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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Measurement of aerosol properties during wintertime in Beijing" *by* M. L. Zamora et al.

Anonymous Referee #2

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In this manuscript aerosol properties in Beijing in the wintertime were investigated by conducting a field measurement at an urban site of Beijing during January and February of 2015. The manuscript is well-organized and clearly written, and merits to be published in ACP. Line 18-19 of page 4: Please explain in more detail about how PBL is determined and give more evidence on "suppressed dilution of local pollutant (mixing layer depth of 1100 m compared to 2200 m, Fig. S1.)" (Line 10-11 of page 7). Line 21-24 of page 7: "We show that the periodic cycles of haze episodes during the autumn and winter seasons in Beijing are closely linked to the meteorological conditions. During haze events, stagnant air masses typically develop under the calm or weak southerly wind, which traps the local pollutants." I do not think the conclusion is new.

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