

Comments on Tao et al.

The paper has substantially improved. I have one remaining comment that needs to be addressed:

L 409: It is not stated in the text how the mass fractions of the aerosol chemical components is measured. I would especially wonder how accurate the numbers for the size of 50 nm are.

Minor issues (red: corrections, red italic: comments):

L 31: under **the measured** supersaturated conditions (*you cannot say anything about higher supersaturations*)

L 91: formations~~s~~

L 249: after a~~n~~ denuder-bypass

L 442: has a similar correlation coefficients ($r \sim 0.65$) and a smaller systematic differences: *either singular or plural but not a combination of both*

L 503: low soluble components: *incorrect English*

L 506: Pöhlker: *typo, also other instances*

L 548: SAs migrated to a higher mass fraction of BC-free particles smaller than 200 nm to particle size of 200 nm: *not clear*

L 553: that contributes

L 557: semi-volatile ~~compound~~ component

L 1194: curve at large particle: *incorrect English*