



*Supplement of*

## **Impact of meteorology and aerosol sources on PM<sub>2.5</sub> and oxidative potential variability and levels in China**

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**Captions of Supplementary Figures**

- 20 Figure S1. Density scatterplots of model performance and validation based on monthly mean  $PM_{2.5}$  observations for China in 2014 under scenario  $C_1$ .
- Figure S2. Density scatterplots of model performance and validation in scenario  $C_2$  and  $C_3$  for China in 2014.

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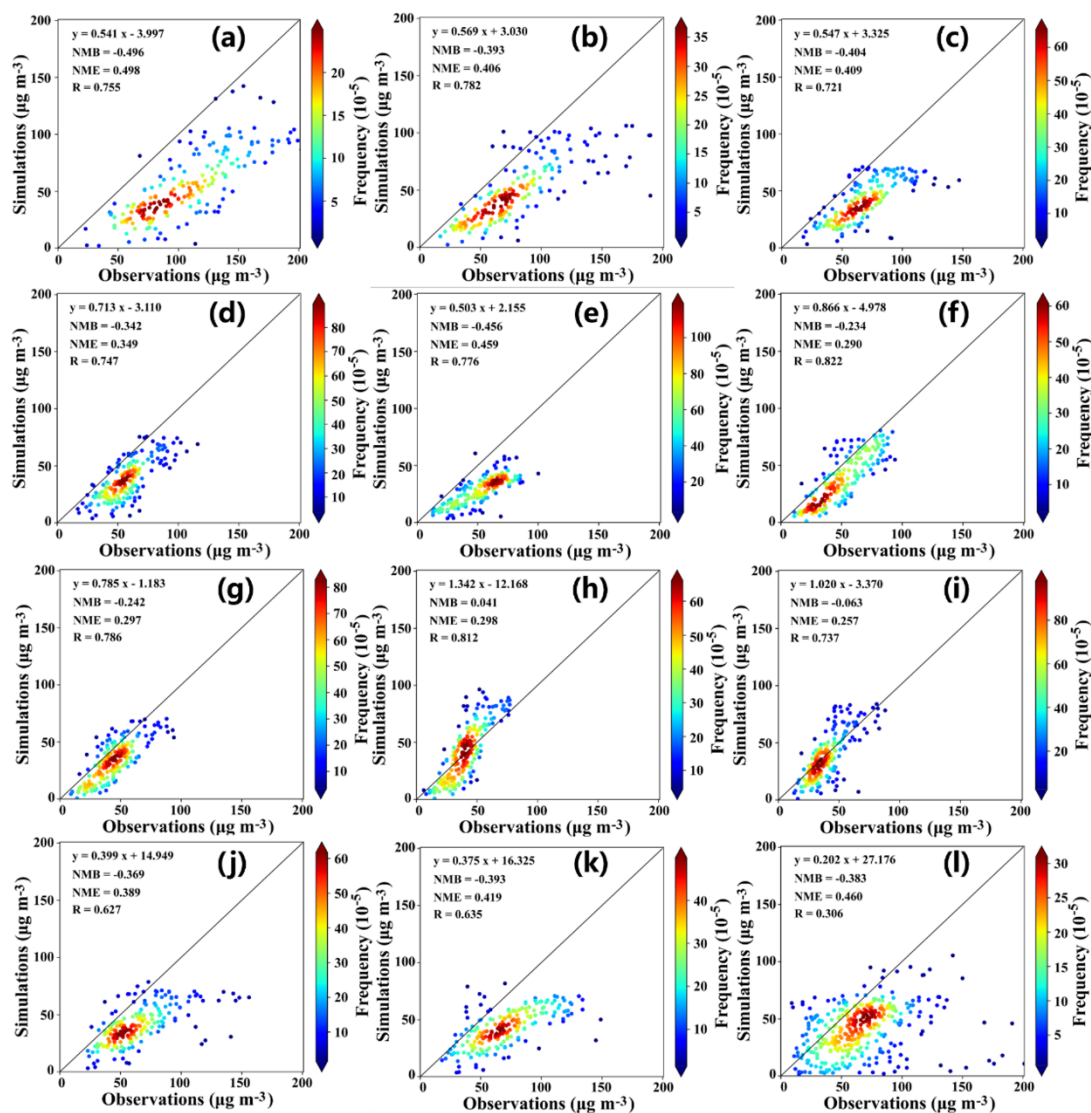


Figure S1. Density scatterplots of model performance and validation based on monthly mean  $\text{PM}_{2.5}$  observations for China in 2014 under scenario  $C_1$ ; (a) to (l) are the results from January to December.

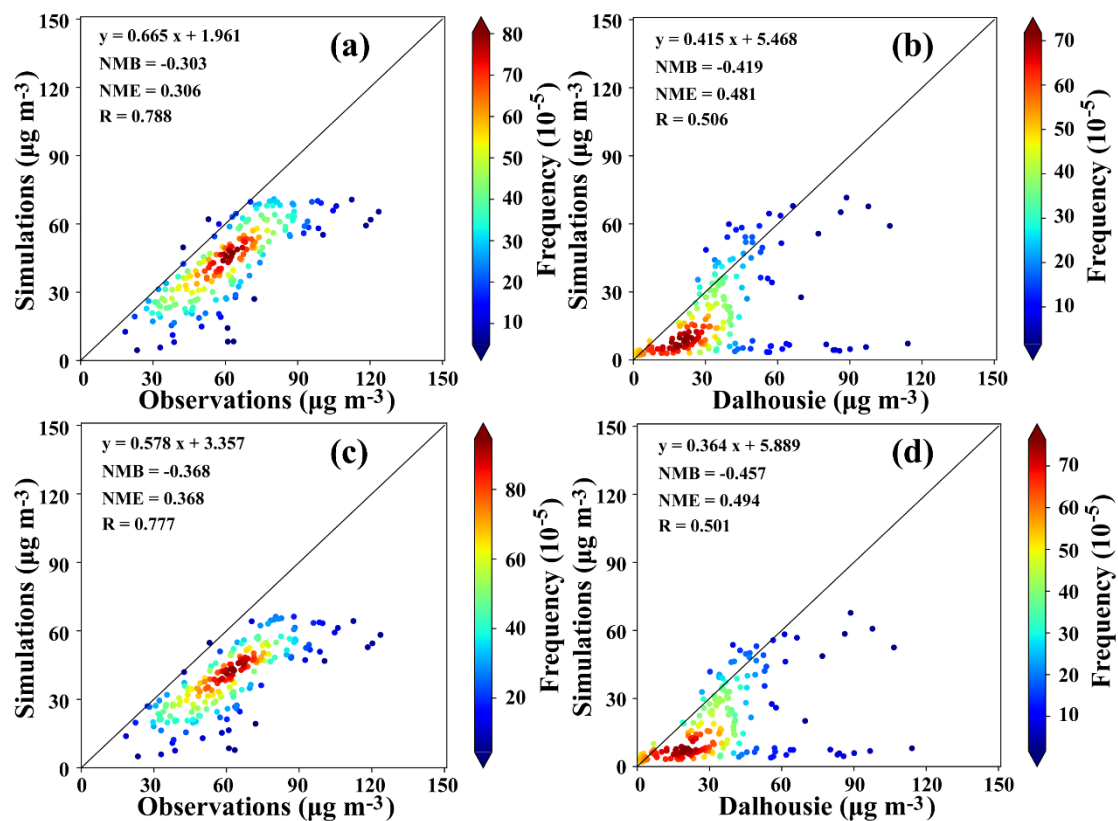


Figure S2. Density scatterplots of model performance and validation in scenario C<sub>2</sub> and C<sub>3</sub> for China in

2014; (a) and (b) represent the results in scenario C<sub>2</sub> based on annual mean PM<sub>2.5</sub> observations and annual

35 mean PM<sub>2.5</sub> derived from the Dalhousie dataset, respectively; (c) and (d) represent the results in scenario C<sub>3</sub>

based on annual mean PM<sub>2.5</sub> observations and annual mean PM<sub>2.5</sub> derived from the Dalhousie dataset,

respectively.