Supplement of

Size distribution and source of black carbon aerosol in urban Beijing during winter haze episodes

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Fig. S1. Histogram of the lag times between the incandescence and scattering peak locations at three typical pollution levels: clean (green), polluted (blue) and heavily polluted (red). A bimodal distribution is found with the minimum at ~2 μs regardless of the pollution level. The rBC-containing particles with the lag time greater than 2 μs were considered to be thickly coated. Otherwise, the rBC-containing particles were non/thinly coated.
Fig. S2. Size distributions of rBC in volume-equivalent diameter during the campaign from 24 February to 15 March 2014 (down panel) and from 9 to 27 January 2013 (up panel). The red and blue lines are the lognormal fittings to the primary and secondary modes, respectively, and the black ones correspond to the combined mode.
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