

Interactive comment on “An analysis of offshore wind farm SCADA measurements to identify key parameters influencing the magnitude of wake effects” by Niko Mittelmeier et al.

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Dear Referee, Thank you very much for reviewing our paper. Your comments helped us to understand where certainly more explanations is needed and we hope that we could add clarity and additional content to answer your questions sufficiently. You are right, when you point out, that it's a big step from SCADA data to stability classification and that strong simplifications have been made. For this reason we have accessed more data to close the gap between meteorological stability classification, TI, Shear and SCADA signals. We also want to be more precise on the purpose of this work. The main aim is to find turbine signals which can describe the magnitude of wake effects that are varying with different environmental conditions. With these signals it

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should be possible to fine tune wake models for more accurate predictions. Please find our responses to your comments in the supplement pdf.

Best regards, Niko Mittelmeier

Please also note the supplement to this comment:

<http://www.wind-energ-sci-discuss.net/wes-2016-60/wes-2016-60-AC2-supplement.pdf>

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