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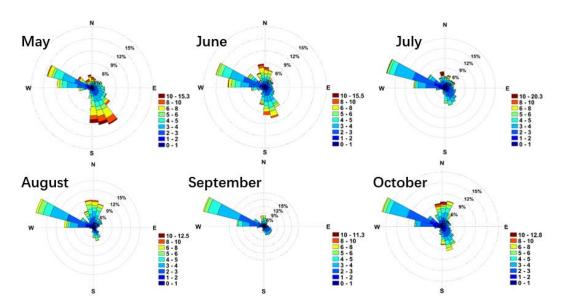
## Supplement of

## Different effects of anthropogenic emissions and aging processes on the mixing state of soot particles in the nucleation and accumulation modes

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**Figure S1.** Wind rose diagrams for different months during the field campaign. Units for wind speed are m  $s^{-1}$ .

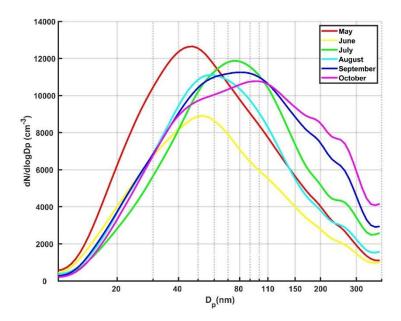
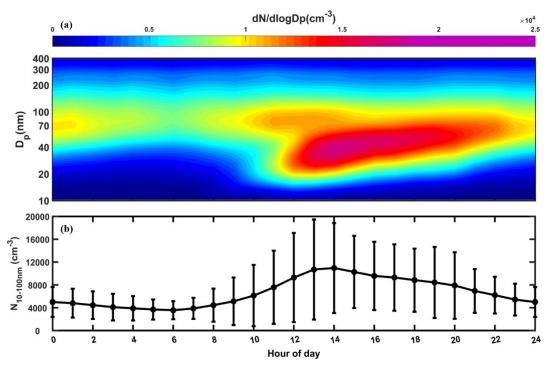
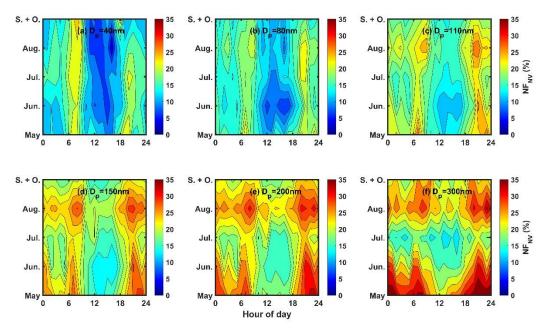


Figure S2. Mean particle number size distributions for different months during the field campaign.



**Figure S3.** Diurnal variation in (a) the particle number size distribution during the field campaign and (b) the total number concentration of 10–100 nm particles



**Figure S4.** Diurnal variations in the number fraction of nonvolatile particles ( $NF_{NV}$ ) in different months for different particle sizes.