

*Supplementary materials for*

# The Effects of the Trans-regional Transport of PM<sub>2.5</sub> on a Heavy Haze Event in the Pearl River Delta in January 2015

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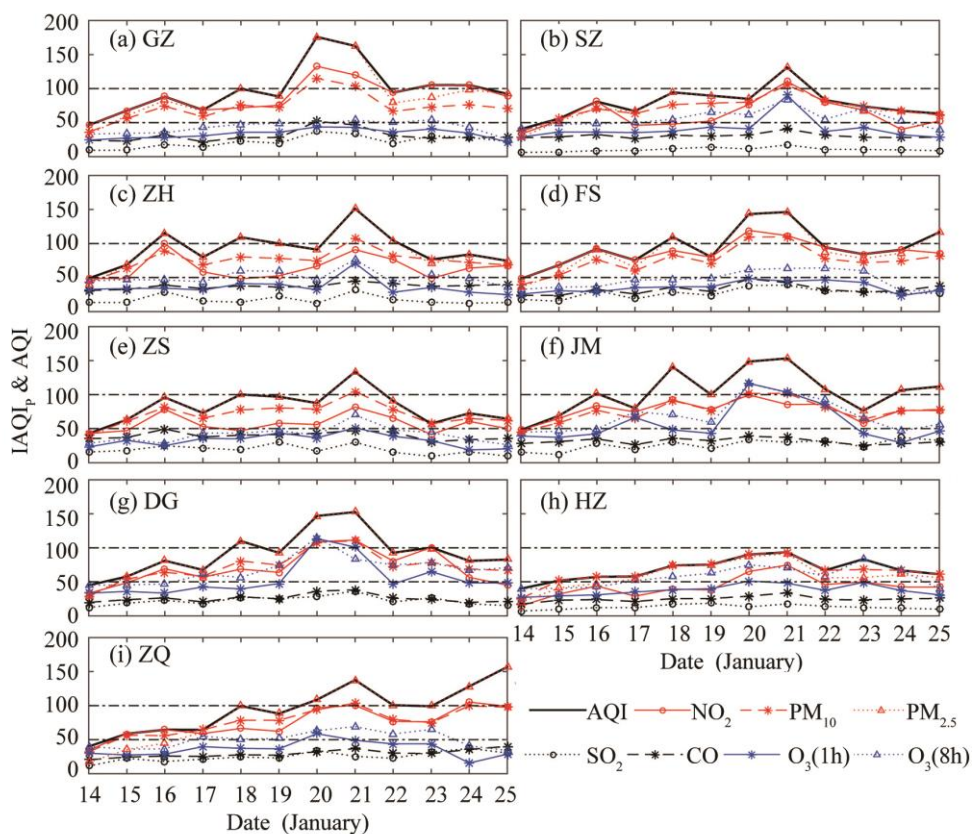
### **Figures S1-S3**

#### **Figures captions**

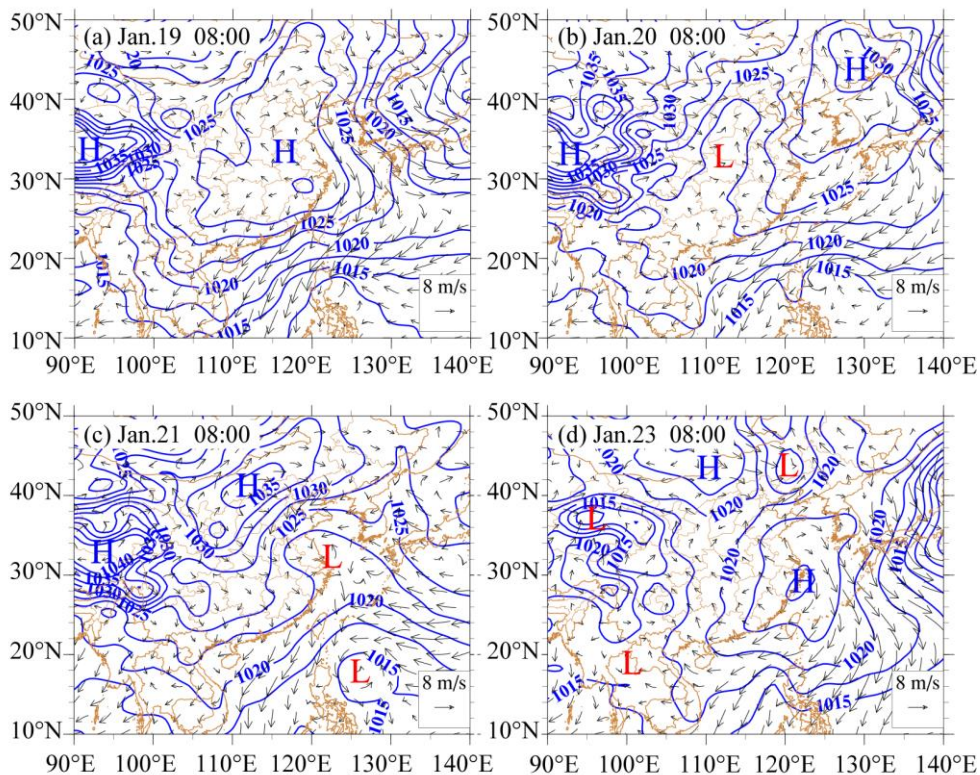
**Figure S1.** Time series of the daily AQI and IAQI of pollutant P in cities of the PRD from 14 to 25 January. From (a) to (i): GZ, SZ, ZH, FS, ZS, JM, DG, HZ, and ZQ.

**Figure S2.** Surface weather patterns over eastern Asia at 08:00 (LST) on (a) 19 January, (b) 20 January, (c) 21 January, and (d) 23 January in 2015.

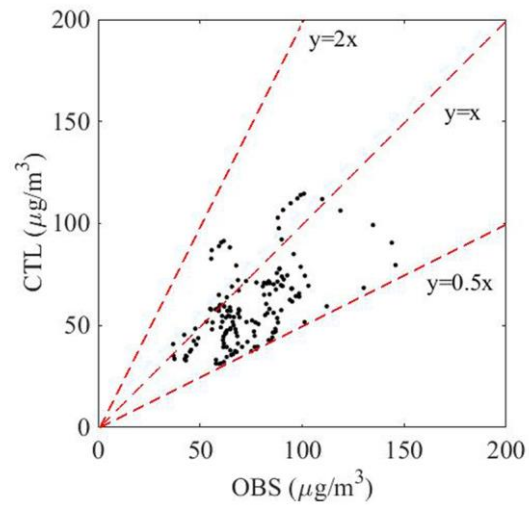
**Figure S3.** Comparison between regional average PM<sub>2.5</sub> concentration from OBS and CTL.



**Figure S4.** Time series of the daily AQI and IAQI of pollutant P in cities of the PRD from 14 to 25 January. From (a) to (i): GZ, SZ, ZH, FS, ZS, JM, DG, HZ, and ZQ.



**Figure S5.** Surface weather patterns over eastern Asia at 08:00 (LST) on (a) 19 January, (b) 20 January, (c) 21 January, and (d) 23 January in 2015.



**Figure S6.** Comparison between regional average PM<sub>2.5</sub> concentration from OBS and CTL.