

Supplementary material for

Impacts of Urbanization and its Parameters on Thermal and Dynamic Fields in Hangzhou: a Sensitivity Study using the Weather Research and Forecasting-Urban Model

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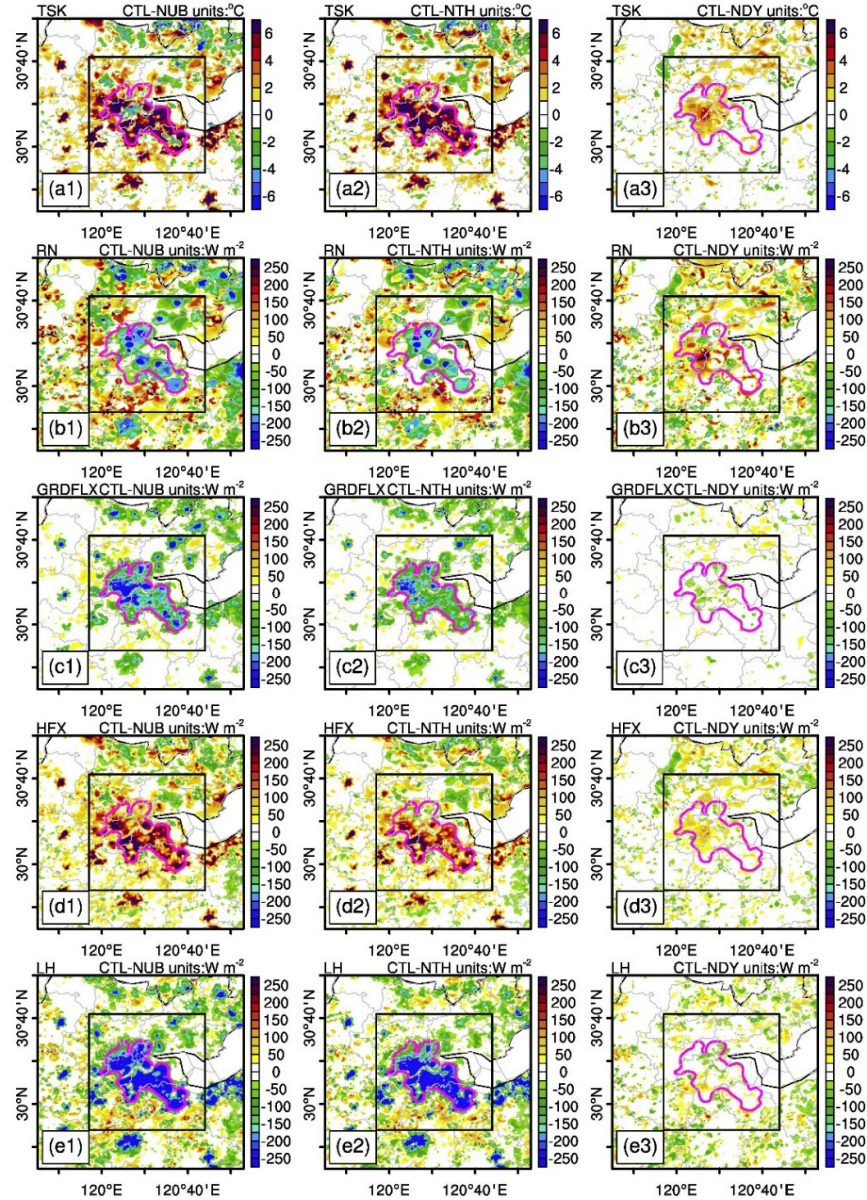


Figure S1. Differences in (a1-a3) surface skin temperature ($^{\circ}\text{C}$), (b1-b3) surface net radiation (W m^{-1}), (c1-c3) ground heat flux (W m^{-2}), (d1-d3) sensible heat flux (W m^{-2}), and (e1-e3) latent heat flux (W m^{-1}) averaged during 10:00 to 13:00 BST on 26 July 2018 between the control test (CTL) and (left) NoUB, (middle) NoTH, and (right) NoDY test.

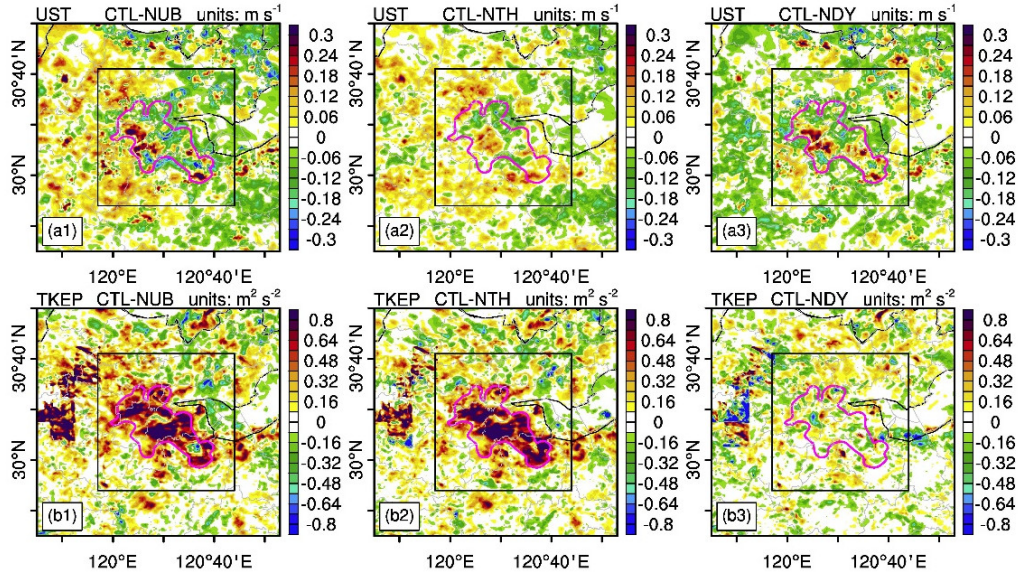


Figure S2. Same as Figure S1 but for (a1-a3) friction velocity UST (m s^{-1}) and (b1-b3) turbulent kinetic energy TKEP ($\text{m}^2 \text{s}^{-2}$) at 850h Pa during 10:00 to 18:00 BST on 26 July 2018.