

Answer to co-editor for ms acp-2017-471

Dear Andreas

We have corrected the typographical error and ameliorated figures as requested.

In doing so, we also made three additional modifications

1/ corrected the figure numbering that was inconsistent between the Figure caption list and the figures themselves

2/ modified the legend of Figure 2 as follows (in red the added words): “Figure 2. Top panel (a): comparisons of the time series of daily eBC mass concentrations (ng m⁻³) measured at HBAO and predicted by the MERRA-2 reanalysis. **The light grey boxes indicate periods of increasing concentrations. The light blue boxes indicate periods of decreasing concentrations.** Bottom panel (b) box and whisker plot representation of the respective monthly variability.”

3/ modified the axis of figure 5 which by mistake where not in %

Thank you so much for the prompt acceptance of the manuscript.

Best regards.

Paola