

Reply to Editor comments on

## **“The importance of cloud properties when assessing surface melting in an offline coupled firn model over Ross Ice shelf, West Antarctica”**

by

Nicolaj Hansen, Andrew Orr, Xun Zou, Fredrik Boberg, Thomas J. Bracegirdle, Ella Gilbert, Peter L. Langen, Matthew A. Lazzara, Ruth Mottram, Tony Phillips, Ruth Price, Sebastian B. Simonsen, and Stuart Webster

Dear Editor,

We are very glad that the reviewers have accepted our manuscript. Thank you for these final comments. We very much appreciate the expertise and time that has been spent on this task and sincerely believe that your efforts have resulted in a considerably improved manuscript. We have implemented the vast majority of your suggested changes/comments and very much hope that you now find the manuscript acceptable for publication. In the few occasions that we did not implement your suggested changes to the text it was because we thought that the original text was clear. In the following, we provide a point-by-point reply to each of these.

Yours sincerely,

Nicolaj Hansen

### Technical corrections:

- L24: The authors could choose between “driven” and “triggered”, as most appropriate.  
**We have chosen “driven”**
- L75: The authors could choose between “estimate” and “quantify”, as most appropriate.  
**We have chosen “estimate”**