Widespread and Persistent Ozone Pollution in Eastern China

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Supplementary Information Section

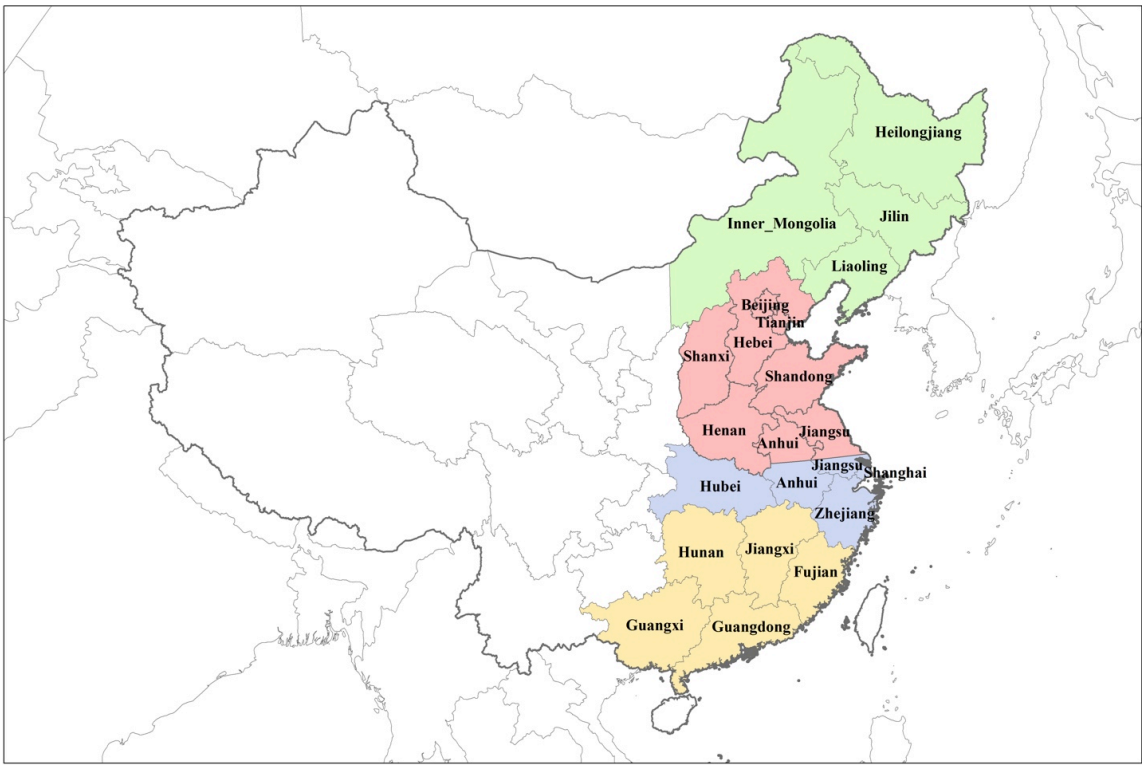
The supplementary information (SI) provides description about the NO_2 simulations.

Supplementary Figure Captions

SI-Figure 1 Defined four sections in Eastern China. 1) Northeast China (NEC): Heilongjiang, Jilin, Liaoning, and the east part of Inner Mongolia, 2) North China Plain and surrounding areas (NCPs): Beijing, Tianjin, Hebei, Shandong, Henan, Shanxi, and the north part of Jiangsu and Anhui, 3) YRD and surrounding areas (YRDs): the south part of Jiangsu and Anhui, Shanghai, Zhejiang, and Hubei, and 4) PRD and surrounding areas (PRDs): Fujian, Jiangxi, Hunan, Guangxi, and Guangdong.

SI-Figure 2 Pattern comparison of simulated vs. observed near-surface NO_2 at 08:00 BJT from 22 to 27 May 2015. Colored circles: NO_2 observations; color contour: NO_2 simulations; black arrows: simulated surface winds.

SI-Figure 3 Comparison of measured (black dots) and predicted (blue line) diurnal profiles of near-surface NO_2 averaged over all ambient monitoring stations in provinces of Eastern China from 22 to 28 May 2015.



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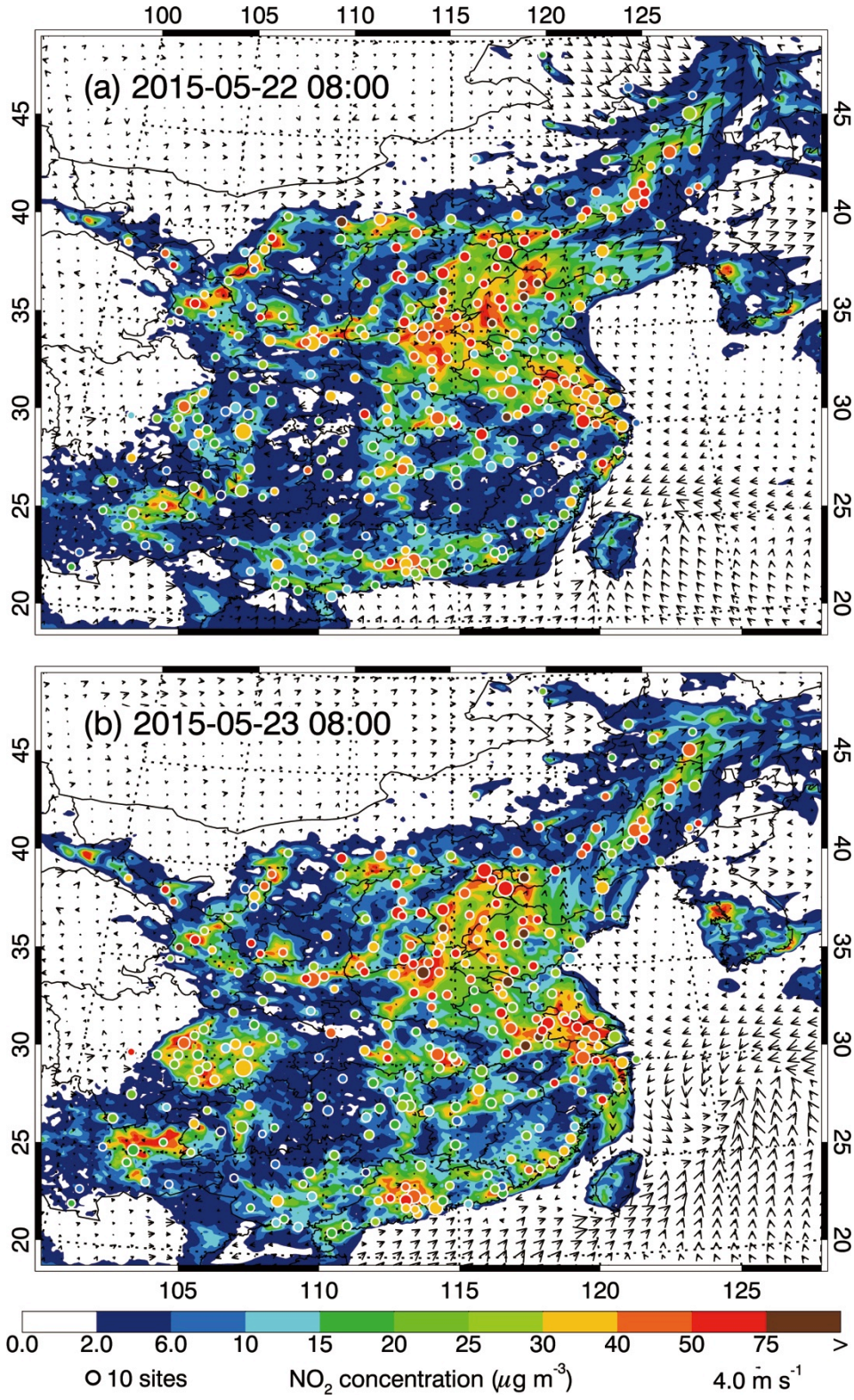

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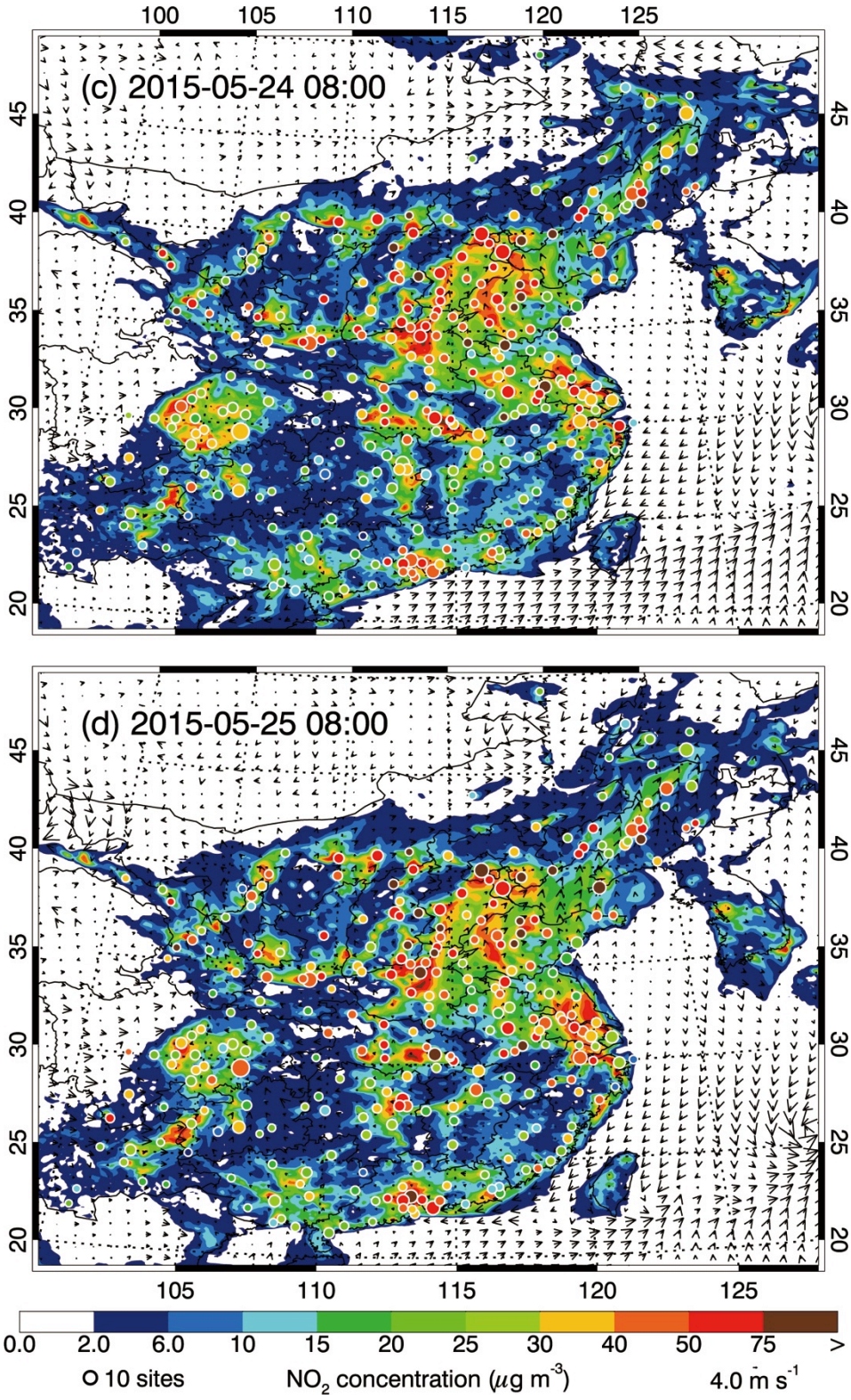
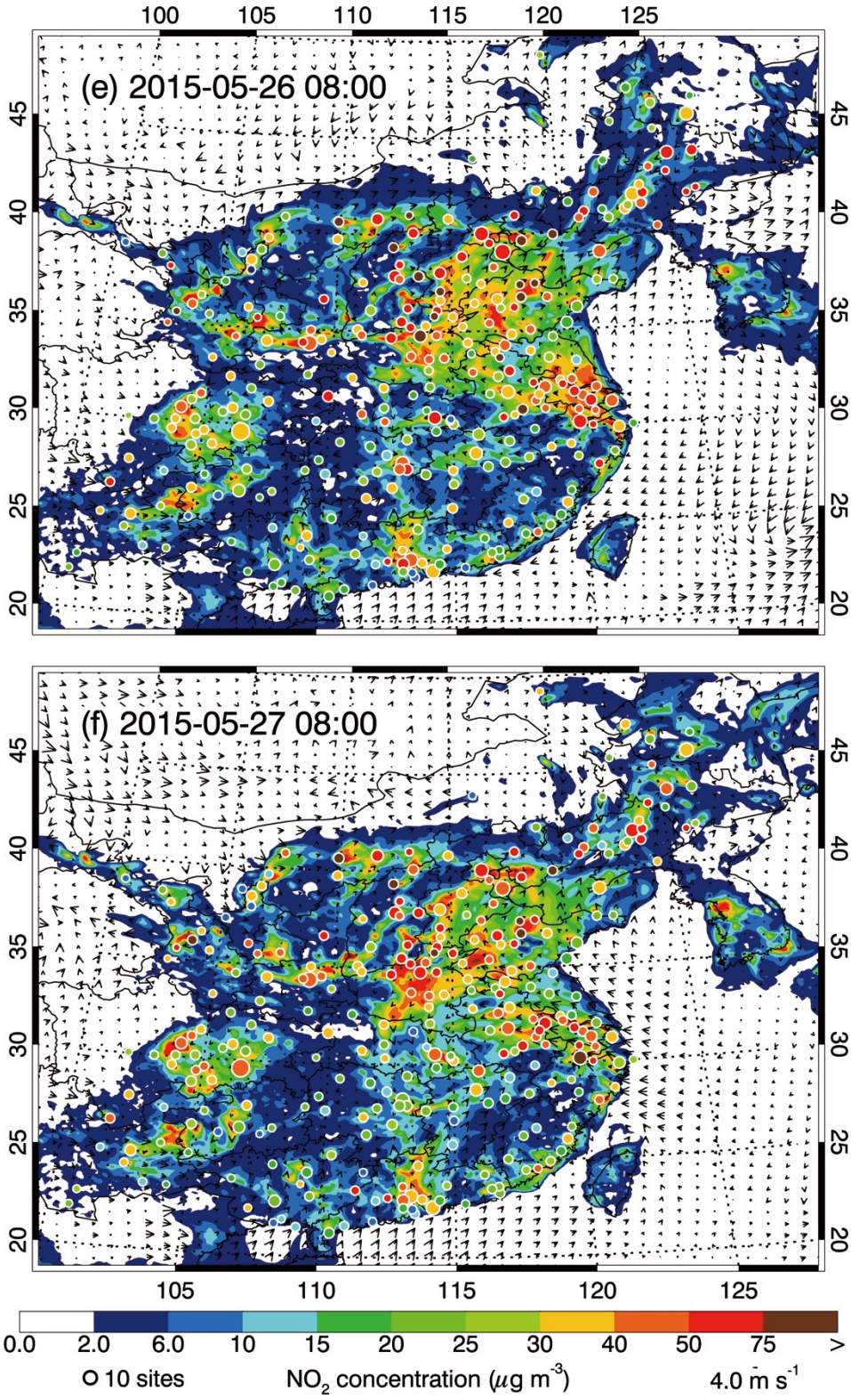


SI-Figure 2 Continued.



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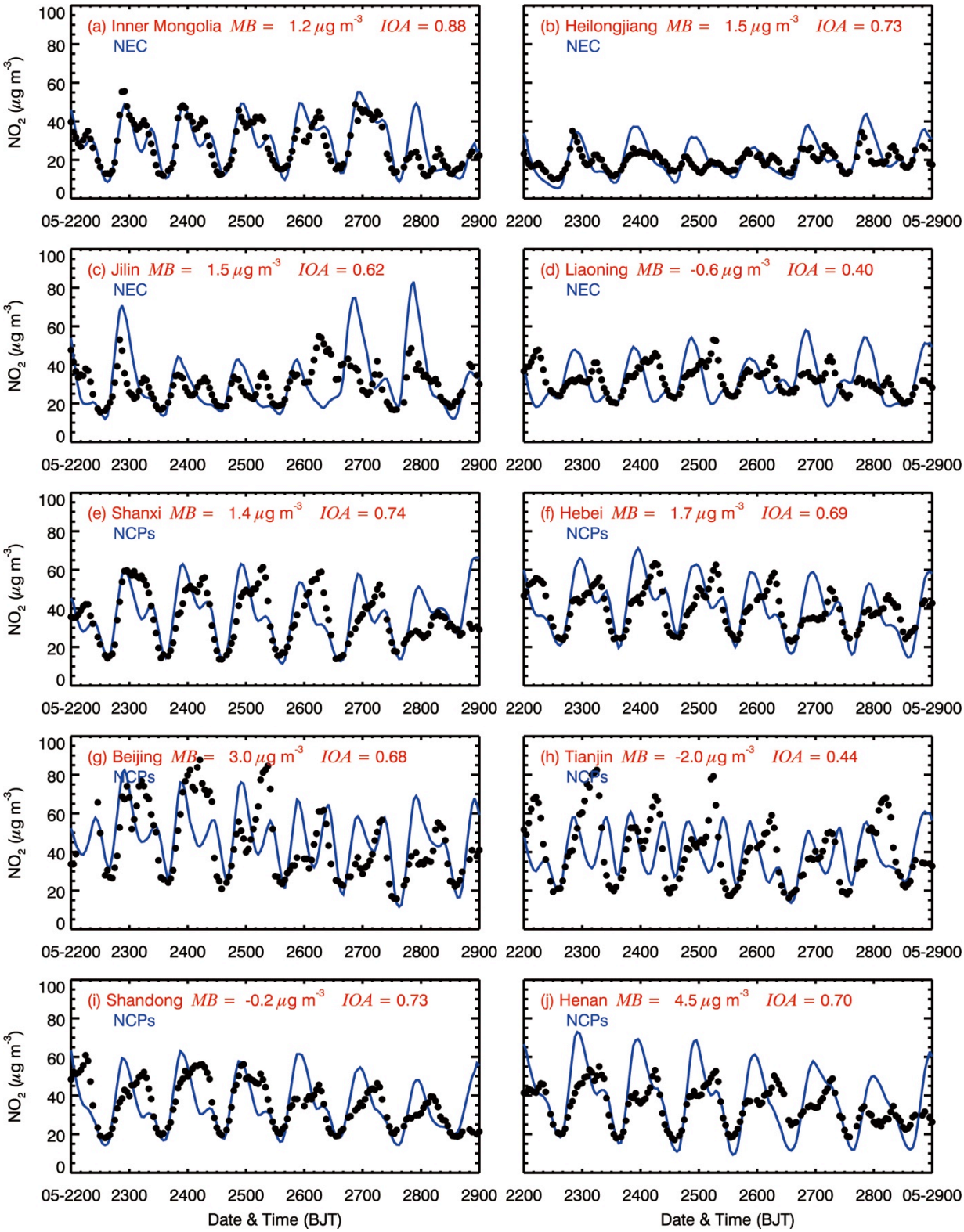
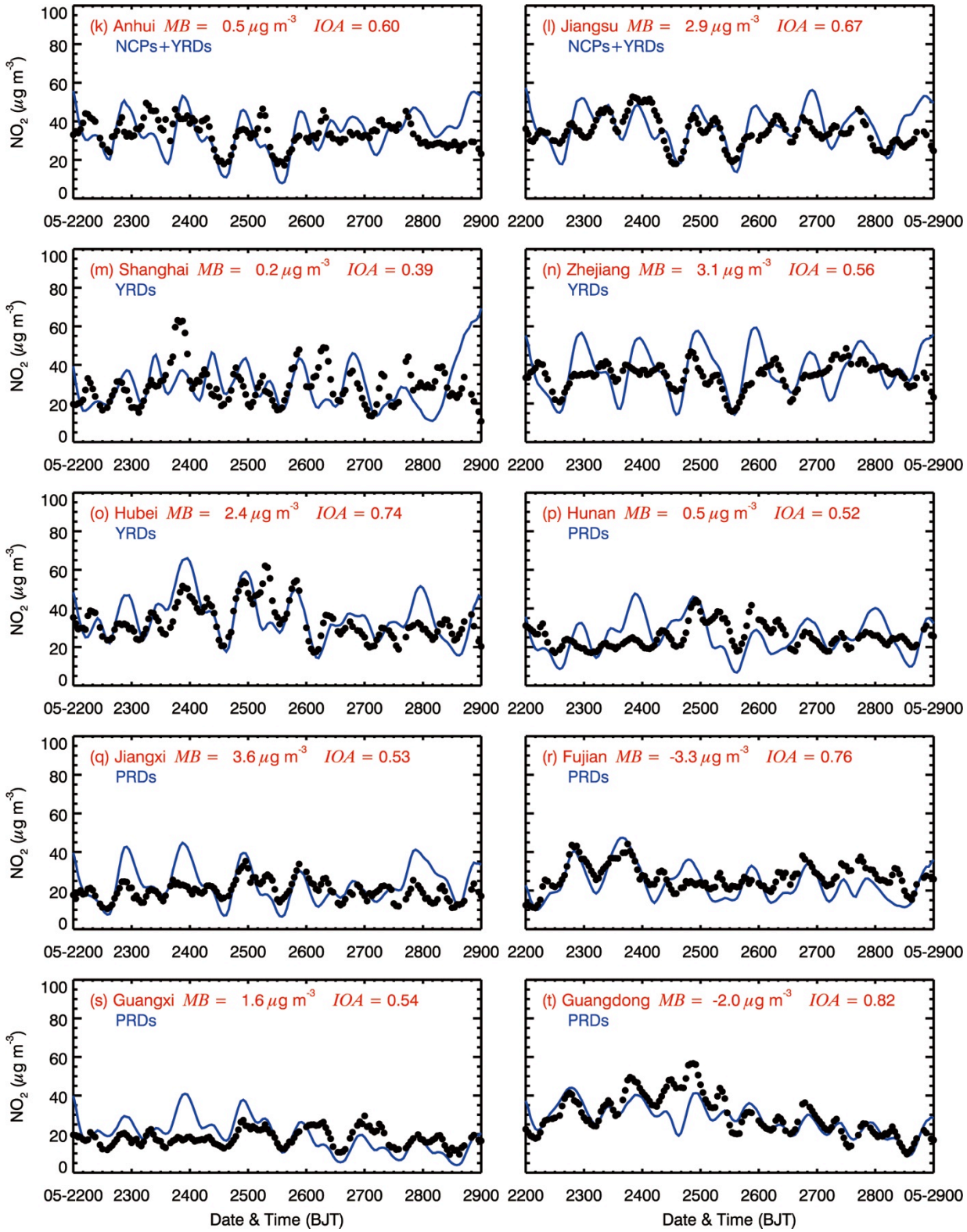


SI-Figure 3 Comparison of measured (black dots) and predicted (blue line) diurnal profiles of near-surface NO_2 averaged over all ambient monitoring stations in provinces of Eastern China from 22 to 28 May 2015.



SI-Figure 3 Continued.