

# Final Response to Referees and Associate Editor on "Detection of the melting level with polarimetric weather radar"

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March 2021

## 1 Report: Anonymous Referee #1

*We thank the reviewer for the positive remarks and the interesting feedback/discussion that helped improve our work.*

## 2 Report: Anonymous Referee #3

*We are glad to see that we have met the reviewer's acceptance for publication. Following the reviewer's comments, we modified Sections 6 and 7 to improve its clarity. We also carried on a careful review of the manuscript to remove typos and other minor issues. Finally, we would like to thank the reviewer for the detailed comments on the review of the paper that helped to improve its quality and readability.*

## 3 Response to Associate Editor.

*We thank the editor for the positive remarks and guidance throughout the review process. We modified the manuscript as outlined below.*

### List of relevant changes in manuscript:

1. We updated Figure 1 to meet the required copyright and distribution licence statements. Also, minor corrections to Figure1 labels were applied.
2. P.1, line 64 - p.2, line 12. We consider that moving the paragraph to this new location improves the section's clarity.
3. We addressed the reviewers' suggestions to break down large paragraphs in Section 6 and modified the format in Section 7, adding a bullet list of the conclusions.
4. Several typos and other minor issues were fixed.