

Interactive comment on “Characterization of the unsteady aerodynamic response of a floating offshore wind turbine” by Simone Mancini et al.

Simone Mancini

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Dear referee,

thank you very much for your review, you raised some interesting points to discuss. I am working together with the co-authors to prepare a detailed response to all your remarks. It will take some time to conclude it, but I am pretty sure we will be able to deliver it within a couple of weeks.

For the moment, I can just clarify two minor points you mentioned:

1) I agree with you that the names RATED1 and RATED2 might be misleading and I also like the change you proposed (BELOW instead of RATED1). The names had been just inherited from the full turbine model test campaign conducted in Polimi; they had

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not been changed to avoid discrepancies with the project report and especially with the FTP repository content. Therefore, I would propose to change the names to BELOW and RATED for the sake of clarity, although mentioning that they refer to RATED1 and RATED2 of the original database.

2) The lack of the steady force distributions from the full CFD model is indeed a pity, but unfortunately they were not included in the original project scope. Obtaining the curves from the raw CFD results would require additional budget and time resources that are currently unavailable. I am confident that this gap will be filled in future works.

Thank you again for the precious clues, you will soon receive a more detailed and complete reply.

Yours faithfully,

Simone Mancini

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