

# Whole Air Samples – UCI

PI: Donald R. Blake

Group Members: Simone Meinardi, Nicola Blake, Barbara Barletta, Isobel Simpson, Stacey Hughes, Nicholas Vizenor, Lauren Fleming.

## Measurement of **Volatile Organic Compounds**.

Samples collected during the research flights and then analyzed at the UC Irvine laboratory using Gas Chromatography



- 168 samples/flight
- ~ 70 species including:
  - ✓ alkanes
  - ✓ alkenes
  - ✓ alkynes
  - ✓ aromatics
  - ✓ sulfur compounds
  - ✓ alkyl nitrates
  - ✓ halogenated species
  - ✓ hydrogen (subset)
  - ✓ CH<sub>4</sub> and CO (back up)

Contact: [drblake@uci.edu](mailto:drblake@uci.edu); [smeinard@uci.edu](mailto:smeinard@uci.edu)