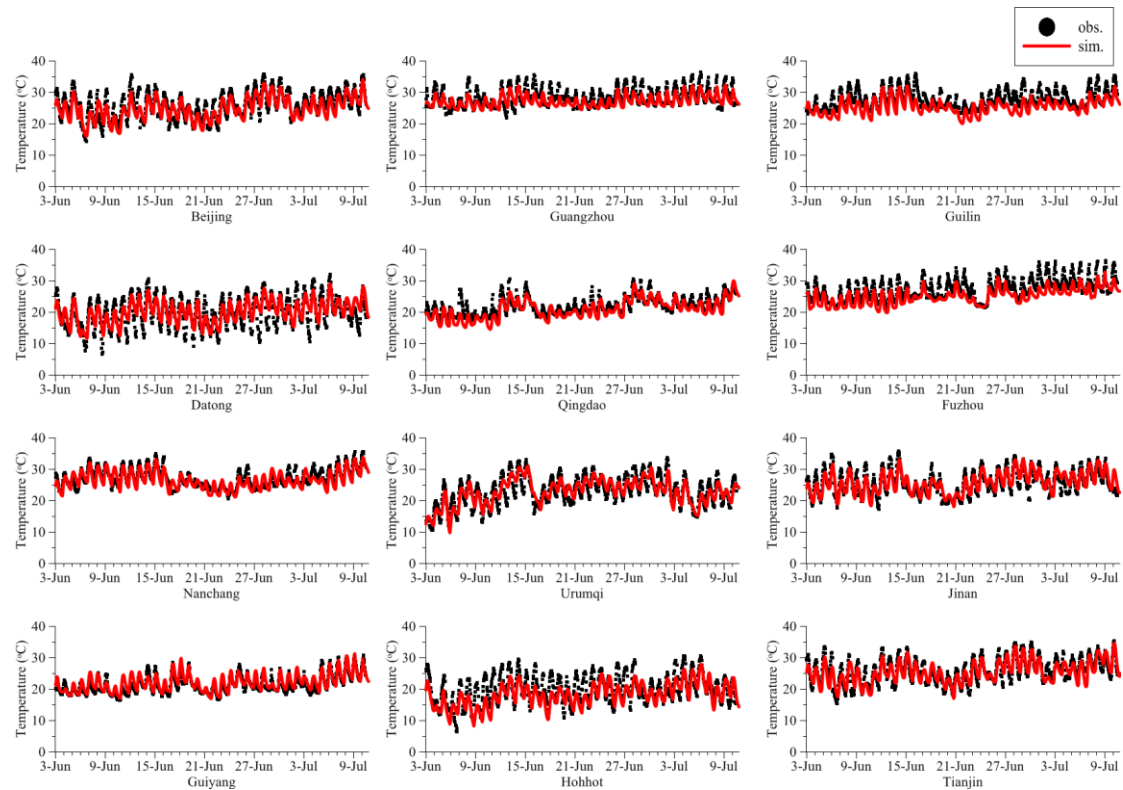
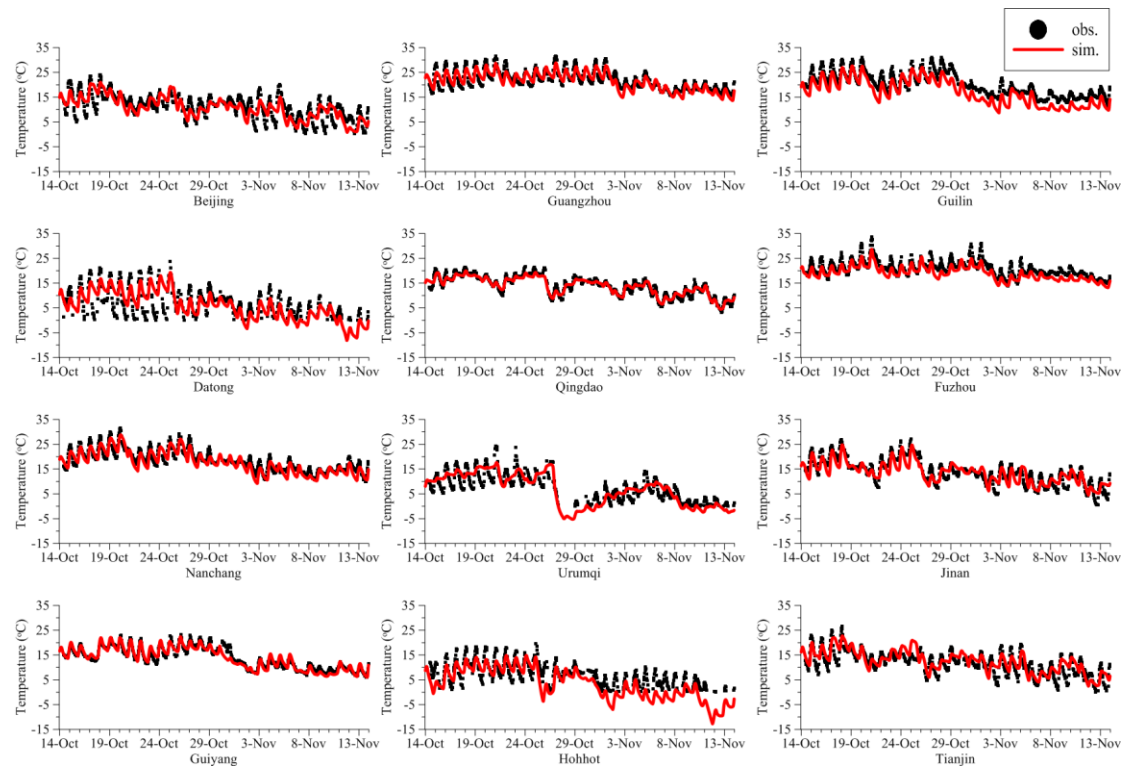
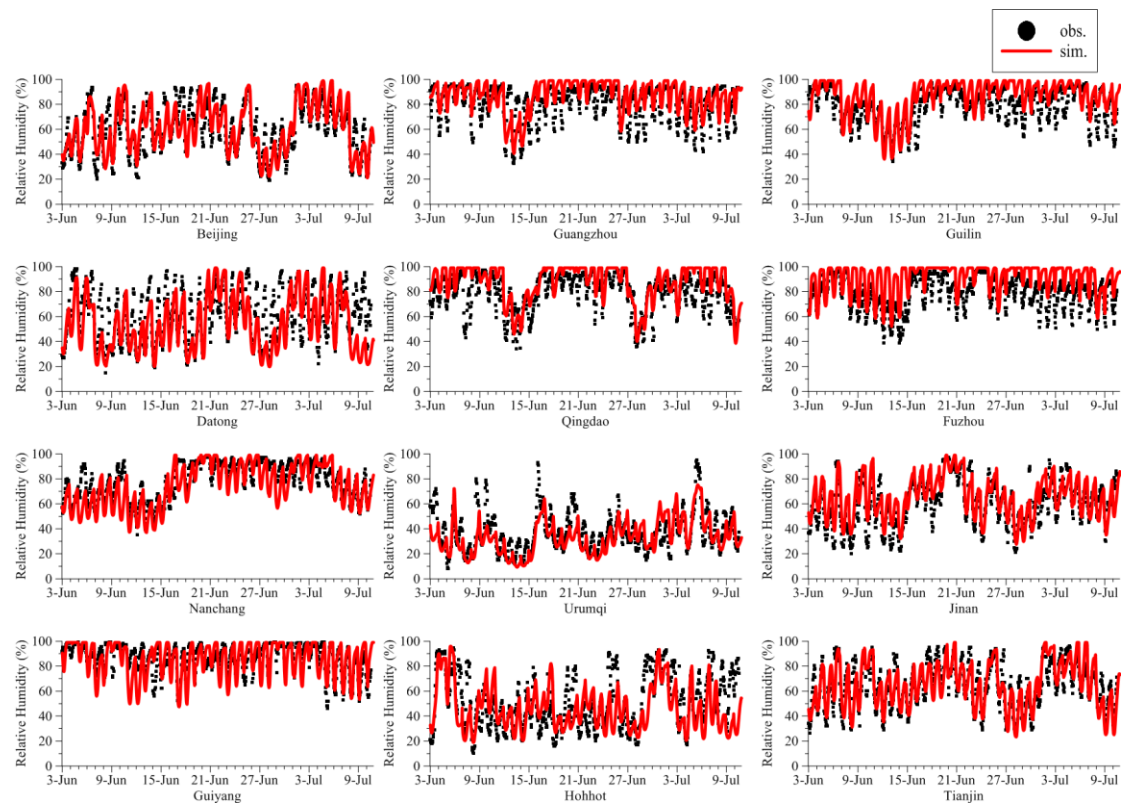
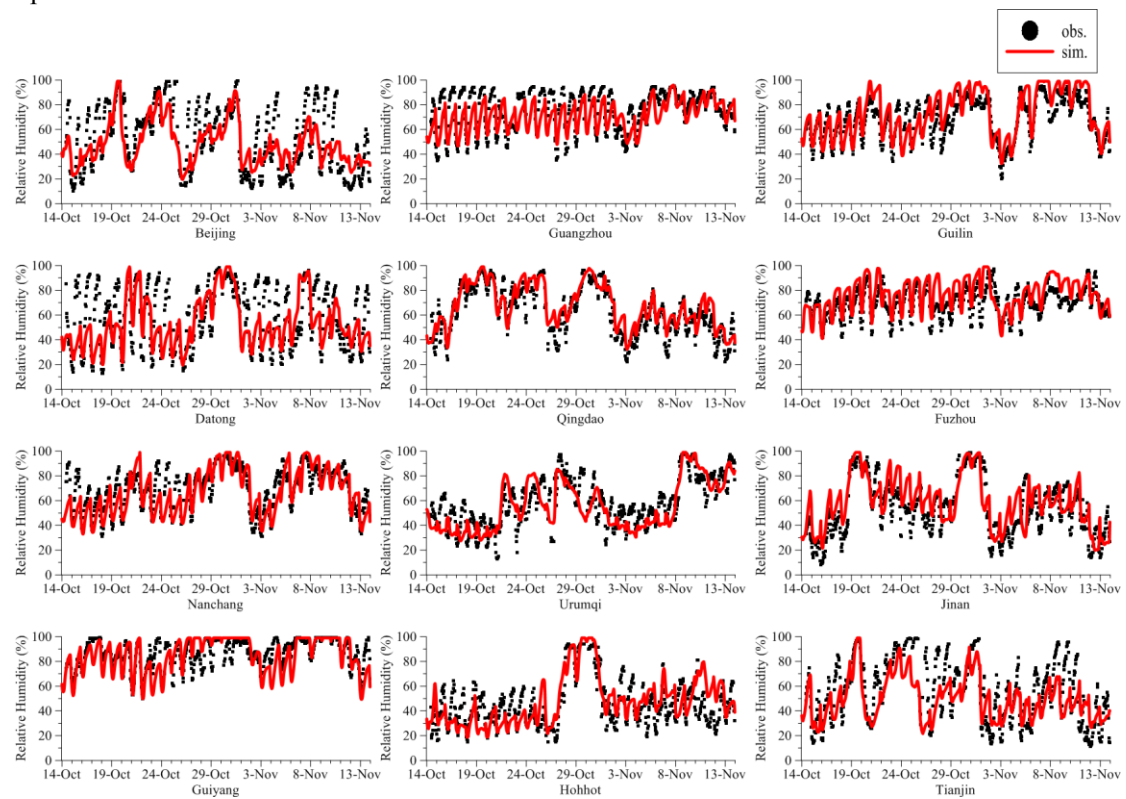
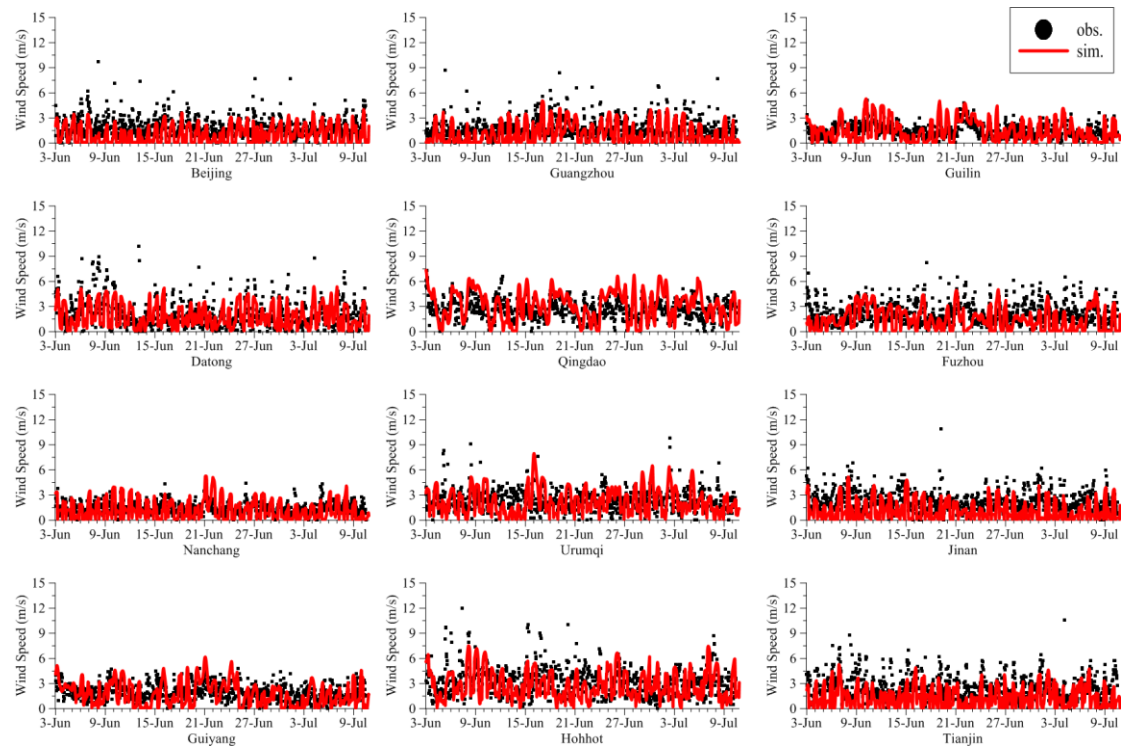
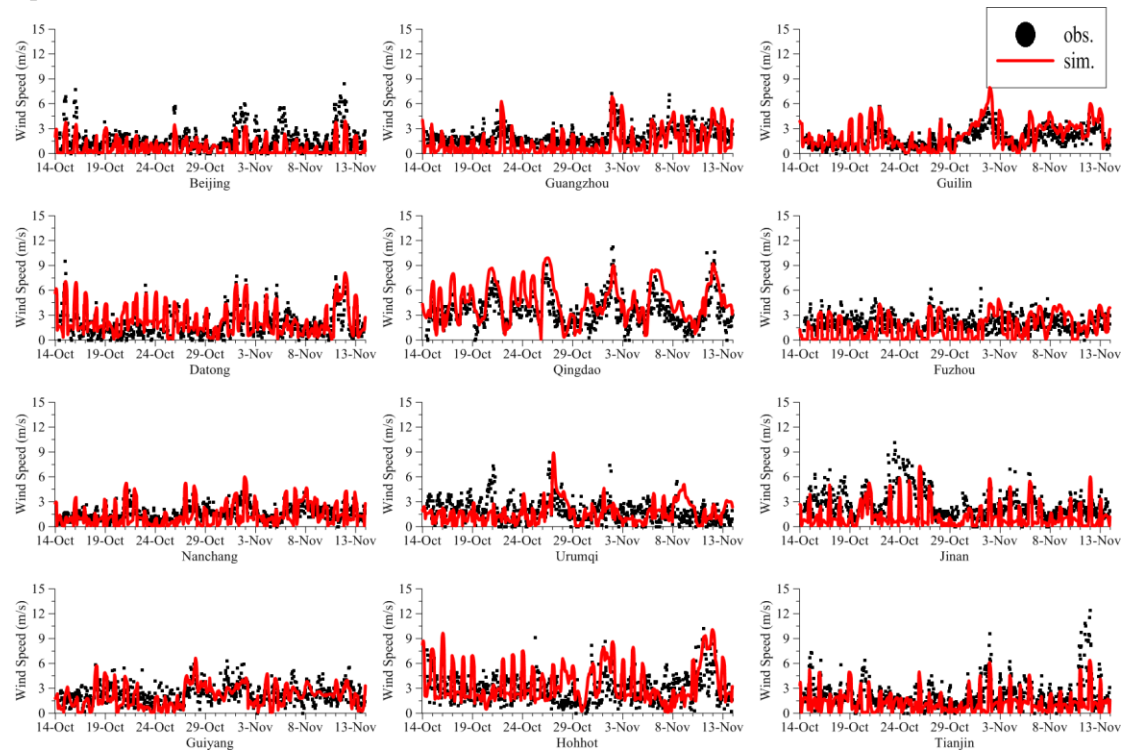
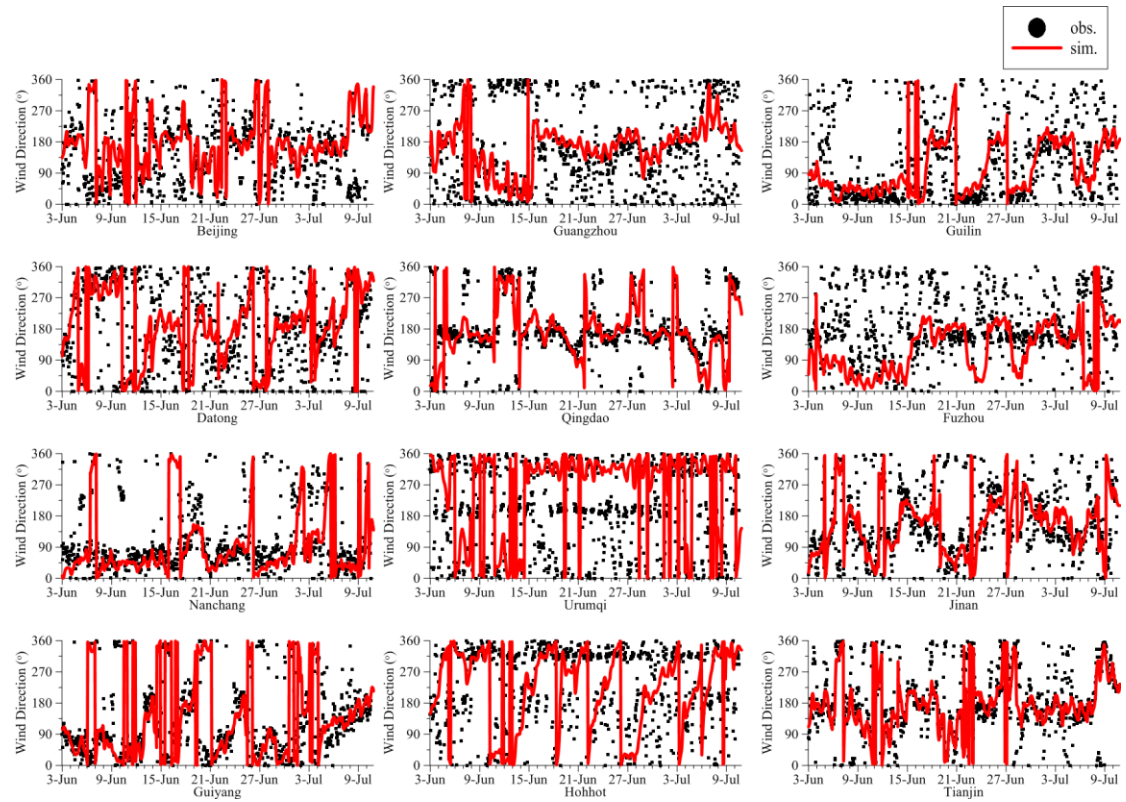
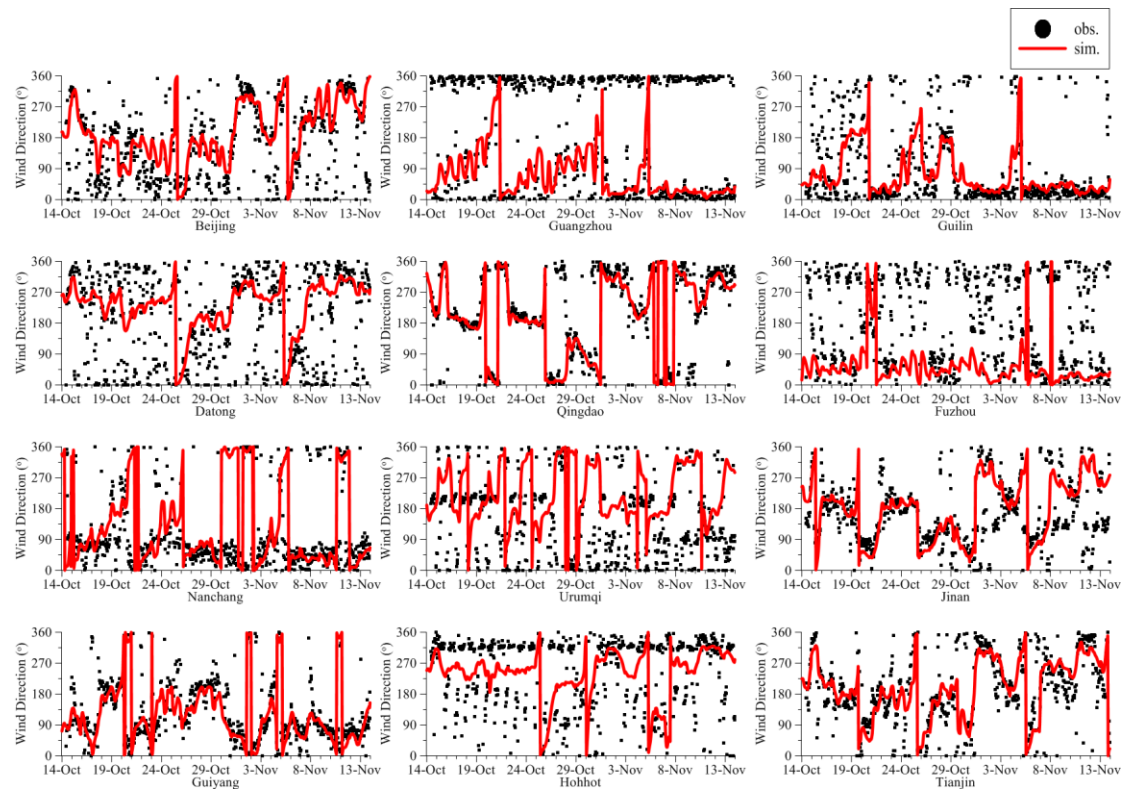
1.The comparasion of temperature, relative humidity, wind speed, wind direction and PM₂.₅ between simulations and observations at 12 stations duirng the two analyzed episodes.

1) Fig. S1 Temperature:

Episode 1:

Episode 2:

2) Fig. S2 Relative Humidity:

Episode 1:

Episode 2:

3) Fig. S3 Wind Speed:
Episode 1:

Episode 2:

4) Fig. S4 Wind Direction:

Episode 1:

Episode 2:

5) Fig. S5 PM$_{2.5}$:

Episode 1:

Episode 2: