

Comments on “Measurement report: Exploring the NH₃ behaviours at urban and suburban Beijing: Comparison and implications”

General comments:

This manuscript reports a yearlong parallel measurements of NH₃ concentration at urban of suburban sites of Beijing. Statistical analysis, seasonal variation, diel profile and the relationship with temperature, RH, H₂O, wind speed and wind direct are present. This could be useful documentary for scientists who are interesting in aerosol chemistry, aerosol pH and pollutant management etc. I thus recommend publication of this manuscript on Atmospheric Chemistry and Physics.

Specific comments:

1. The author might be able to take advantage of the parallel measurements and summarize the difference in pattern of NH₃ pollution and source. However, there seems to be a lack of effort on the in-depth analysis.
2. The dew and NH₃ releasing point is interesting. I wonder if the dew point calculation could be useful to further explore and validate this point.
3. The author claimed a rain clearing effect for NH₃. But in Figure 8 suburban case, there was an increasing during the rain and after the rain. Therefore, there is a inconsistency between the data and the explanation.