

Assess Summer Ozone Concentrations over the Great Salt Lake in Relation to Those Along the Wasatch Front

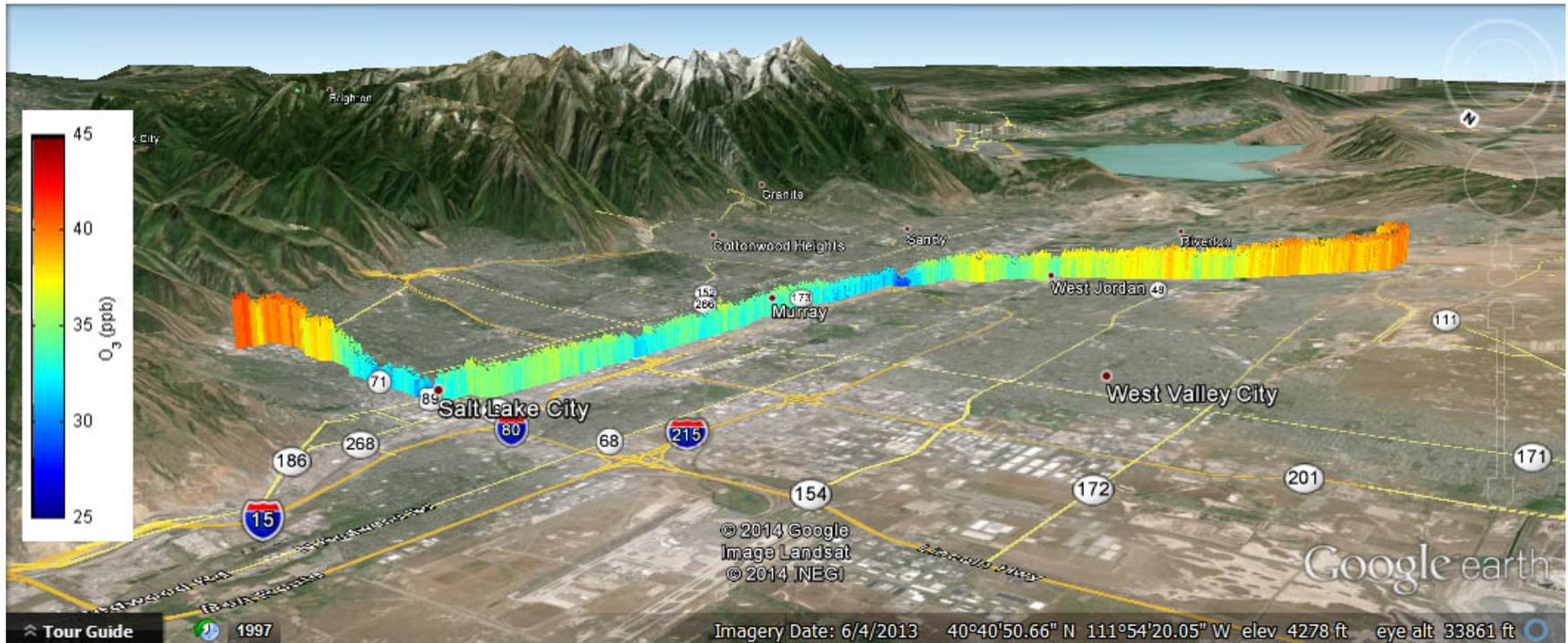
Seth Arens, Utah Division of Air Quality

John Horel, Erik Crosman, Susan Bush, U/Utah

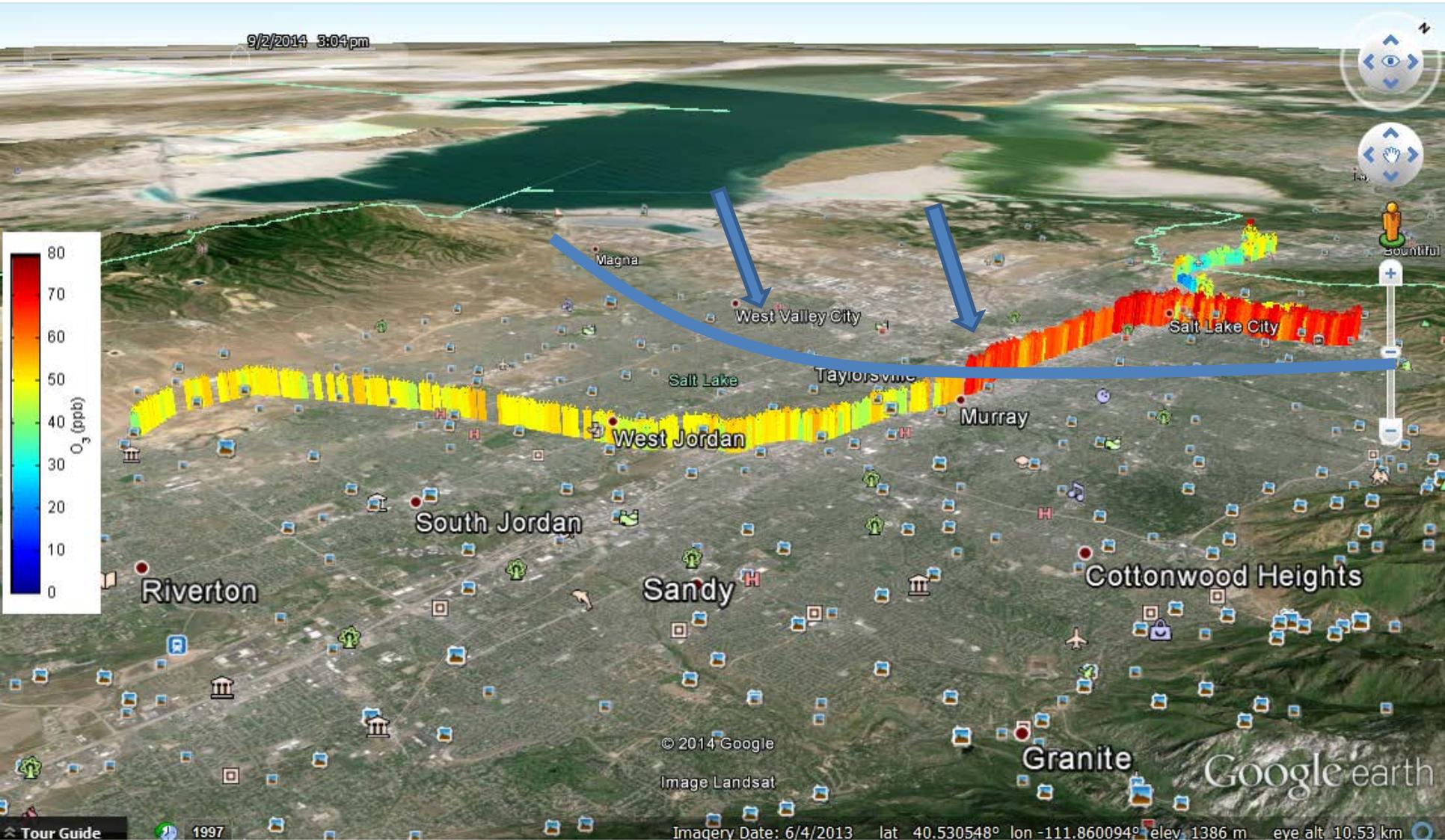
Randy Martin USU

- Planning for summer 2015 field study underway
- Pilot demonstration to monitor ozone concentrations in Salt Lake Valley using sensors mounted on UTA light rail cars during Aug-Sep 2014
- Tested feasibility of monitoring ozone concentrations aloft using KSL helicopter on September 3, 2014
- Permission received from FAA for UAV flights over Lake from Promontory Point

Average ozone concentration on Red line: Aug 17 – Sep 16



TRAX observations 2 September 2013: Gradient in Ozone in Salt Lake Valley Associated with Lake Breeze



Google earth imagery provided by Logan Mitchell, LAIR Research Group U of U