

Dear editor,

Thank you very much for handling our manuscript "*Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM_{2.5}): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations*".

In the typesetting process, we noticed a few typos and a minor error in our manuscript in terms of the descriptions of the GEOS-Chem model and the KORUS-AQ campaign and would like to correct them before publication. I am writing to ask for your approval for these corrections. Places need to be corrected are:

1, The refractive index in Table 3 should be " $1.75 - 4.4 \times 10^{-1}j$ " for BC and " $1.5 - 1.0 \times 10^{-8}j$ " for Sea salt (fine) and Sea salt (coarse).

2, On page 4 in the right column in lines 9-10, we'd like to delete "< 2.5 μm in geometric diameter)" to avoid confusion.

3, On page 4 in Section 3.1 (line 4 in this paragraph), please revise "between 09:00 and 15:00" to "between 08:00 to 16:00".

Thank you very much for your consideration. I am looking forward to your approval.

Best,
Shixian Zhai