

**General comments:**

The manuscript describes, more clearly this time round, an approach to measuring wind speeds using a quadcopter UAS within a wind tunnel, emphasizing calibration and verification methods. The authors are looking to refine the calibration process for the wind measurement algorithm of their SWUF-3D UAS fleet within a controlled laboratory setting. This process is important for obtaining accurate in situ measurements of the atmosphere without waiting for favorable weather conditions for a proper calibration in the open field.

Other researchers on the topic have been discussing this method to be a simple and obvious solution, and the authors of this paper are now showing more solid method description after the first round of reviews with clear data visualizations. The authors addressed my comments and successfully resolved my concerns, making the study clearer and easier to understand after revisions. Therefore, I find the content of the paper ready for acceptance and publication after addressing the suggestions below.

**Suggestions for revision:**

Although the paper is well structured, the authors still need to make better connections between figures and the tables with the general text. Particularly, I find the captions of some figures and tables lacking information which can make the reader lose interest quickly. A typical reader will glance at the figures and tables first before reading through the entire paper, therefore it is very important to already show relevant information on the captions like symbols used and their definitions, reference to equations if any, and a description of what the presented data was used for, and some short conclusions. It'd be best to see at least 2-3 lines of captions.