



*Supplement of*

## **Mixing state and particle hygroscopicity of organic-dominated aerosols over the Pearl River Delta region in China**

**Juan Hong et al.**

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Supplement:

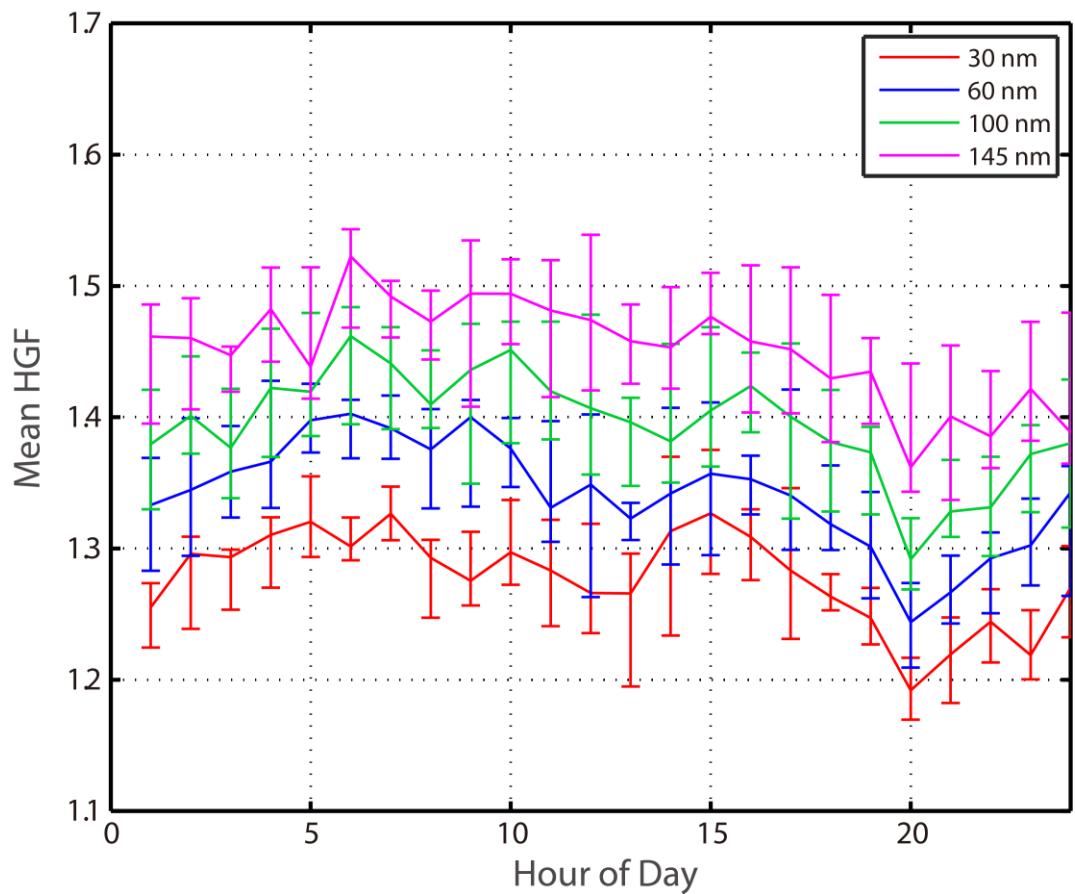


Figure S1. Diurnal variation of the mean hygroscopic growth factor of 30, 60, 100 and 145 nm particles during this study.

5

10

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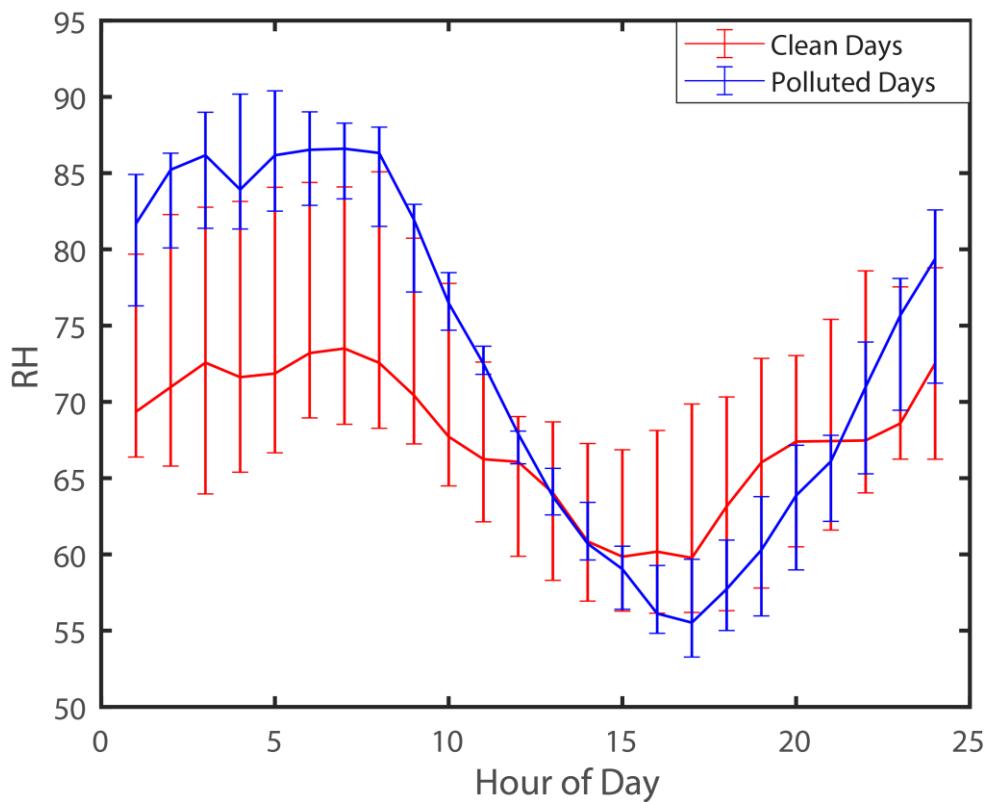


Figure S2. Diurnal variation of relative humidity during the polluted and clean days.

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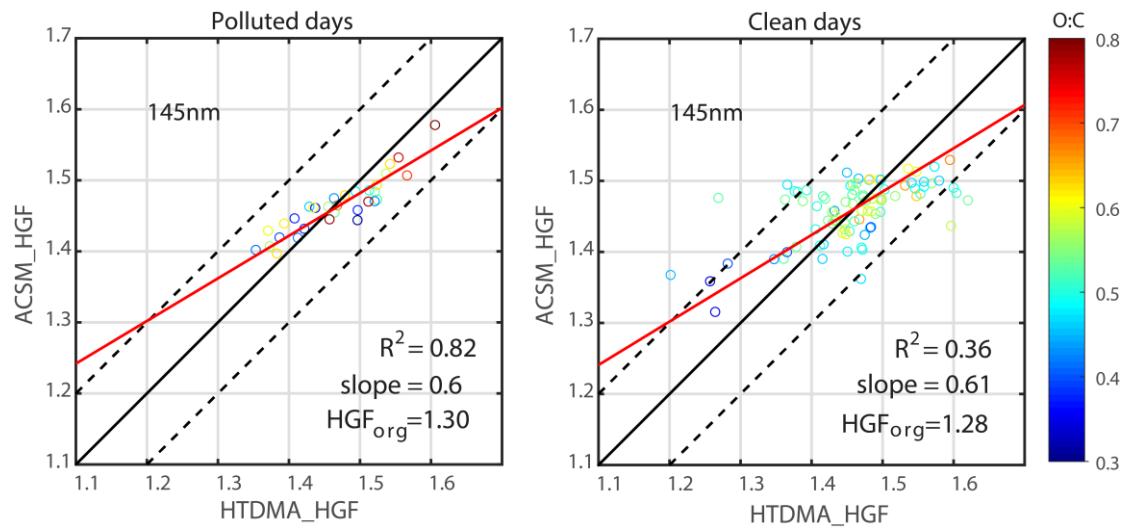


Figure S3. Closure analysis with the best fitting between the measured HGFs and the ACSM-derived ones using constant  $HGF_{org}$  for 145 nm particles during the polluted and clean days, respectively.