



Supplement of

Variable effects of spatial resolution on modeling of nitrogen oxides

Chi Li et al.

Correspondence to: Chi Li (lynchlee90@gmail.com)

The copyright of individual parts of the supplement might differ from the article licence.

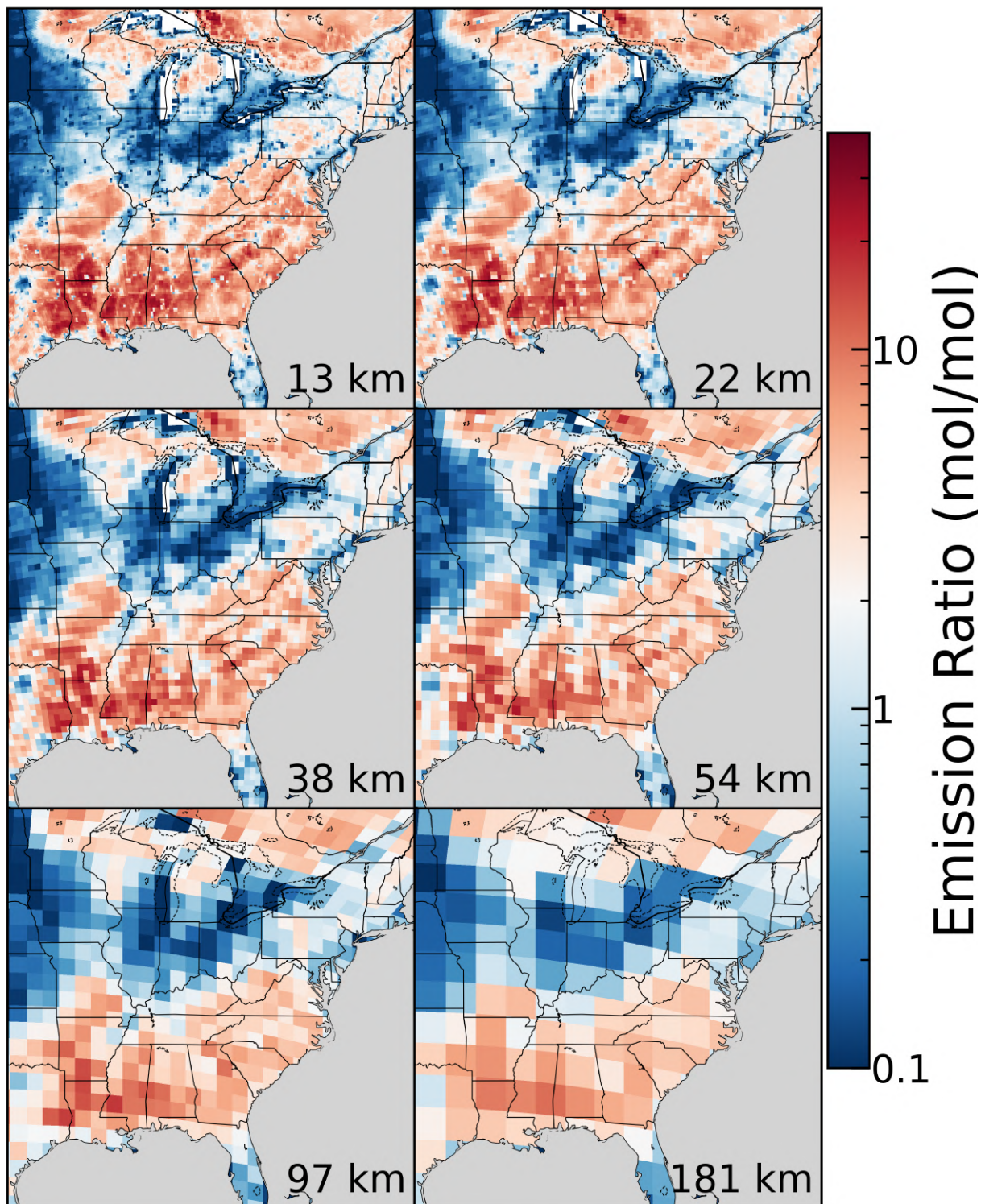


Figure S1. Similar to Fig. 1a but including all the six resolutions.

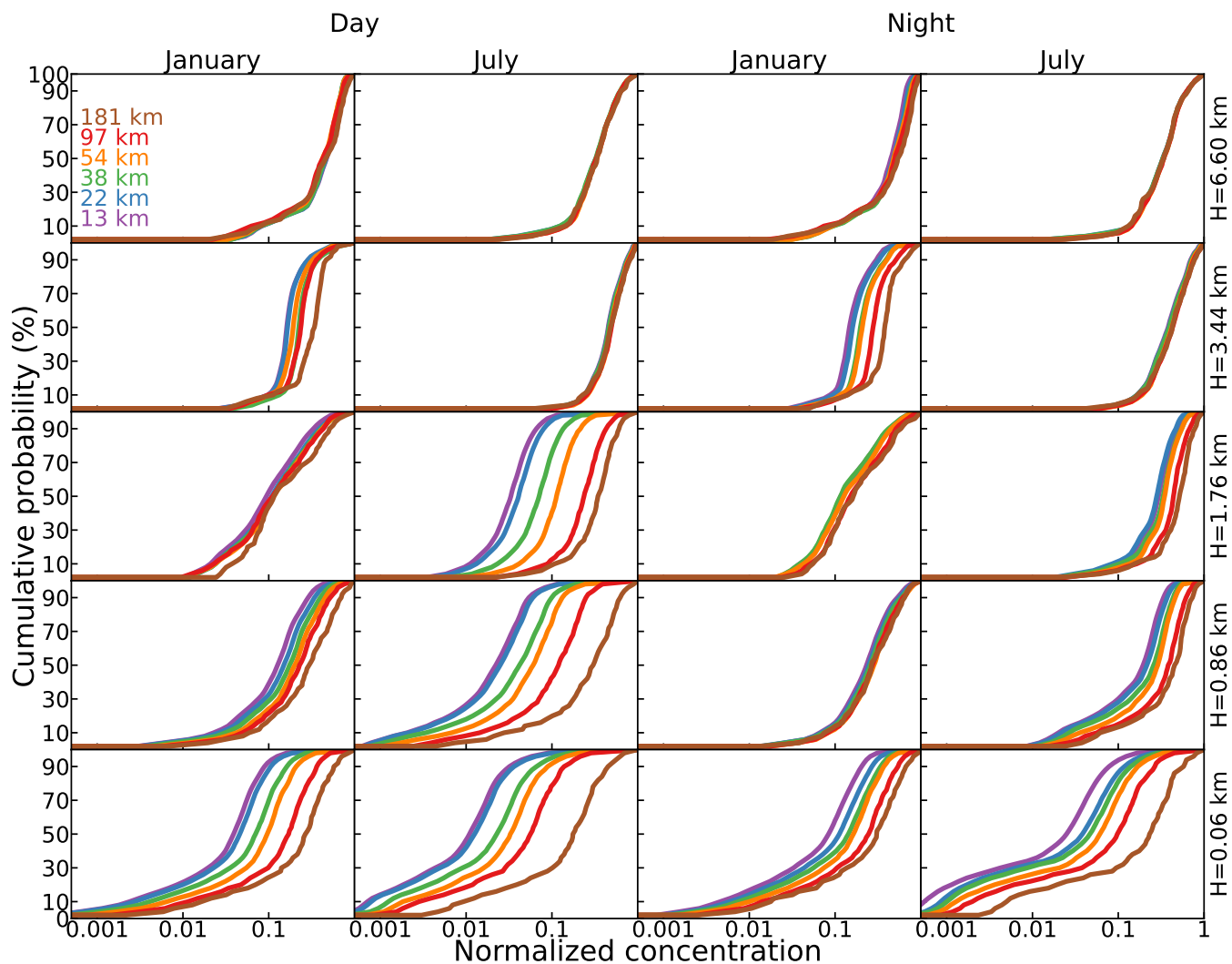


Figure S2. Cumulative histogram of simulated NO_x concentration (normalized to 0-1) at different altitudes (rows, each corresponding to the 1st, 7th, 13th, 19th and 25th layer of GEOS-Chem) and resolutions (colors) within the eastern US domain. The NO_x spatial heterogeneity is reduced at coarser vs. finer resolutions, at colder vs. warmer seasons, at higher vs. lower altitudes, and at nighttime vs. daytime.

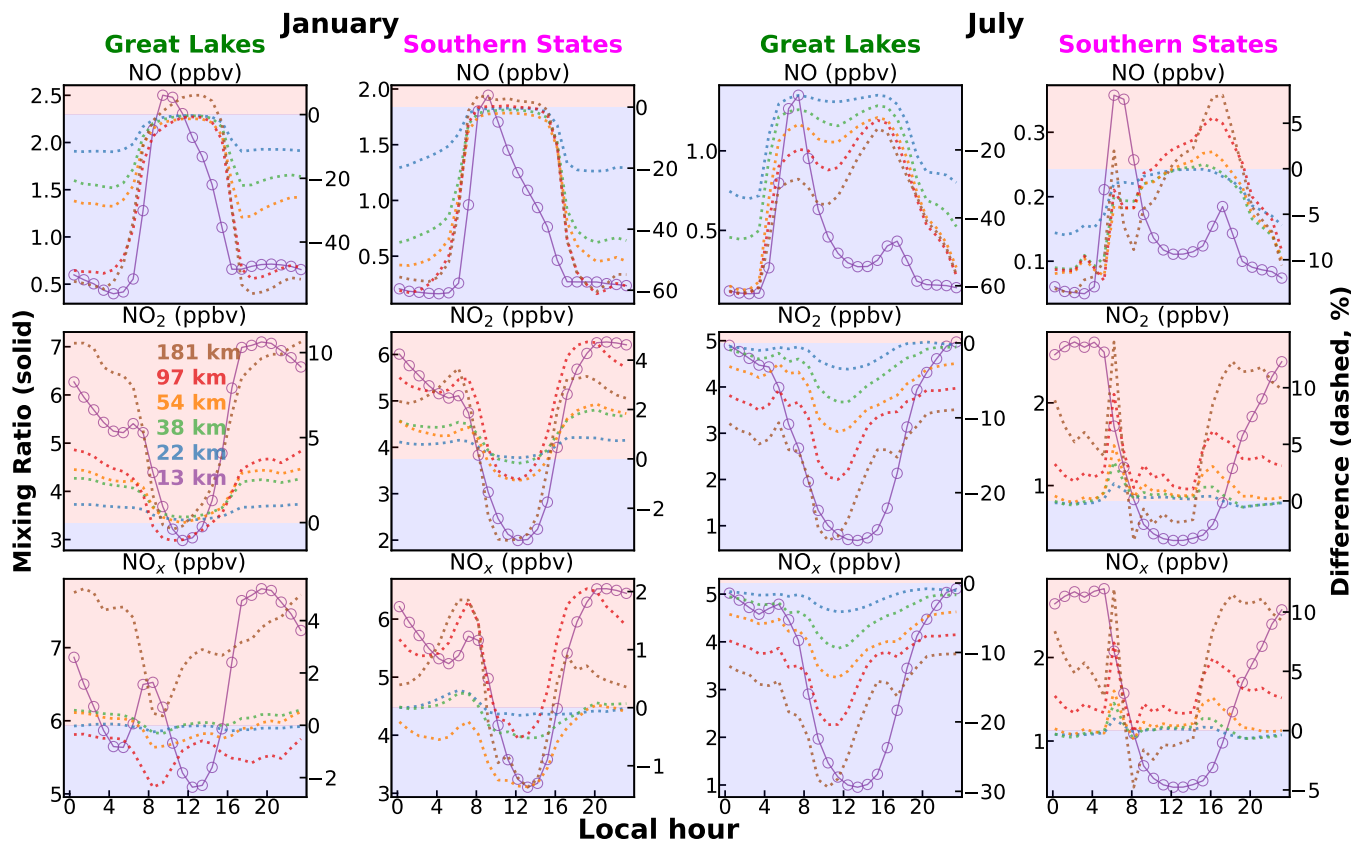


Figure S3. Similar to Fig. 3 but for surface NO, NO₂ and NO_x.