

# Response to reviewer 1 and 5 of wes-2020-123

Markus Sommerfeld

August 10, 2022

## Author response

Dear reviewers,

Thank you very much for your helpful comments to our manuscript, “Scaling effects of fixed-wing ground-generation airborne wind energy systems”, wes-2020-123. We implemented the demanded changes.

Sincerely, Markus Sommerfeld

## 1 Reviewer comments

### 1.1 Specific comments - reviewer 1

- Plots with more points at the same wind speed: Maybe it would be more appropriate to draw the line to the mean values at each wind speed, if more data have the same wind speed.
  - Re-plotted Figure 7.
  - Thank you for pointing this out again. Checking the code, I realized that there was an error which lead to the same data points from the AP2 aero coefficients to also be plotted for HL. I edited the tension trough code. The plot is now clearer and trends are easier to understand.
- Typos
  - fixed typos, removed and added spaces, changed figure labels, fixed unit style
- Space between numbers and their measurements units
  - added spaces between numbers and measurement units

### 1.2 Specific comments - reviewer 5

- Try to be consistent in Figure 14 and Figure 15. They communicate the same values but differ in the way of presenting, L/W and L/D & W/L and D/L.
  - Implemented. Now all plots show L/W and L/D

- Also I think Figure 15 should not be a percentage, Newton/Newton is still a ratio with no unit.
  - Implemented.