

Interactive comment on “Nacelle power curve measurement with spinner anemometer and uncertainty evaluation” by G. Demurtas et al.

Anonymous Referee #3

Received and published: 25 October 2016

The manuscript describes a novel way to use ultrasonic anemometers installed on the wind turbine spinner to calculate a power curve based on a transfer function between met mast an spinner anemometer. An additional correction for different anemometers mounted to the same turbine type is presented. The information is transferred into a nacelle power curve and comparisons of the power cubes from met mast and both nacelle spinner anemometers are made based on the AEP. Moreover, the uncertainties of the wind measurements and applied corrections are discussed. Considering that it takes almost half of the manuscript, it could be argued, that the part dealing with the uncertainty analysis might be condensed.

For detailed comments and questions, please see the attached file.

Please also note the supplement to this comment:

C1

<http://www.wind-energ-sci-discuss.net/wes-2016-29/wes-2016-29-RC3-supplement.pdf>

Interactive comment on Wind Energ. Sci. Discuss., doi:10.5194/wes-2016-29, 2016.