

2023-03-23

Submission tc-2022-224

### **Estimating snow accumulation and ablation with L-band InSAR**

Jack Tarricone et al.

Dear Dr. Tarricone, thank you for your submission to be considered for publication in *The Cryosphere*. The paper benefitted a very thorough review by the reviewers as well as a comment from the public. Although reviews highlighted major revisions, the quality of the research was underlined by the reviewers. The reviews suggested overall an improvement on the quantitative analysis on uncertainties paving the way toward future work. This was highlighted by both reviewers where specific effect of wetness on the SWE retrieval was questioned.

After my own reading of the paper, and the answer to reviewers, I fell the responses provided by the authors is well structured, justified and meet the reviewer's requirements. I am pleased to see a well-structured and detailed response that really consider all questions. This is a very thorough work by the authors. I therefore am confident that main concerns raised by the reviewers have been addressed and the paper can be published.

Regards,

Prof. Dr. Alexandre Langlois

Associate editor, *The Cryosphere*