

Supplement of:

Quantifying particle-to-particle heterogeneity in aerosol hygroscopicity

Liang Yuan^{1,2}, Chunsheng Zhao^{2, *}

1 Chengdu Plain Urban Meteorology and Environment Scientific Observation and Research Station of Sichuan Province, School of Atmospheric Sciences, Chengdu University of Information Technology, Chengdu 610225, China

2 Department of Atmospheric and Oceanic Sciences, School of Physics, Peking University, Beijing, 100871, China

**Correspondence: Chunsheng Zhao (zcs@pku.edu.cn)*

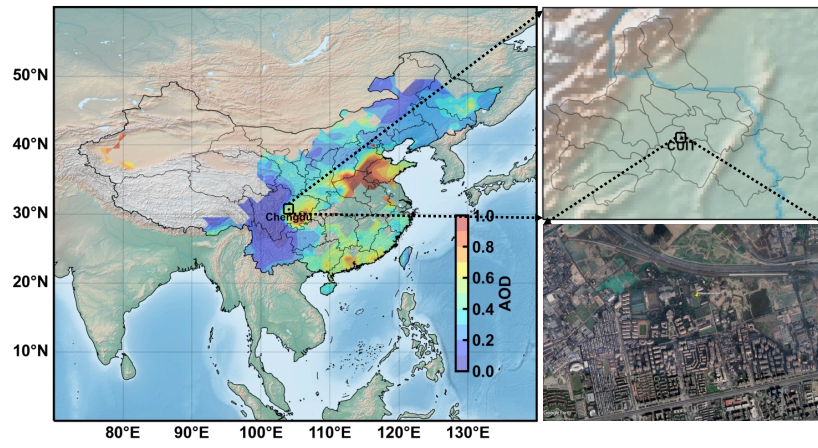


Figure S1. Location of the observation site. The contour represents the average AOD in January 2019.

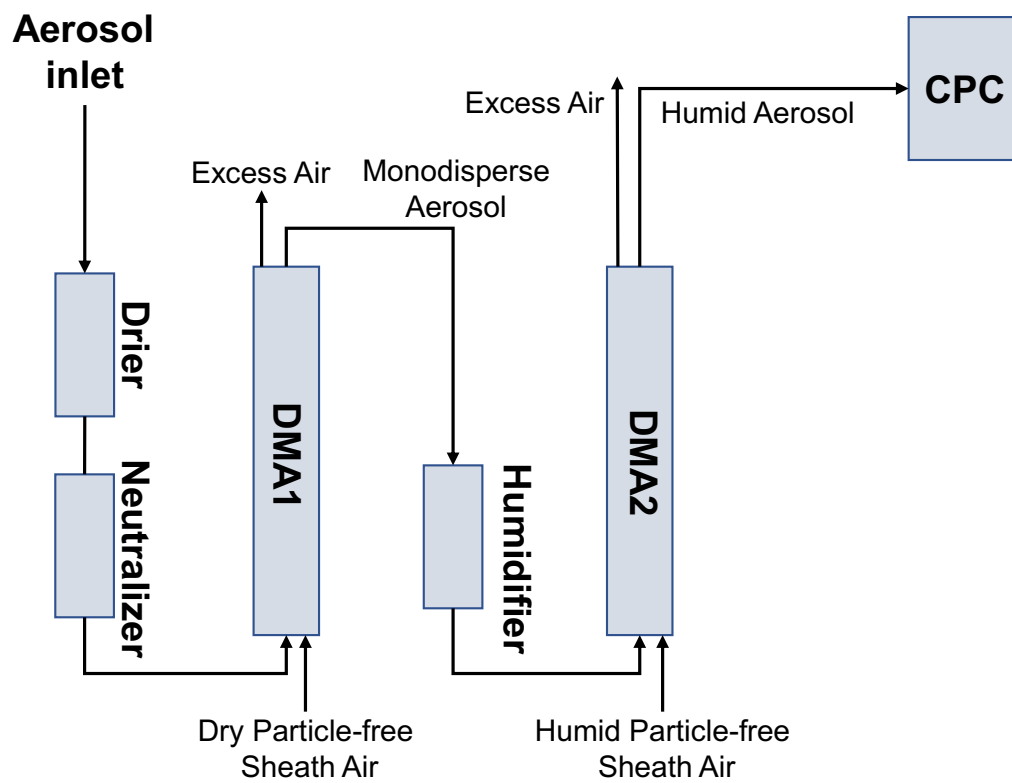


Figure S2. Schematic structure of the HTDMA

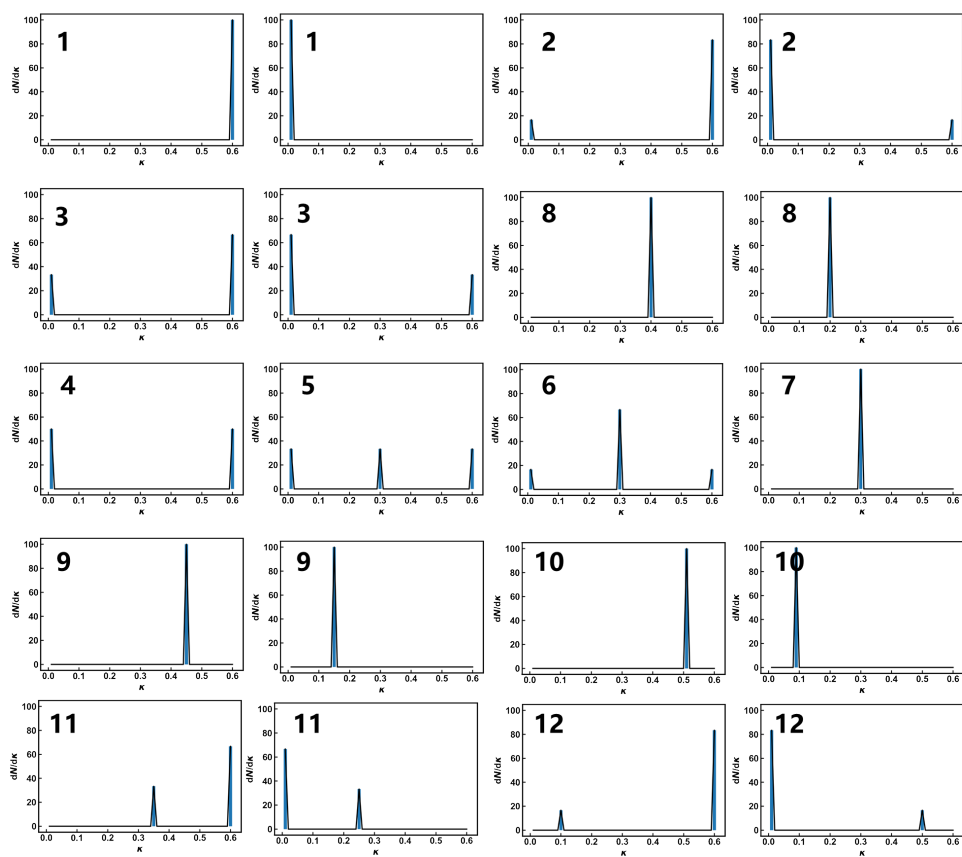


Figure S3. κ -PDFs for the 12 populations in the mixing state diagram.