

Dear Editor,

we appreciate the acceptance of our manuscript for publication in AMT.

We have revised our manuscript according to the comments of reviewer 2 and added information on the high-resolution wind fields to section 5.2.2.

In addition, we merged all subfigures into single figure files, as requested by Copernicus. For some figures, the layout (e.g. size of colorbar) has slightly changed. Content of all figures remain unchanged.

We have also slightly polished the layout of the figures in the Supplement (in line with the changes made in Fig. 4 in response to the reviewer comments during discussion phase) and added a colorbar on the first page of the Supplement. Again, the content of all figures remain unchanged.

Kind regards,

Steffen Beirle