

# Recent Revisions to Isoprene Photochemistry

## Based on Caltech Chamber and Field Data

Kelvin Bates, Tran Nguyen, Eric Praske, Jason St. Clair, John Crouse, John Seinfeld, Paul Wennberg – Caltech, Pasadena, CA

Mechanism updates:

1. MVK Oxidation – greater OH recycling
2. ISOPOOH & IEPOX – separated isomers, new species
3. Dry deposition – most velocities increased
4. Isoprene nitrates – new mechanisms, fast hydrolysis

