

Responses to reviewer 3

Evaluation of differential absorption radars in the 183 GHz band for profiling water vapour in ice clouds

A. Battaglia, P Kollias

May 9th, 2019

We thank the reviewer for his/her final minor comments.

Page 1 Line 19. ...before significant progress *can* occur...

DONE

2. Figure 1 caption. Should this caption be changed to reflect the fact that the Magono and Lee (1966) ice crystal small photographs are no longer shown in this figure?

Caption to the figure has been changed

3. Page 4 Line 2. Change “tenths” to “tens”?

DONE

4. Page 4 Line 30. Change “reflectivities profiles” to “reflectivity profiles”

DONE

5. Page 6 Lines 30-31. Slightly reword to economize and improve grammar: Our approach uses ice microphysical properties from spaceborne sensors as input to a forward radar model (DAR model) to generate reflectivities around the 183.3 GHz absorption band.

Sentence has been reworded

6. Page 15 Line 21. Wording suggestion: replace “is going down” with “decreases”. Also fix “becasue” typographical error

DONE