



Supplement of

Measurement report: Comparison of wintertime individual particles at ground level and above the mixed layer in urban Beijing

Wenhua Wang et al.

Correspondence to: Longyi Shao (shaol@cumtb.edu.cn)

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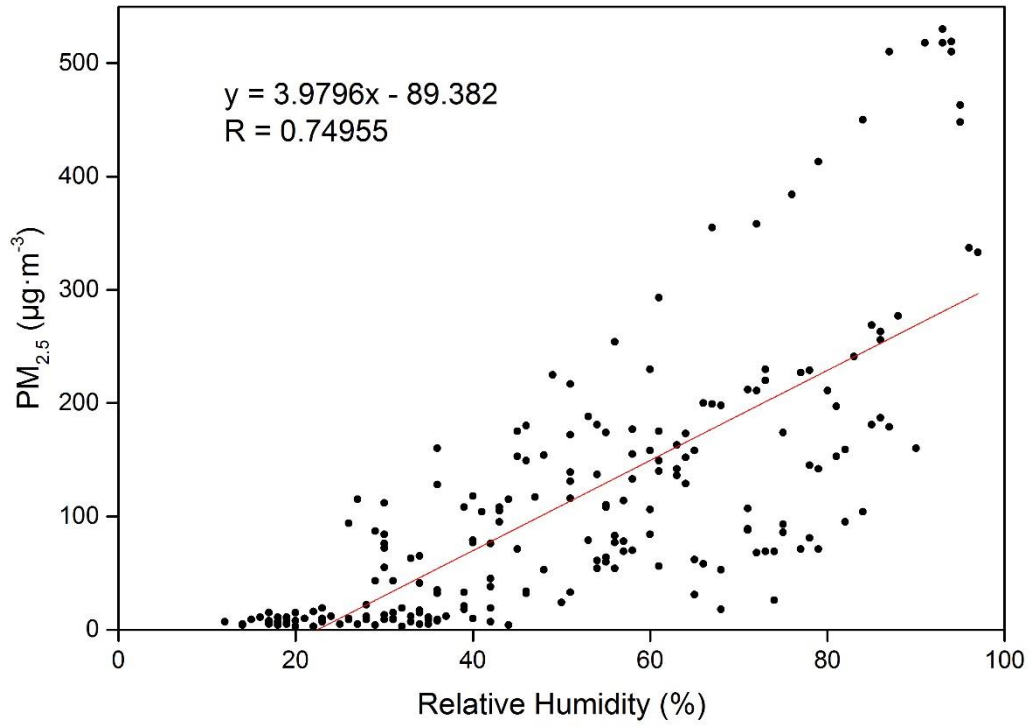


Fig. S1: Correlation between PM_{2.5} mass concentration and relative humidity

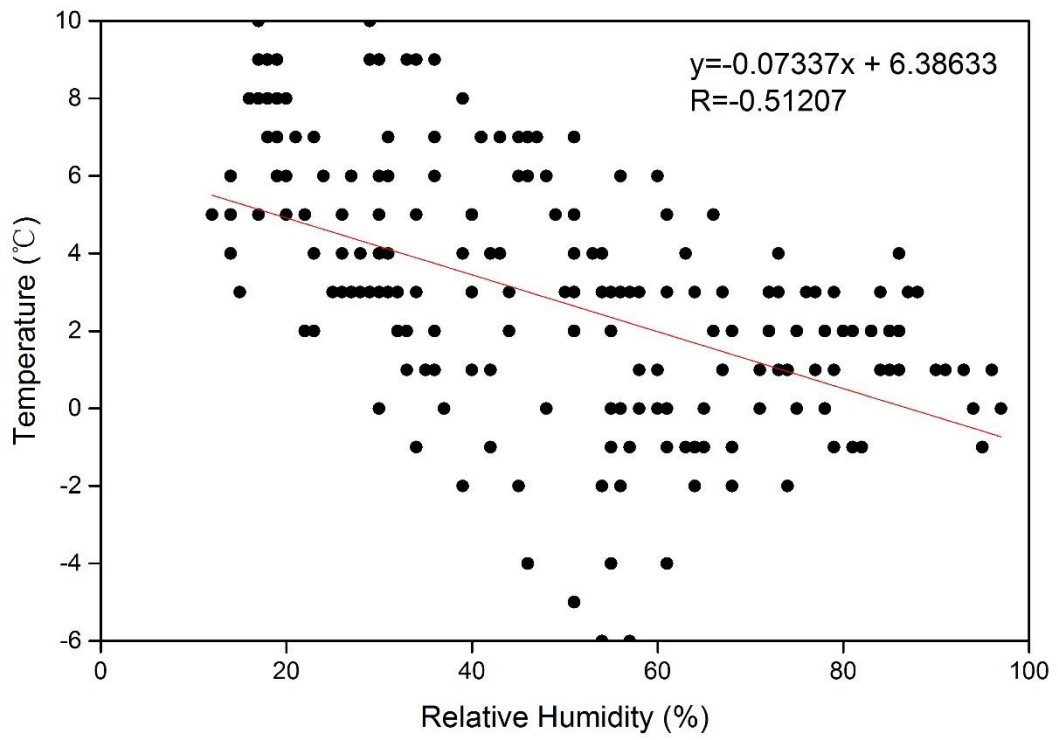


Fig. S2: Correlation between temperature and relative humidity

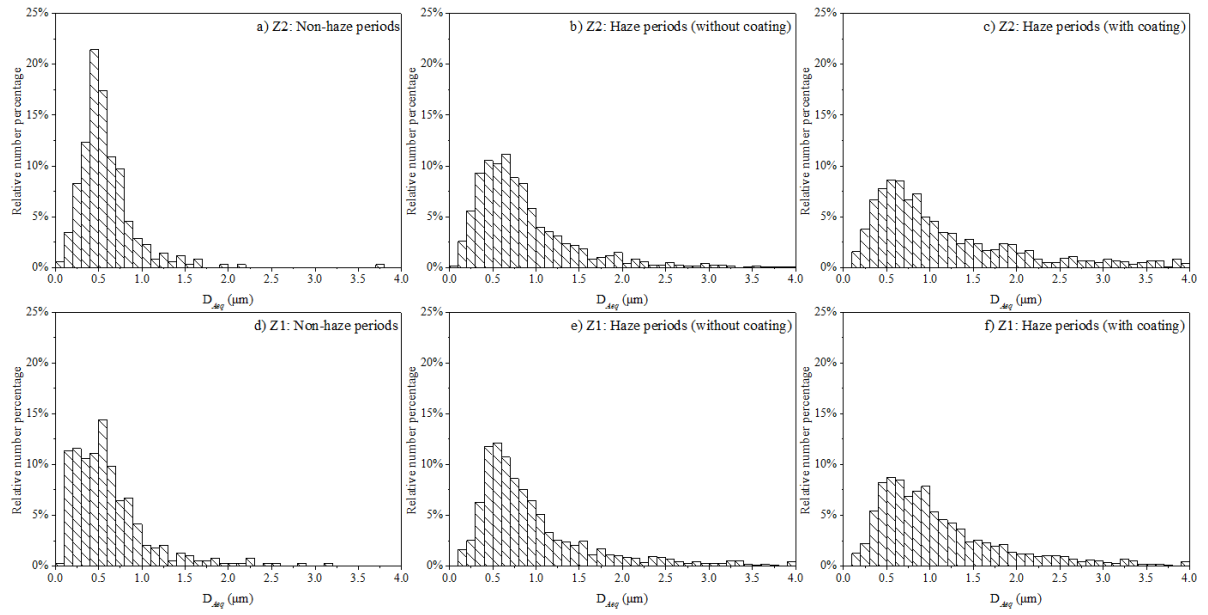


Fig. S3: Size distributions of individual particles in non-haze periods and haze periods. Z1 presented particles collected at ground level and Z2 presented particles collected above the mixed layer height. a) and c) were analyzed particle size distribution during non-haze periods. b) and e) were analyzed particle size distributions without calculating the coating size during haze periods, c) and f) were analyzed particle size distributions calculating the coating size during haze periods.

This figure showed that coatings increased the particle size during haze periods.

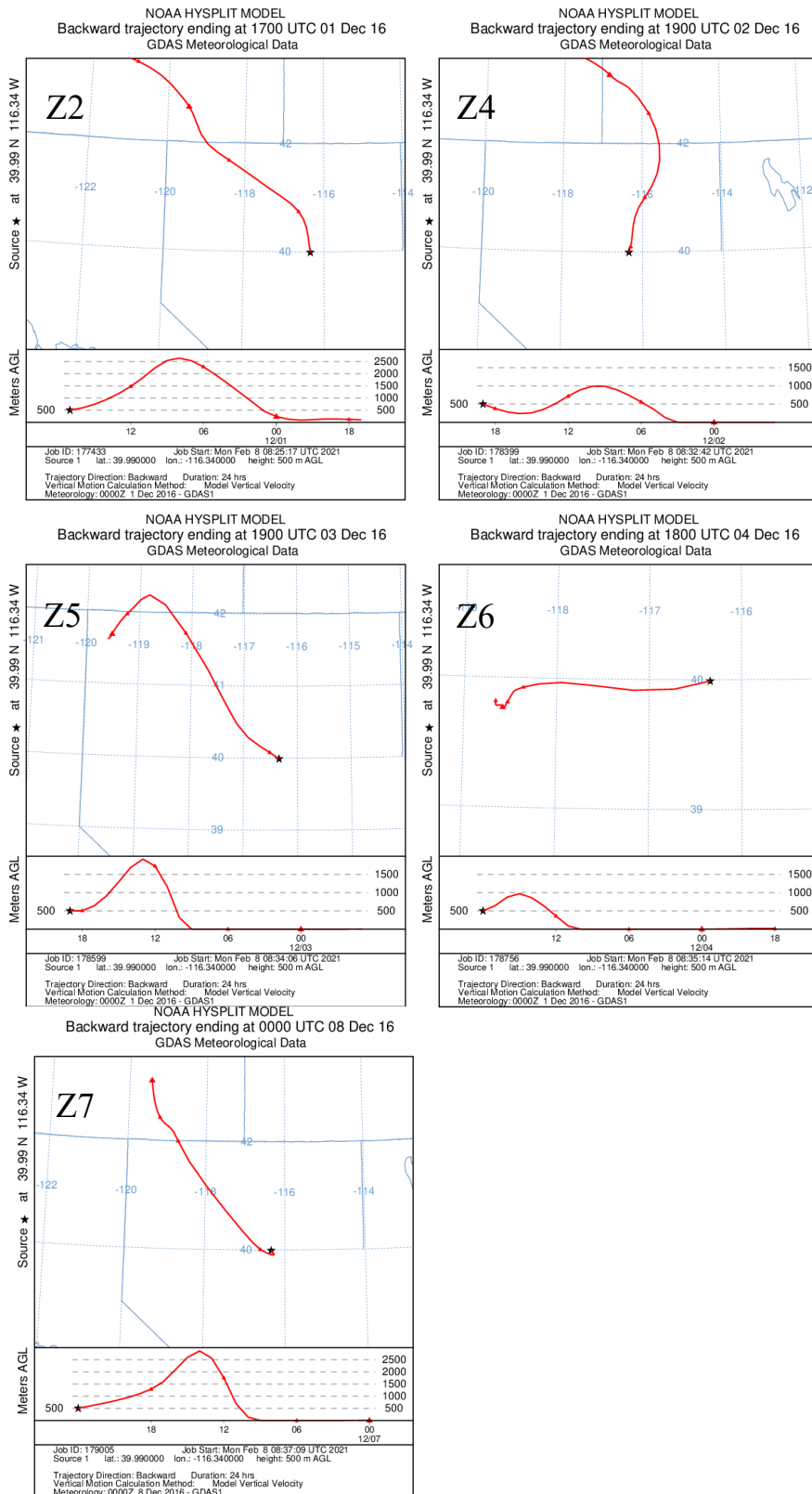


Fig. S4: 24-h Backward trajectories of air masses at the sampling site at 500 m during haze periods.