

May 10, 2017

Dear Mr. Stoffelen,

Please find the revised version of our paper entitled “Perdigão 2015: methodology for atmospheric multi-Doppler lidar experiments” to be considered for publication as a full research manuscript in Atmospheric Measurement Techniques.

All the comments from the three reviewers have been considered. A point-by-point response to the reviews are provided in the replies posted in the Interactive discussion (AMTD).

Generally, the reviewers requested a few larger revisions: (1) review of the literature covering multi-lidar experiments, (2) description of multi-lidar retrieval of the wind speed, (3) description of the accuracy of the retrieved wind speed, and (4) example of hybrid WindScanner measurements. These requests have been carefully addressed in the revised manuscript as following:

- Review of the multi-lidar literature is provided in Section 1 – Introduction (page 2 line 2 to line 22 in the revised manuscript)
- Mathematical background of the multi-lidar retrieval is provided in Appendix A
- Accuracy of the retrieved wind speed is provided in Section 4.4 (page 9 line 14 to line 26)
- Hybrid WindScanner measurements are given in Section 5.1 (page 23 line 8 to line 10, page 24 line 1 to line 6, page 25 line 1 to line 4 and Figure 15)

Other comments and feedbacks from the reviewers resulted in minor corrections and improvements of the manuscript.

To improve language, a native English speaker performed a thorough proof reading and corrections of our manuscript.

Thank you in advance for your kind consideration of this submission.

On behalf of all co-authors,

Nikola Vasiljević