

The authors have adequately addressed the major points raised by the reviewers. A few minor details, however, must be addressed before the manuscript can be accepted for publication.

L. 50, p. 2: "...the reason Robock..." instead of "...the reason, why Robock..."

L. 72, p. 3: The authors mean "Bingen et al., 2003". Also need to include Wang et al. 1989, as they predate Bingen in retrieving a PSD from occultation data.

L. 138-141, p.7: "the total number density N_0 (...) has to be assumed": This is a little bit confusing, because it gives the impression that the authors do not retrieve the total number density, what is wrong. It would be less confusing to write, e.g., that "the single aerosol extinction coefficient is calculated with the Mie Code (Oxford, 2108) for a total number density equal to 1" – I guess this is the case. Please note also that "coefficient" is singular. "Extinction coefficient values" can also be used.

L. 161, p. 8; Figure 4: "at a different tangent height": The authors should mention the range covered by the tangent height values used in Figure 4. It might be useful to use a color code (e.g. grey tones) on the plot for the error bars to visualize in a glance in which altitude range every measurement point is situated.

L. 165, p. 9: "coordinates of the measurement data point": The authors should specify which kind of coordinates they are referring to.

L. 170, p. 9 : "...ratios where sets..." instead of "...ratios, where sets..."

L. 182, p.9: "the precision": It does not determine the precision, but the accuracy.

L. 188-190: "accuracy parameter": The authors should indicate if this accuracy parameter is some standard parameter (e.g. by providing a reference) or a parameter they are defining ("We define the accuracy parameter as ...").

L. 199, p.10: "plot", lowercase.

L. 217, p.11: "can easily be calculated".

L. 368-371, p.18: This sentence is particularly long and difficult to read. I suggest the authors to rephrase it.

L. 373, p.19: The authors should specify which "relative difference" they are talking about.