

# Using global reanalysis data to quantify and correct airflow distortion bias in shipborne wind speed measurements

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## General

The authors did a great job during the revision of the manuscript. I think the changes made regarding the recommendations of the reviewers improved the manuscript. In particular the changes in the figures together with the addition of the photograph are helpful for the reader.

From my point of view all suggestions and recommendations from the first revision were discussed and appropriate changes were made. I recommend publication of the paper after adding one additional reference of a recently published paper regarding flow distortion around buoys.

## Technical comments/suggestions

Page 3/line 1: Just this week a paper was published (Schlundt et al., 2020), bringing the two references (Emond et al., 2012 and Bigorre et al., 2013) in a wider context by confirming the flow distortion behavior of buoys in the field. Within this paper, the estimated flow distortion results were obtained from long-term records of buoys and related/compared to scatterometer estimates at the particular sites. I think it's worth to cite this recent reference here either.

## Additional reference

Schlundt, M., J.T. Farrar, S.P. Bigorre, A.J. Plueddemann, and R.A. Weller, 2020: [Accuracy of Wind Observations from Open-Ocean Buoys: Correction for Flow Distortion](#). *J. Atmos. Oceanic Technol.*, **37**, 687–703, <https://doi.org/10.1175/JTECH-D-19-0132.1>.