

Wind Energ. Sci. Discuss., referee comment RC2
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Comment on wes-2021-61

Anonymous Referee #2

Referee comment on "Results from a wake-steering experiment at a commercial wind plant: investigating the wind speed dependence of wake-steering performance" by Eric Simley et al., Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2021-61-RC2>, 2021

Dear authors,

thank you very much for the well prepared article.

You describe and analyze the results of a wake steering experiment and put a focus on the wind speed dependent performance of wake steering.

From my understanding the topic is very relevant in the current state of the technology because it gives results of wake steering field testing under realistic conditions. This helps to better understand the shortcomings and rate the expected performances of investigations.

The analyzes are very complete and detailed and there are only a minor point I would like to address besides the points the first reviewer has already risen.

The naming convention "ideal", "predicted", "achieved" is sometimes difficult to understand/distinguish. To my understanding the ideal are the one from FLORIS without wind direction variability model, the predicted are the FLORIS with wind direction variability, and the achieved are the measured ones.

Maybe you can find a better terminology which is more self-explaining.