

Dear Polina Shvedko,

We would like to thank you for the constructive comment really helping to improve this manuscript. Below, we address the comment in full detail. Following your comment in black, please find our point-to-point responses in blue. Hereafter, all new added or modified sentences are marked in blue and italic in this response.

Regarding figures 3, 6: please ensure that the colour schemes used in your maps and charts allow readers with colour vision deficiencies to correctly interpret your findings. Please check your figures using the Coblis – Color Blindness Simulator (<https://www.color-blindness.com/coblis-color-blindness-simulator/>) and revise the colour schemes accordingly.

Response: We revised colour schemes in figures 3 and 6 as follows.

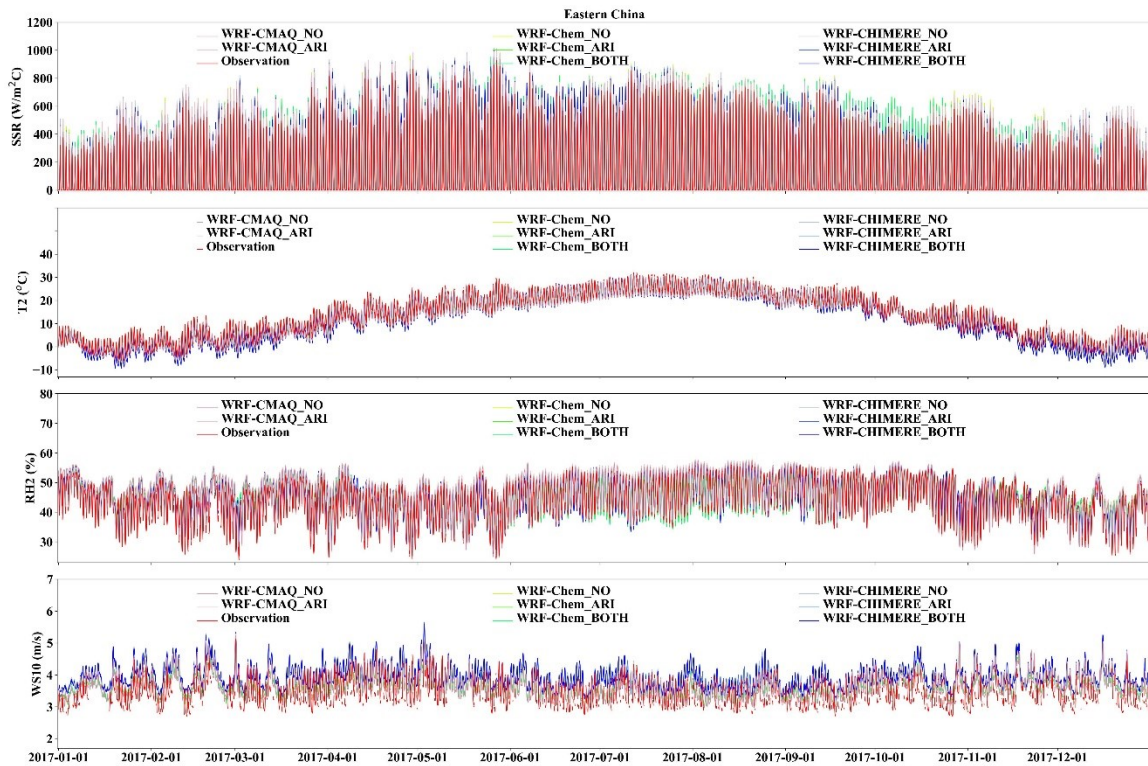


Figure 3. Time series of the observed and simulated hourly SSR, T2, RH2, and WS10 by coupled WRF-CMAQ, WRF-Chem, and WRF-CHIMERE with/without aerosol feedbacks over ECR in 2017.

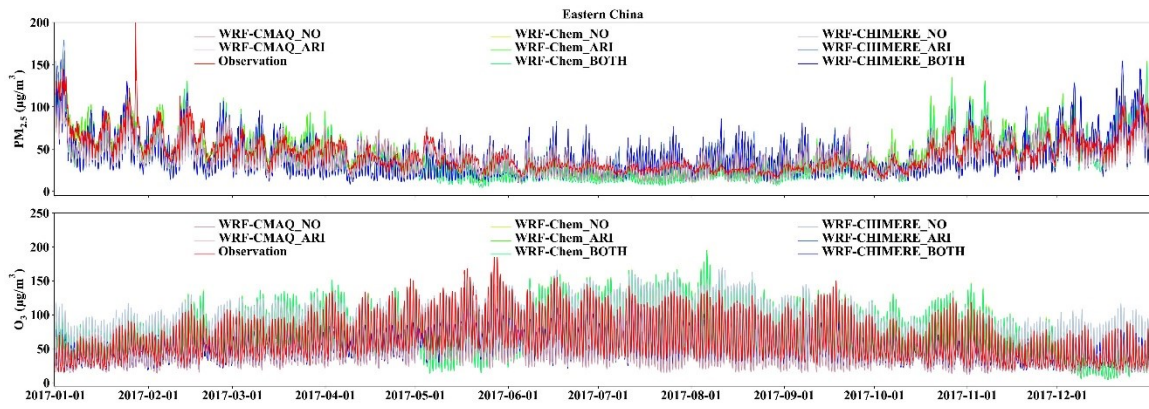


Figure 6. Time series of the observed and simulated hourly PM_{2.5} and O₃ concentrations by WRF-CMAQ, WRF-Chem, and WRF-CHIMERE with/without aerosol feedbacks over ECR in 2017.