

Using Space-based observations of NO₂ to understand NO_x emissions and atmospheric oxidation rates

R.C. COHEN¹²³

¹Department of Chemistry and Department of Earth and Planetary Science, UC Berkeley, Berkeley, CA

I will describe novel methods for probing the mechanisms of emissions and oxidation of atmospheric reactive nitrogen using space based observations. Examples of the dependence of oxidation rates on wind speed and water will be used to illustrate the methods.