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3 **Multisensor and Multimodel Monitoring and Investigation of an Air Pollution Event over**  
4 **Eastern China**

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## **Abstract**

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26     **1. Introduction**

27                 CO<sub>2</sub> emissions showed close relationship with haze pollution in China ([Xu et al., 2016](#)).

28     **2. Data and methods**

29     2.1 Episodes and observational data

30     On Dec. 9, 2016

31     **3. Results**

32     3.1 Synoptic meteorological forcing

33                 Fig. 1 shows southward penetration of the front and PM<sub>2.5</sub> and XCO<sub>2</sub> at the leading edge  
34                 of the front.

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36                 Fig. 2 shows low level air flow and pollutants and CO<sub>2</sub> enter the Jiangxi Basin through  
37                 the narrow channel.

38     **4. Conclusions**

39     A severe O<sub>3</sub> pollution event

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43     **References**

44     Xu, X., Zhao, T., Liu, F., Gong, S. L., Kristovich, D., Lu, C., . . . Ding, G. (2016). Climate modulation  
45                 of the Tibetan Plateau on haze in China. *Atmospheric Chemistry and Physics*, 16(3),  
46                 1365-1375. 10.5194/acp-16-1365-2016

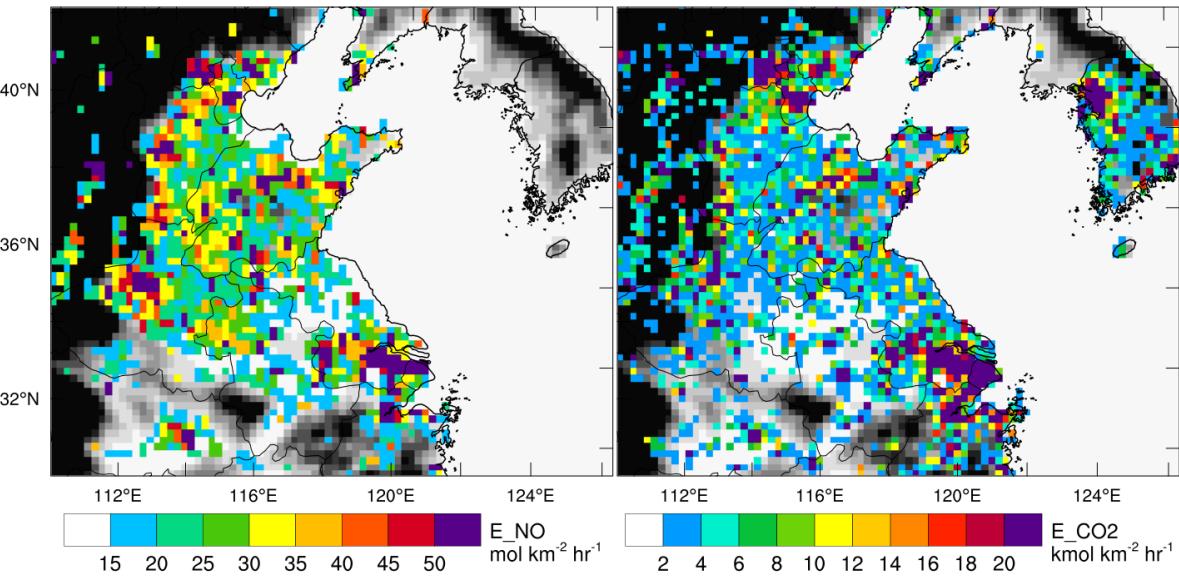
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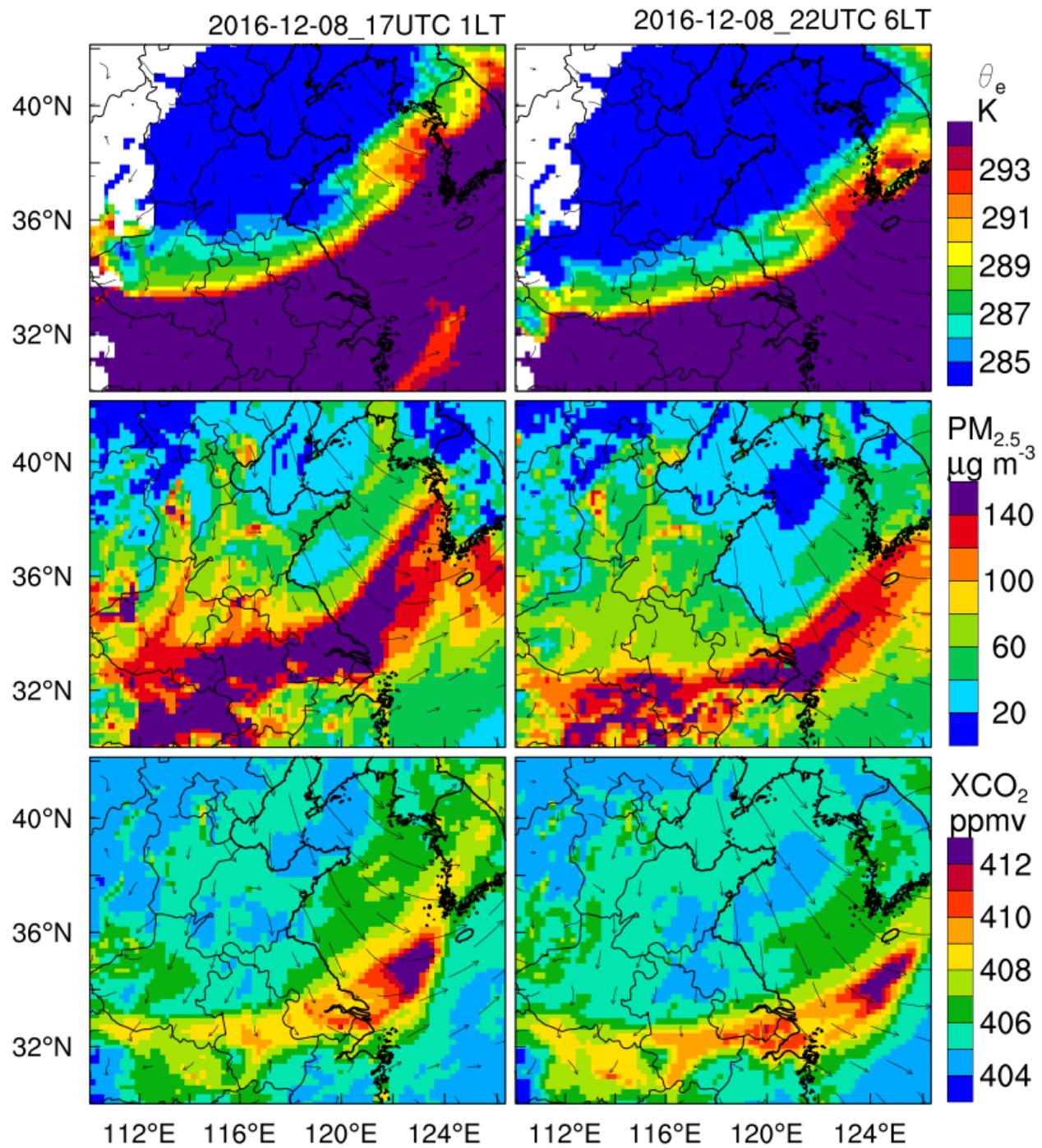
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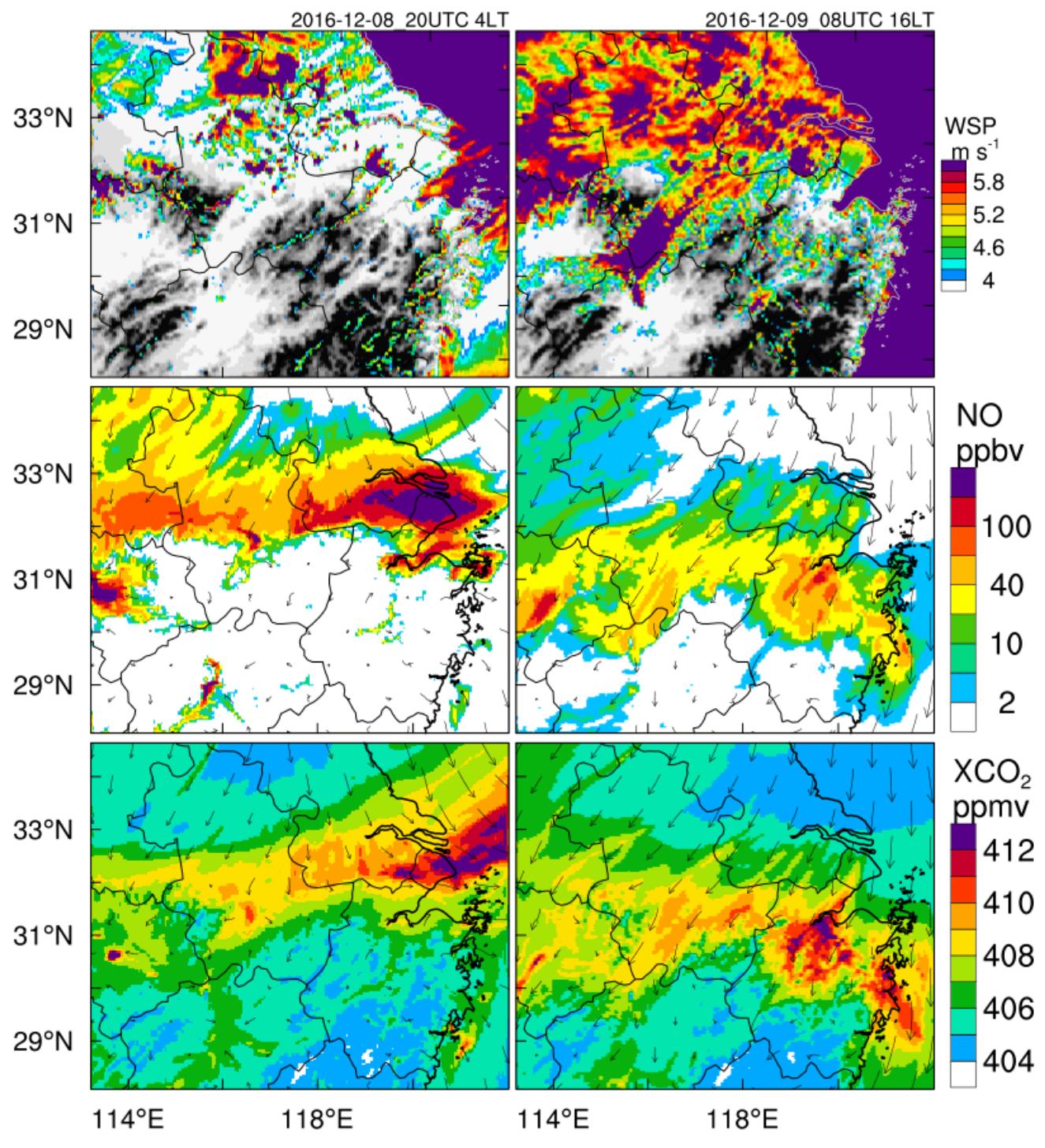
49 **Figure captions**

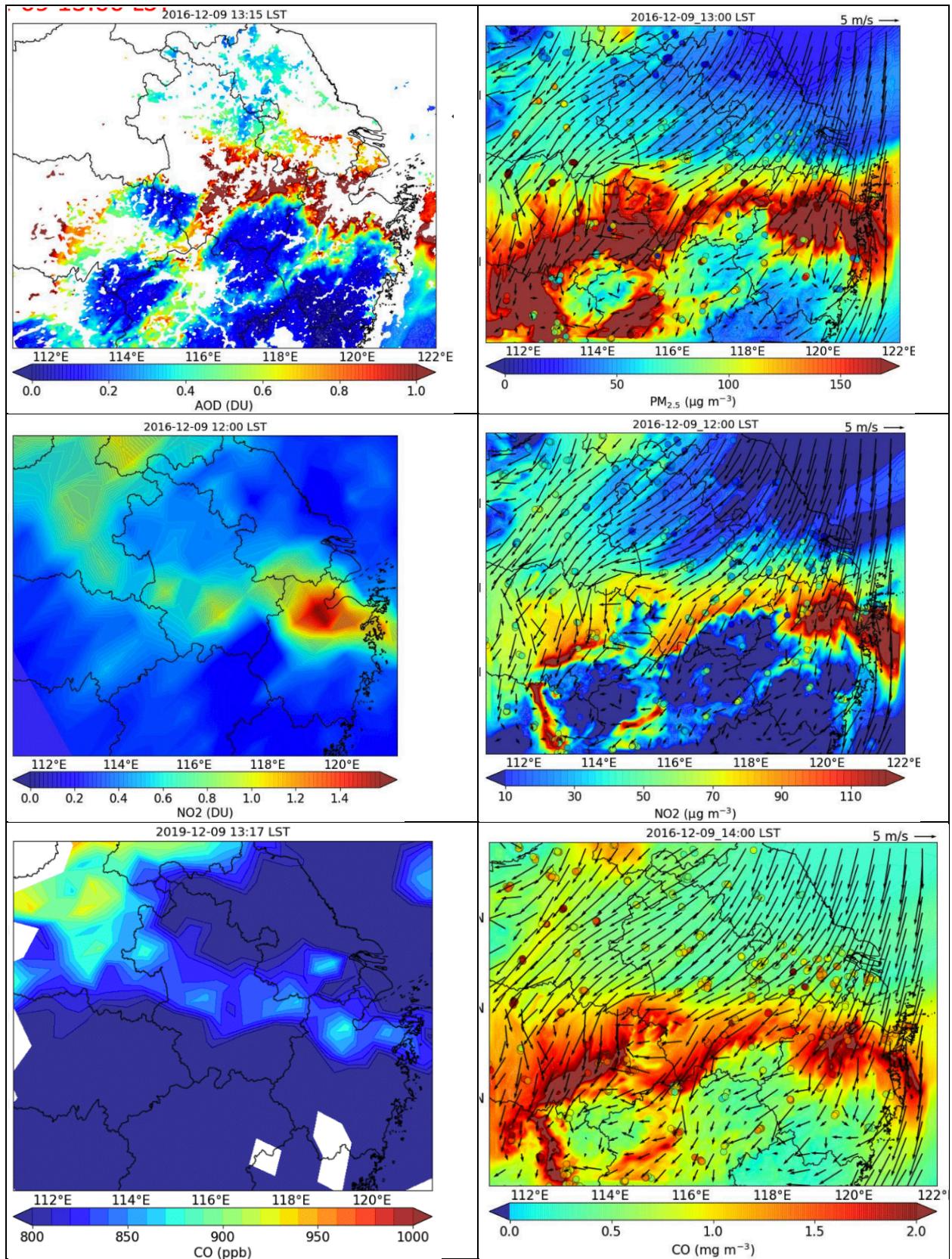
50 Figure 1.

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