

Responses from the authors to Reviewer #1 comments:

p.33, Appendix D: The slope and intercept values should be shown as well (not only confidence interval): slope [95% confidence interval]; intercept [95% confidence interval]

Tables D1 and D2 are modified as requested.

p.12, line 200-209 (Section 3.3). Authors should use the slope and intercept values from Appendix D to justify the sentence "...the slope and intercept are not significantly different from 1 and 0" or use them to comment on possible discrepancies.

Two sentences are modified lines 194 to 198.

"Regression slopes for the three possible combinations (PM10 vs. TEOM, VTD vs. TEOM, and VTD vs. PM10), with and without the highest point, are between 0.94 and 1.03. The value of one is always included in the 95% confidence level interval associated with each slope, and intercepts are not significantly different from zero (see Tables D1 and D2 in Appendix D), suggesting that any potential bias is too small to be identified with our data. "

Because we have concluded that discrepancies are not visible here, we have not added more comments than what was already written on line 200 and 201 on possible biases:

"The coherence between direct measurement of masses (TEOM) and "chemical" weighing shows that substances not taken into account in our chemical budget (ammonium and organic molecules) do not significantly contribute to the total aerosol mass here."