Retrieval sensitivity at different layers for L24
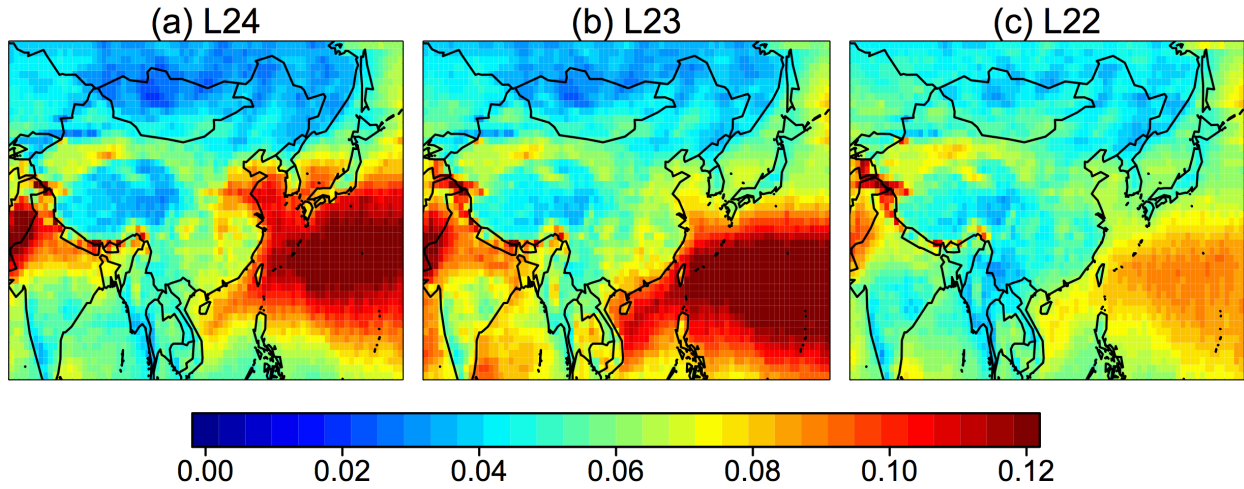
Figure S1 The sensitivity of retrieved ozone at L22-L24 to the ozone change at L24, as denoted by the columns of AK (Hayashida et al., 2015).

2005-2017 trends in the frequency of ozone episodes
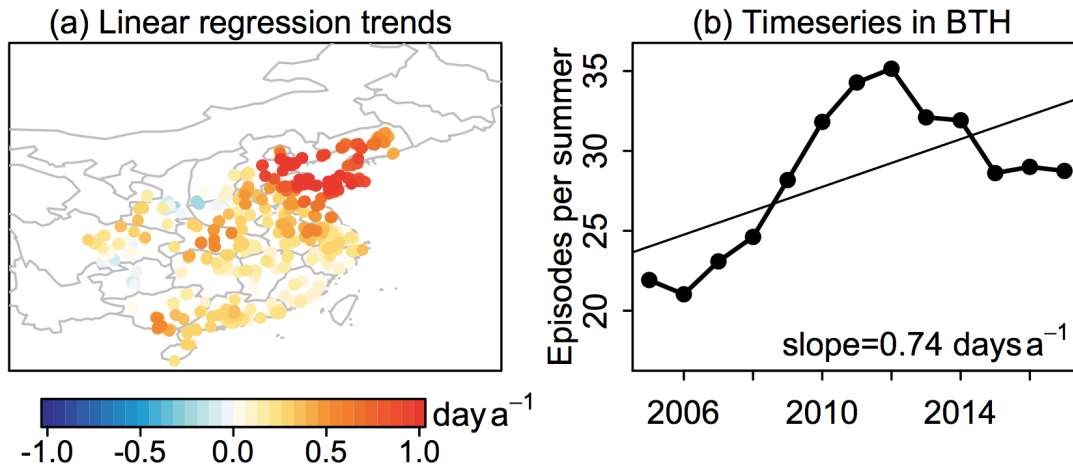
Figure S2. 2005-2017 trends in the number of surface ozone episodes (>82 ppb) per summer as inferred from daily OMI observations over China. Results are shown for the 2013-2017 CMEP network site locations where the point process model was trained. (a) Spatial distribution of the trend as expressed by linear regression on the number of ozone episodes per summer. (b) Timeseries of the number of ozone episodes per year when averaged over the Beijing-Tianjin-Hebei (BTH) region (Figure 1). The slope is shown inset.