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Atmospheric Chemistry and Physics Discussions

Supplement of

Aerosol physicochemical properties and implication for visibility during an intense haze episode during winter in Beijing

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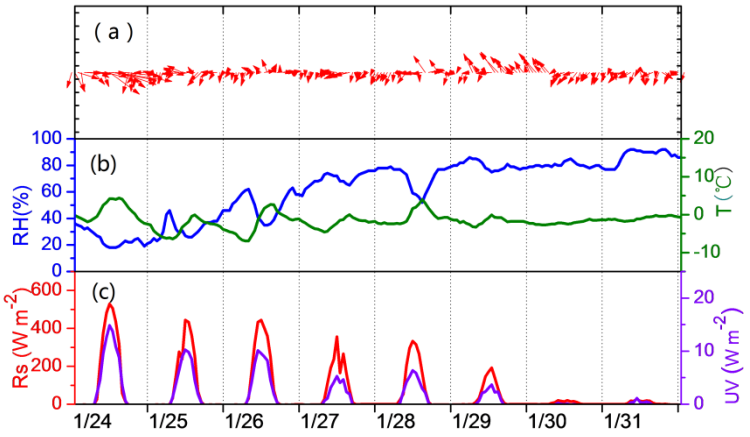

Figure S1 showed the hourly averaged variations of wind direction, wind speed, relative humidity, air temperature, total radiation and UV radiation during the periods.

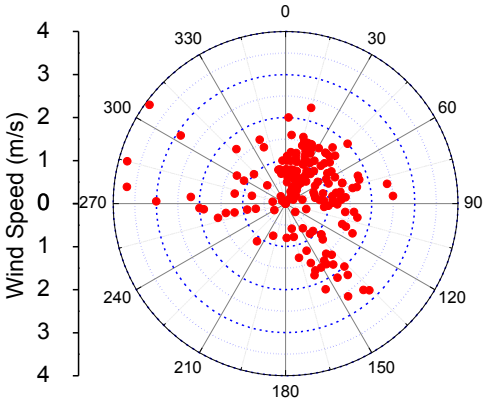

Figure S2 The wind rose of the local wind during observation period.

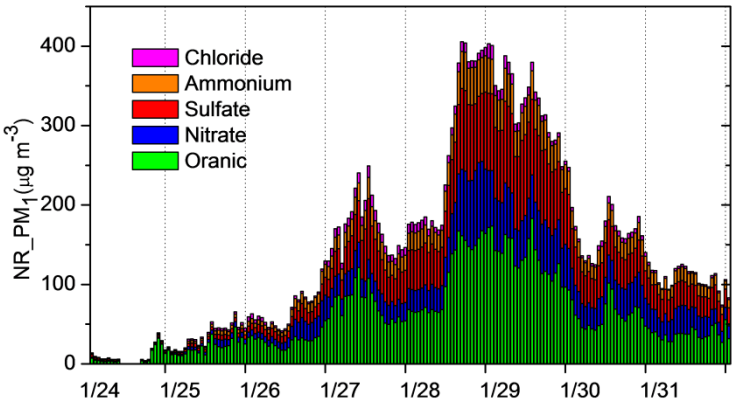

Figure S3 Mass concentrations of organic, nitrate, sulfate, ammonium and chloride during the haze episode

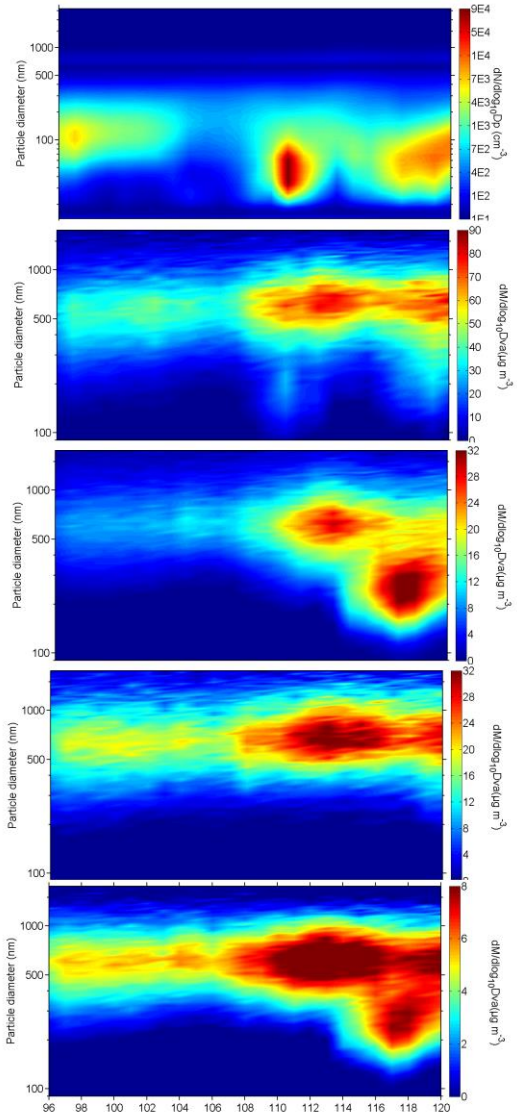

Figure S4 from top to down showed hourly averaged data of Particle number size distribution; size resolved chemical composition of organic; sulfate; nitrate and ammonium during January 28.

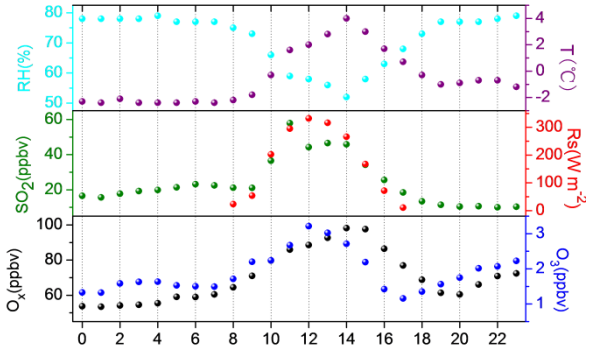

Figure S5 From top to down showed the hourly averaged relative humidity, air temperature, mixing ratio of sulfate dioxide, broadband solar radiation, mixing ratios of O_x and O_3 during January 28.