to the snow layer. It has been changed accordingly.

Line 578 – “we would like to emphasize this new possibility...”

The suggested change was made.

Line 585 – snow ice

[See above.](#)