Supplementary Materials

Vertical distribution of particulate matter and its relationship with planetary boundary layer structure in Shenyang, Northeast China

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Figure S1. Evolution of vertical distribution of PM$_{2.5}$ concentration measured from the balloon sounding and aerosol extinction coefficient retrieved from a LiDAR at Shenyang during November 1–3, 2018. The measurements are recorded in every 5 minutes with a vertical resolution of 7.5 m above 105 m from the surface.
Figure S2. Comparison of vertical profiles of (a–b) potential temperature and (c–d) wind speed observed at the balloon sounding station (BSS) and measured by a L-band radiosonde system at the national weather station (NWS) at 08:00 and 20:00 LT every day in November 2018 in Shenyang.