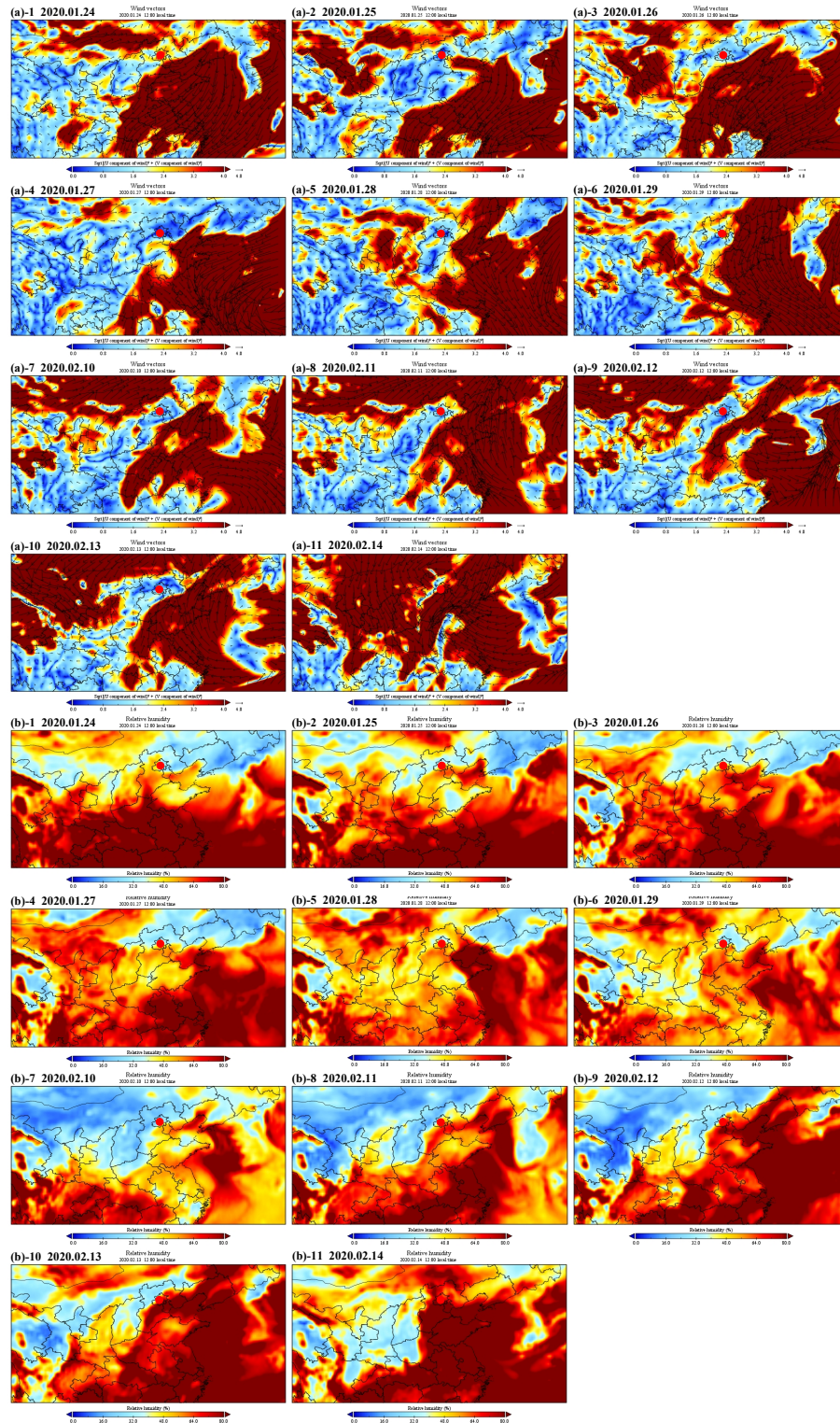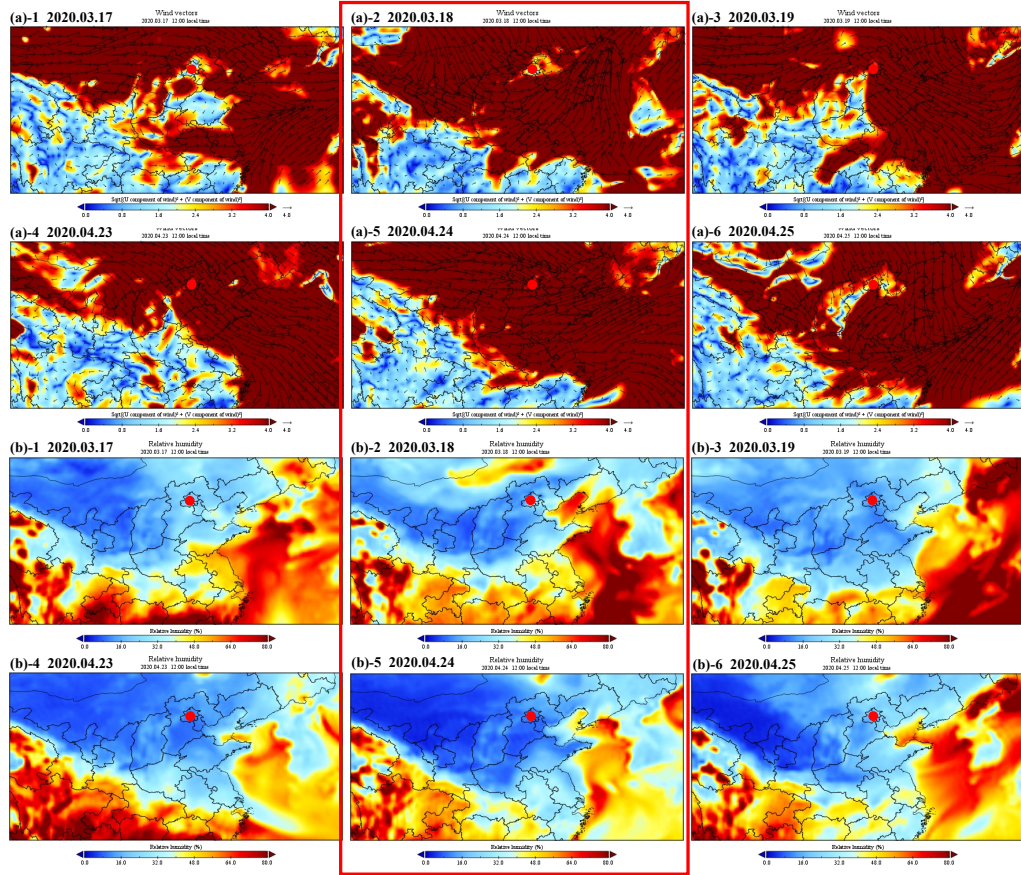# The Characterization of Haze and Dust Processes Using MAX-DOAS in Beijing, China
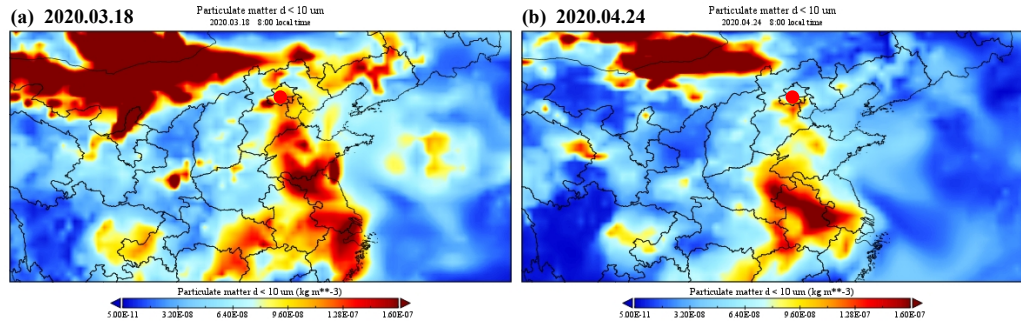
**Supplementary Materials**



**Figure S1.** The regional distribution of wind vectors (**a**) and RH (**b**) from ERA5 climate reanalysis data during haze pollution periods. 1 to 11 represent different dates. The red dots represent Beijing.

**Figure S2.** The regional distribution of wind vectors (**a**) and RH (**b**) from ERA5 climate reanalysis data during dust pollution periods. 1 to 6 represent different dates. The red dots represent Beijing. The two red boxes represent the dusty days in the figure.



**Figure S3.** The regional distribution of PM$_{10}$ from the CAMS model on dusty days (March 18 and April 24). (**a**) March 18; (**b**) April 24. The red dots represent Beijing.