



Figure 12. Air mass trajectory analysis. (a) 72-h back-trajectories (HYSPLIT) for the haze event from 4 to 7 November colour-coded by date and time, (b) 72-h back-trajectories for the haze event from 4 to 7 November colour-coded by hours before air mass reaches Beijing. In both figures, trajectories are overlaid on a 2015 map of surface NO<sub>2</sub> concentrations based on the CHIMERE model and driven by the 2015 DECSO inventory (Liu et al., 2018).