Journal: WES MS No.: wes-2017-23 MS Type: Research articles Submission Date 2017-05-16 Date Due 2017-07-20 Title: "Wind inflow observation from load harmonics" Author(s): Marta Bertelè et al.

Thank you for your answers. I'm satisfied of most of responses, I however still have a doubt on one point:

I clearly understand that your objective is to use strain gage outputs from field measurements to predict inflow states. The goal is very interesting and you have demonstrated its feasibility earlier on field measurements. No doubts on that. I'm just concerned on the present paper and on what dataset was used to demonstrate the present method. It is still not clear for me how many simulated "strain gage" inputs/outputs did you use to identify your model ? In other terms, where the artificial strain gages are located in your model and how many "cases" did you run for the results given p20? I think the authors can answer by giving the value of the numbers  $N_{nodev}$ ,  $N_{nodee}$  (Equation 16) and the number  $N_{exp}$  (equation 36) used to obtain results p20, that are not given in the article ?

Also, by looking again at that figure 2, can you please add a colorbar ?

Best regards.