A general comment regarding formatting. The journal reformats and typesets the paper into a two column mode. All of my figures have been designed to fit efficiently in this mode but I have to submit in the draft phase as single column. In short, the paper will visually appear a lot better after typesetting. Nonetheless, I forced the figures to be nearer to their reference in this submission.

Change List Report 1:

Thank you for the comments, they were helpful.

- The stall is bad comment is removed.

- Google URLS Removed

- Citation Date fixed.

- Strangfeld Corrected

- [33] The effective decambering analogy doesn't take into account the increase in drag.

- [41] List item changed to match suggestion, a nice neat sentence now.

- Described conditions of deep stall initiating from the leading edge, more accurate now.

- spike and dump removed.

- [160] I understand the objection. However, the towing tank provides a very good example for outlier detection as we had access to raw data. The Muller-Vahl dataset has been fairly well sanitized with most data with experimental issues removed from the dataset. For this reason it was unfortunately necessary to make things a bit more confusing in the paper by including the two datasets.

- [223] Figure 6 now referenced. Spelling fixed. The descriptive equations can be found in the reference.

- [figure 9.] I have added some sentences explaining where each of the datasets is used.

- [340] I refined my explanation. If I was to describe the methods and their motivation and then pour through the full dataset, it would require a whole book. I use enough cases to demonstrate the variability of dynamic stall and the methods used. That is the aim of the paper.

Change List Report 2:

Thank you for the detailed response. The comments have really helped me refine the paper.

- The stall is bad comment is removed.

- Regarding the training method. I concede your point regarding the lack of low fidelity models and the poor performance of 2D CFD.

I have included some comments regarding this. And yes the variant that would take into account VIV would have to be a 3D model, this is also possible with this approach.

- Stability: I have changed some of the language.

- Added the missing reference to figure 9.

- Probability Distributions - I deliberately only included a minimum of information. I wanted to show that there is a change in mean and variance and not any deeper details.

I believe that now all outstanding issues have been resolved. I also re-proof read the paper.