

Dear Editors:

Thank you very much for your careful review and valuable suggestions regarding our manuscript titled “Comparisons and quality control of wind observations in a mountainous city using wind profile radar and the Aeolus satellite” (Manuscript Number: amt-2023-152).

Suggestion by the handling associate editor:

A minor point may be that the authors use scatter plots with many data points, where most points are actually not visible, since they are overplotted by other points. In such cases it is better to provide a measure of data density in the plot, which could be done by color or contours. In case two scatter plots are compared, one could be in color, overplotted by data density contours of the other. In that case all points are represented in the plot.

Response: Thanks for this valuable suggestion. We have replaced the scatter plots in Figure 3(a)-(b), Figure 4 with data density contour plots and Figure 7 with probability density distribution plots, and updated the corresponding descriptions of these figures. This change was made to address the issue of point overplotting and provide a clearer representation of data distribution. Please see Figure 3, 4 and 7, Line 268-274, Line 343, 353-355 and Line 360-362 in the revised manuscript.

Sincerely,

Authors