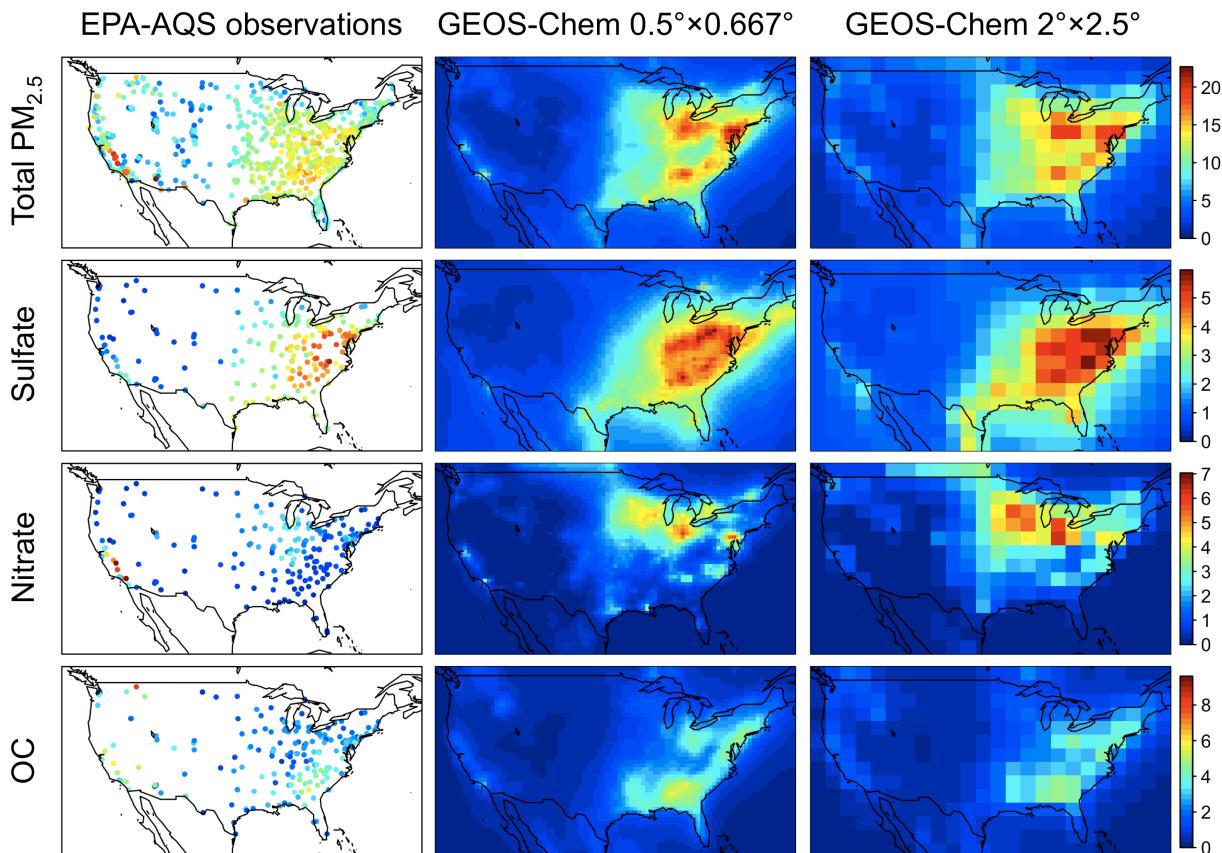


1 **Supplementary Materials**

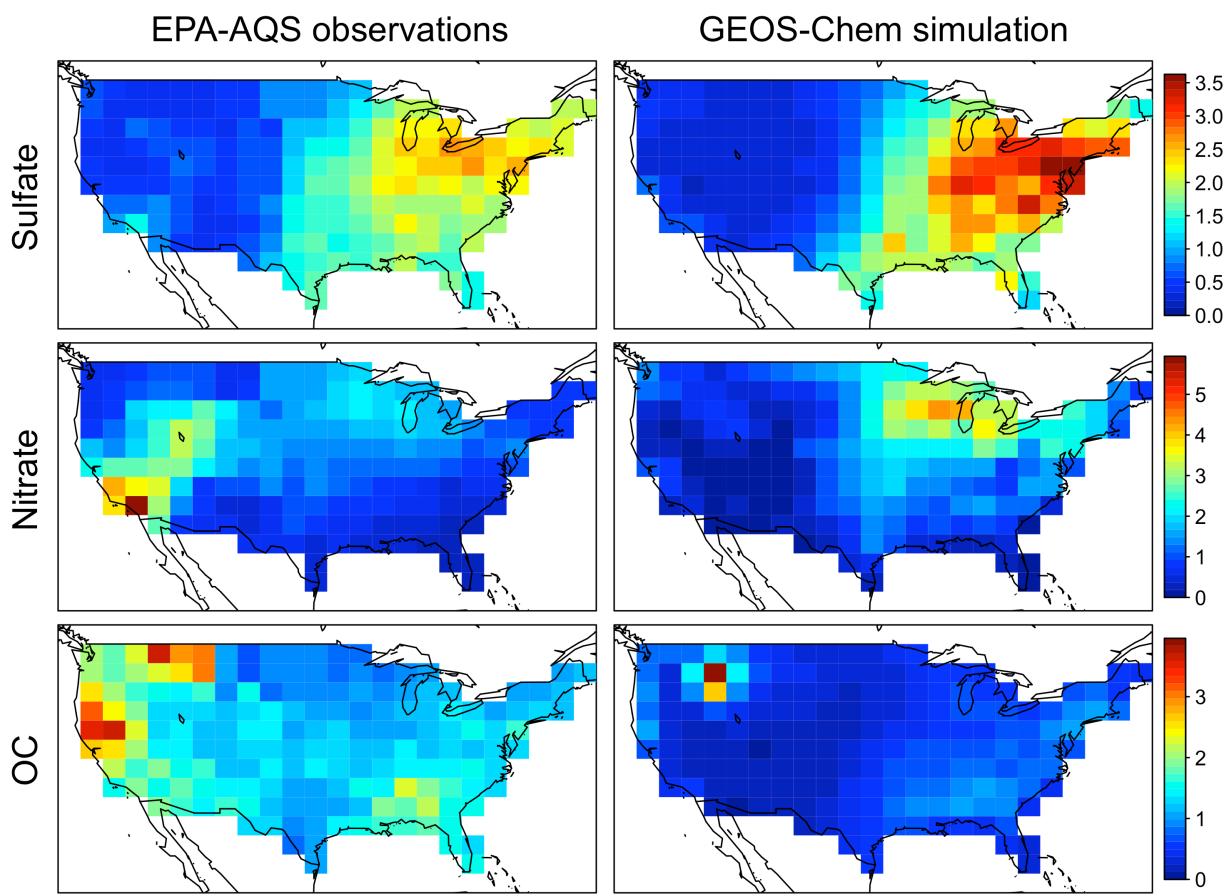
2 **Meteorological modes of variability for fine particulate matter (PM_{2.5}) air quality in the**
3 **United States: implications for PM_{2.5} sensitivity to climate change**

4 A. P. K. Tai, L. J. Mickey, D. J. Jacob, E. M. Leibensperger, L. Zhang, J. A. Fisher, H. O. T.
5 Pye

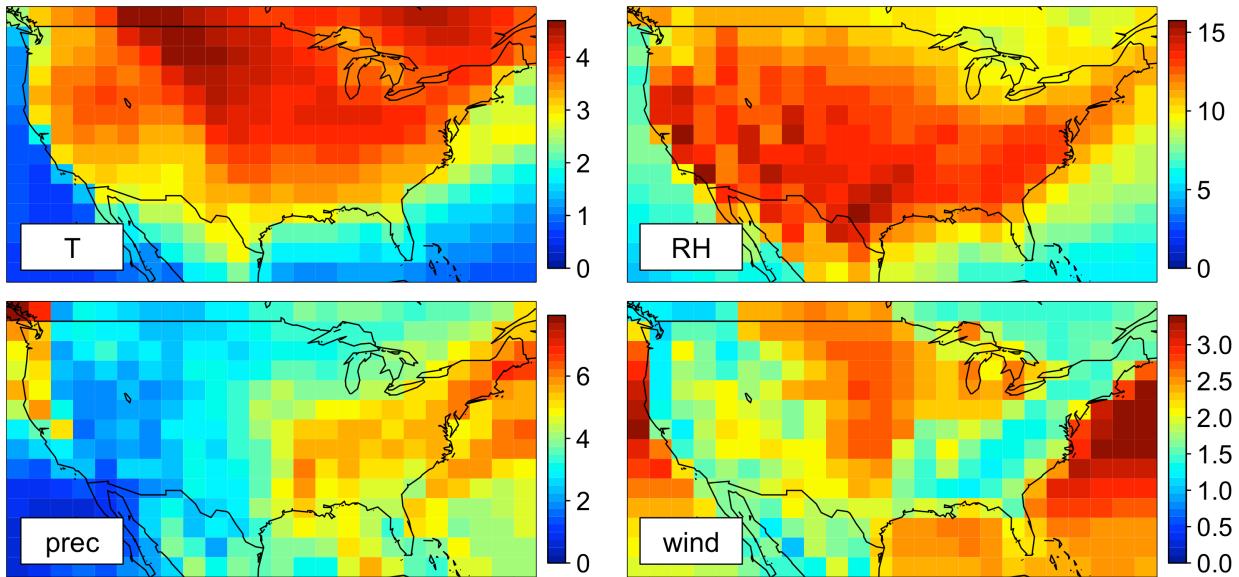
6



7
8 Annual mean observed (EPA-AQS) and simulated (GEOS-Chem) concentrations of total
9 PM_{2.5}, sulfate, nitrate and organic carbon (OC) for 2006. GEOS-Chem results are shown for
10 simulations at 0.5° × 0.667° and 2° × 2.5° resolution. Concentrations are in units of $\mu\text{g m}^{-3}$.



- 1
- 2 Standard deviations of deseasonalized concentrations of sulfate, nitrate and organic carbon (OC) for both observations (EPA-AQS) and simulations (GEOS-Chem).
- 3
- 4



1

2 Standard deviations of deseasonalized GEOS-5 meteorological variables: temperature (K),
3 relative humidity (%), precipitation (mm d^{-1}), and wind speed (m s^{-1}).

4