

Supplementary Information

Aerosol Composition, Sources and Processes during Wintertime in Beijing, China

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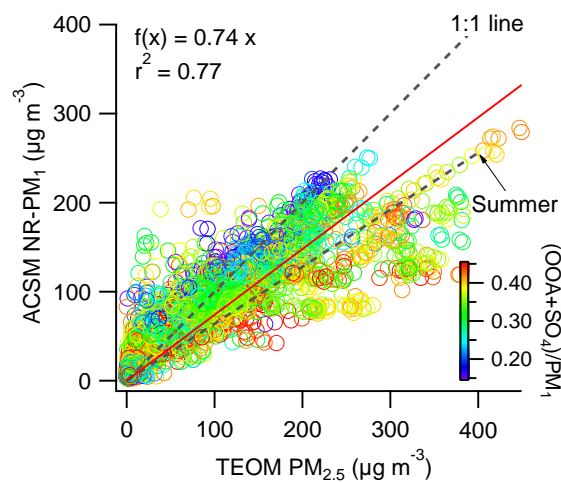


Figure S1. Correlation between NR-PM₁ (= Org+SO₄+NO₃+NH₄+Cl) measured by the ACSM and PM_{2.5} by the TEOM. The plot is color coded with the mass fraction of OOA + SO₄ in NR-PM₁. In addition, the regression slope of 0.64 in summer is also shown.

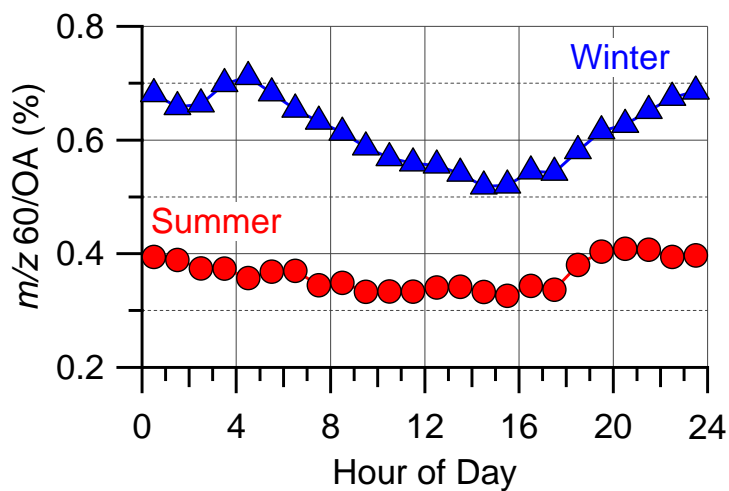


Figure S2. Diurnal profile of fraction of m/z 60, i.e., m/z 60/OA, in summer and winter, respectively.

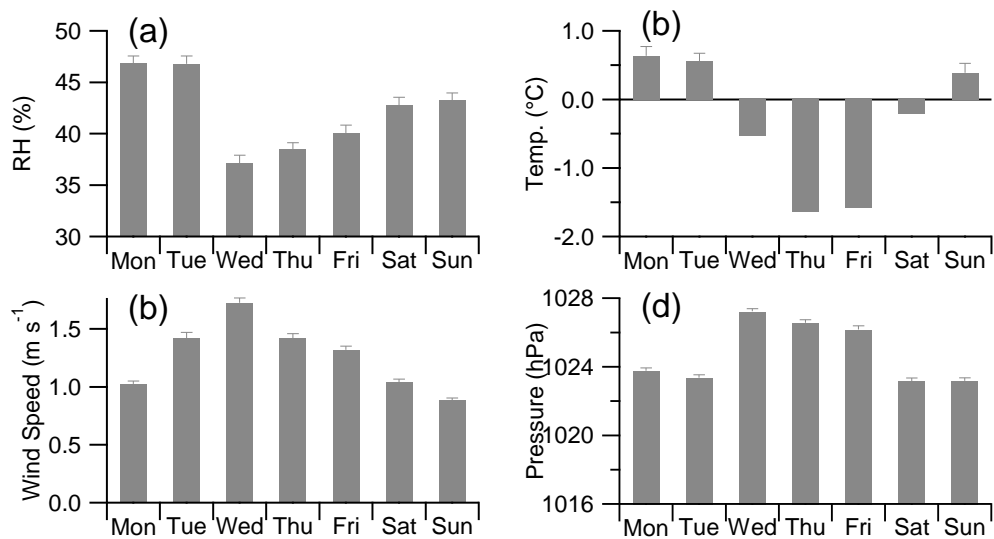


Figure S3. Day-of-week variations of meteorology including relative humidity (RH), temperature (Temp.), wind speed, and pressure for the entire study.

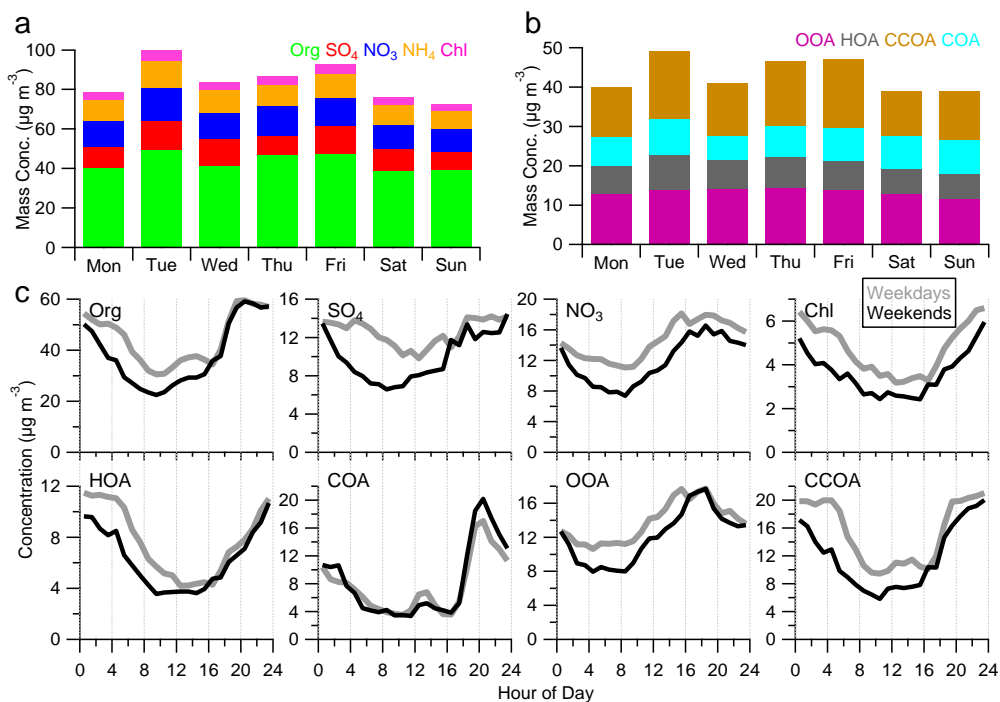


Figure S4. Day-of-week variations of (a) NR- PM_{10} composition and (b) OA composition after excluding the clean periods marked in Fig. 1. (c) shows a comparison of the diurnal variations of NR- PM_{10} species and OA components between weekdays and weekends