

We would like to thank the editor for accepting the manuscript for publication. We also thank the two Reviewers for reviewing and positively assessing the revised manuscript. In the following we address the minor comments from Reviewer 2 on the revised manuscript point by point. Additionally, we have changed the panel labels in figures 5, 7 and 13 to the correct style.

It is appreciated that the authors carefully and thoroughly addressed all prior comments. The following very minor corrections could be considered to improve the manuscript further, but in general I find the paper suitable for publication.

Figure 1: The addition of the new overview schematic and accompanying text is helpful in explaining the instrument concept. However, it's not clear to me whether it is intended that a shift in particle positions should be evident. The highlighted reference particle, and its change in position from the first to the second frame, is clear. Perhaps reduce the number of droplets if a shift in the pattern should be evident? (Now that I look at the figure closely again, I see that the blue highlighted droplets are shifted... but this is not explained in the caption, and again, I think perhaps the pattern could be made more evident.)

We have reduced the number of droplets to make the shifted droplet spatial pattern more obvious and added an explanation about the color scheme: "The droplets that are captured in both holograms of the pair, and for which the velocity can be calculated accordingly, are shown in blue. For the remaining droplets of each hologram, shown in green here, only size and position is known and velocity can not be determined."

Line 270: "Secondly, wo vital performance indicators" seems to have a typo or some missing information.

We thank the reviewer for catching this typo and have corrected this.

Line 376: "As detailed in Thiede et al. (2025b) recall, the rate of correctly detected and identified particles, is increased..." This sentence is somewhat cumbersome as written. Perhaps remove "recall", and delete comma between "particles" and "is increased".

We have changed it to "As detailed in Thiede et al. (2025b) the rate of correctly detected and identified particles (recall) is increased..."

Line 529: "This is further attested by the diameter dependent increasing negative w ." The sentence is somewhat unclear. Does it mean that w becomes more negative as diameter increases?

We have changed the sentence to "This is further attested by the settling velocity ($-w$) increasing with droplet diameter."

Line 617: The word "superhologram" is not defined, as far as I am aware. Either explain or rephrase so that the meaning of the sentence is clear.

Super-hologram is introduced, where it is first mentioned in Section 3.3.3. "As a first indication of influence of the holographic arms, specifically the tips, we show a "super-hologram" i.e. a heatmap of

relative concentration of detected droplets" but our inconsistent spelling made it hard to find, so we corrected it in line 617.