Bad Ozone: Activity 2
Looking at Satellite Data: Understanding NO₂ Pollution Data Visualizations

Nitrogen Dioxide Concentrations in the United States in 2005

Average tropospheric column concentrations of nitrogen dioxide as detected by the Ozone Monitoring Instrument on NASA's Aura satellite for 2005. Blue and green denote lower concentrations and orange and red areas denote higher concentrations, ranging from 1e+15 to 5e+15 molecules per square centimeter, respectively.

Image credit: NASA Science Visualization Studio.

1. Name 3 states with high NO₂ concentrations.
   
   A. ________________________
   
   B. ________________________
   
   C. ________________________

2. Why might NO₂ concentrations be higher in Los Angeles, CA, than in Oregon to the north of California?

   ___________________________________________________________
   ___________________________________________________________

3. Identify 3 states with low NO₂ concentrations.

   A. ________________________

   B. ________________________

   C. ________________________
4. What was the approximate concentration of NO2 where you live in 2005?