

We thank the editor for providing us with feedback, our responses to the specific comment are below.

1) Fix text at lines 102, 103;

Text has been adjusted for clarity.

2) Line 152: lower, vs lowering?

Changed to reducing

3) Line 162, MOTE Ltd: instrument manufacturer, environmental consulting company?

We included the link to the company website.

4) Line 174: plantower?

Link has been added

5) Line 174: Do you need to indicate SHT sensors as based on Sensirion?

Added this, as well as link.

6) Line 208: Because I, many friends, and likely many northern hemisphere readers worked with and know US-based UNIDATA, please follow reviewer advice and include Aussie Unidata url here, at first use.

Link added.

7) Line 254: an not and?

Error has been corrected.

8) Line 280: MOTE here indicates a project, company, ministry, ?

This sentence has been adjusted for clarity.

9) Line 281: Not clear what your regression provides? You regress PM concentrations vs location? Vs met variable (T, RH)? Modeled vs measured? Site to site correlation?

The regression model was fit to the PM observations. This paragraph was adjusted for clarity.

10) Line 303: But you earlier implied that exceedence values of PM came from residential heating using solid fuel (wood, coal) sources. Quantifying / modeling PM concentrations across the city requires knowing advective inputs plus local production? Fixed sites already provided sufficient local information?

While local emissions are the primary source of PM within the city, understanding the incoming emissions from advection is important for the functionality of MAPM.

11) Line 314 - but earlier (line 255) you told us that ceilometer data were "incomplete"?

While we do not have data for the entire period we are still able to provide the data we have.

12) Line 315 - where vs were? So ceilometer only raw, not QC'd. Why not leave them out? In fact, you never discuss them. Not useful?

Typo corrected. The ceilometer data is made available as it may be of use to others.

13) Line 429 - missing ')' here?

Bracket added.

14) Line 445 - calculation of full uncertainty budgets (e.g. instrumental, operational, environmental) rarely comes out as simple as reference - measured. As subsequent discussion in this paragraph proves!

This sentence has been removed.

15) Line 495 - you mean not the same meteorological or trajectory source air, but air containing the same particle concentrations and size distributions?

We mean the latter; the air being sampled is identical in every way. The sentence has been adjusted.