

Wind Energ. Sci. Discuss., referee comment RC3
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Reply on AC2

Anonymous Referee #2

Referee comment on "Local correlation-based transition models for high-Reynolds-number wind-turbine airfoils" by Yong Su Jung et al., Wind Energ. Sci. Discuss.,
<https://doi.org/10.5194/wes-2021-23-RC3>, 2021

I appreciate the effort the authors have made to improve the manuscript. It looks (and reads) much better now. However, I still have some doubts about the use of the NREL 5MW data for the comparisons. These data are not only "synthesized" but also (as the text in the files states) corrected for a blade aspect ratio of 17. Hence the 17 in the file names. The data should be uncorrected for this before they can be properly compared to 2d-simulations. Because of the nature of these data the entry "experiment" in the legend of the graphs with the comparisons is also not valid.

I still wonder why the authors, despite the uncertainties around these data, decide to keep these comparisons in the manuscript.