

Response to Dr. Bahreini's comments

We appreciate the editor Roya Bahreini's further comments on our manuscript. Following her comments, we revised the manuscript again. Listed below is our point-to-point response in blue to each comment.

- change "stable" to "minor".

Changed.

- change line 241 to read as "These results were supported by the similar particle size distributions (mode ~ 200 nm) in fall, while a clear increase in the mode was observed during summer from 2013 to 2018 (Fig.S8)."

Changed as suggested.

- change the units of volume distribution plots to say $\mu\text{m}^3/\text{cm}^3$ or something similar (it's now volume per area).

We thank Dr. Bahreini's comment on the unit of volume distributions. Because the volume size distribution is retrieved from spectral optical thickness and represents the columnar volume size distribution, thus the unit is $\mu\text{m}^3/\mu\text{m}^2$, which is different from that measured by SMPS, i.e., $\mu\text{m}^3/\text{cm}^3$. We therefore kept the unit in the supplementary.

- change "scatting" to "scattering" in line 252.

Changed.