

**Re: We thank the Editor's comments on our manuscript. We have carefully taken your comments into considerations in preparing our revision, and below marked in blue is our response to your comment, or you can see the revised manuscript for more details. Thanks again for your comments.**

**Specific:**

**Editor:**

Your figures #5 and #9 are very low in quality and this is why, some parts are not even readable when zoomed in. For the next revision, please change these figures with higher quality versions.

Re: Thank you for your comment, the quality of figure #5 and figure #9 are improved now as show in below, and these figures have been updated in the revised manuscript.pdf, higher quality figures can be found in the Figures.zip or manuscript.docx.

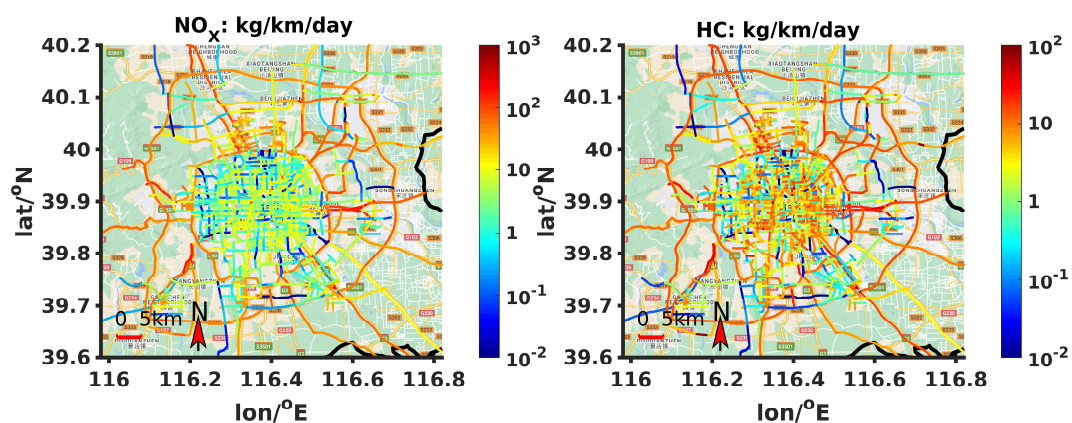


Figure 5. Horizontal distributions of the NO<sub>x</sub> and HC emissions (unit: kg/km/day) at the street-network in Beijing urban and suburban area during August 2021 (Imagery © 2022 Google, map data © 2022 Google).

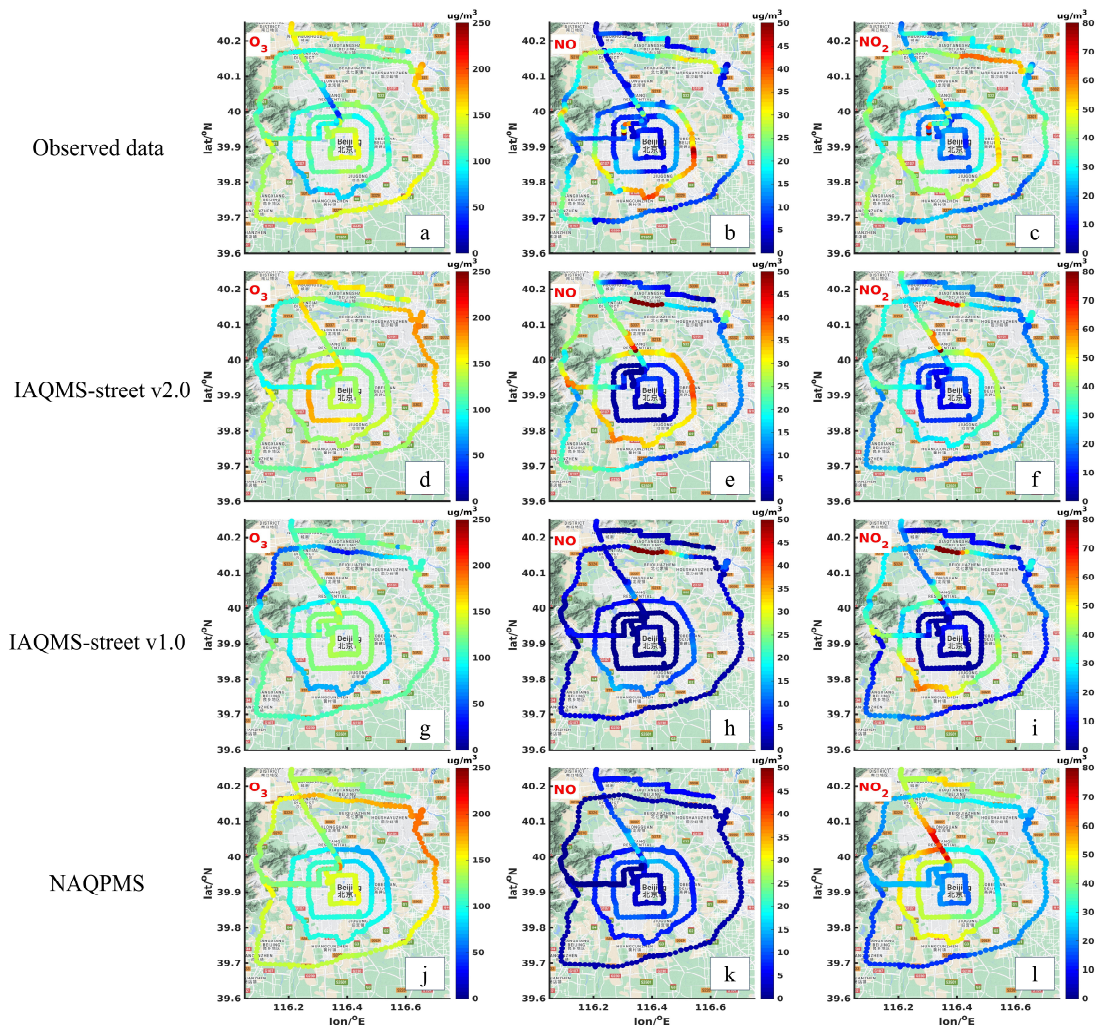


Figure 9. Horizontal distributions of the observed  $O_3$  concentration (a),  $NO$  concentration (b), and  $NO_2$  concentration (c) at the street scale and simulation results by the two-way coupled model in IAQMS-street v2.0 (d–f), IAQMS-street v1.0 (g–i), and NAQPMS (j–l) (Imagery © 2022 Google, map data © 2022 Google).

Date of this revision:

1 Sep 2023