

## ***Interactive comment on “Unsupervised classification of vertical profiles of dual polarization radar variables” by Jussi Tiira and Dmitri N. Moisseev***

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Dear editors and Referee #2,

The authors would like to thank the editor and the reviewers for comprehensive comments and the opportunity to revise our manuscript 'Unsupervised classification of vertical profiles of dual polarization radar variables' (amt-2019-307). We are exceedingly grateful for the suggestions from the reviewers. The comments brought our attention to different ways of improving the overall readability of the paper and to parts that needed further explanation.

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I have included the reviewer comments in a supplemented PDF document and responded to them individually. The individual comments and responses are followed by the revised text, with changes highlighted with colours: deletions in red and additions in blue. Colorbars have been added to Figures 7 and 8, as requested by Referee #2. The response to the individual comments includes two requested figures. As the manuscript itself already contains 9 figures, we feel that these additional visualizations are better left in this public response for the sake of concision of the paper.

We would like to express our great appreciation to the reviewers for the comments on our manuscript. We hope that the changes we have made resolve all your concerns about the article. We are happy to make any further changes that will improve the paper or facilitate successful publication.

Best regards,

Jussi Tiira

Please also note the supplement to this comment:

<https://www.atmos-meas-tech-discuss.net/amt-2019-307/amt-2019-307-AC2-supplement.pdf>

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-307, 2019.

C2