

Interactive comment on “Measurement of wind profiles by motion-stabilised ship-borne Doppler lidar” by P. Achtert et al.

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We thank the reviewers for their constructive criticism and helpful comments. We introduced the following general changes to the manuscript:

- The discussion of the results now includes the standard deviation, bias and rmse for the comparison of measurements with lidar and radiosonde.
- The comparison to the flux tower wind measurements has been omitted as one reviewer thought it unnecessary to convey the message of the manuscript.
- We added a measurement case that presents our combined data set from measurements with ceilometer and Doppler wind lidar in combination with soundings.
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- Details on the motion-stabilisation algorithm have been added as Appendix A.

Please find detailed answers to the comments in the attached file.

Please also note the supplement to this comment:

<http://www.atmos-meas-tech-discuss.net/8/C3686/2015/amtd-8-C3686-2015-supplement.pdf>

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 9339, 2015.