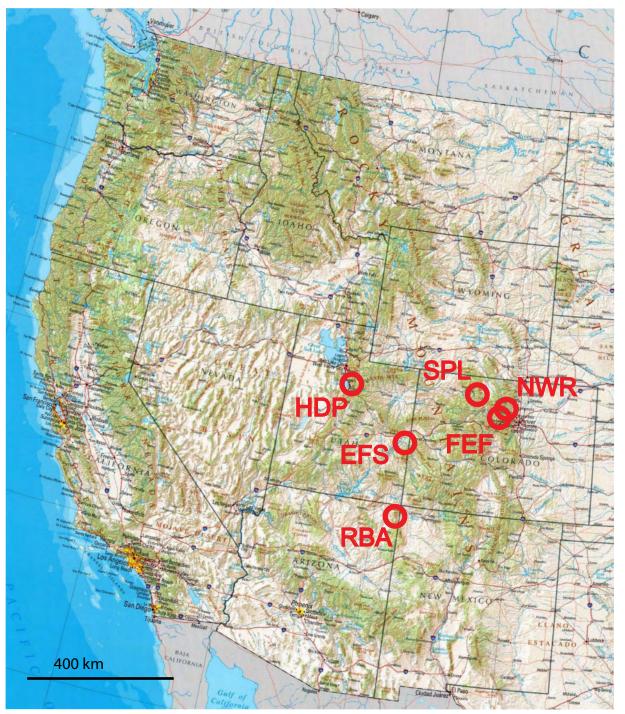


## The Rocky Mountain Regional Atmospheric Continuous CO<sub>2</sub> Network Britton Stephens,<sup>1,2</sup> Sean Burns,<sup>1</sup> Andrew Watt,<sup>1</sup> Sherri Heck,<sup>3</sup> David Moore,<sup>4</sup> Ankur Desai,<sup>5</sup> David Bowling<sup>6</sup>

NCAR

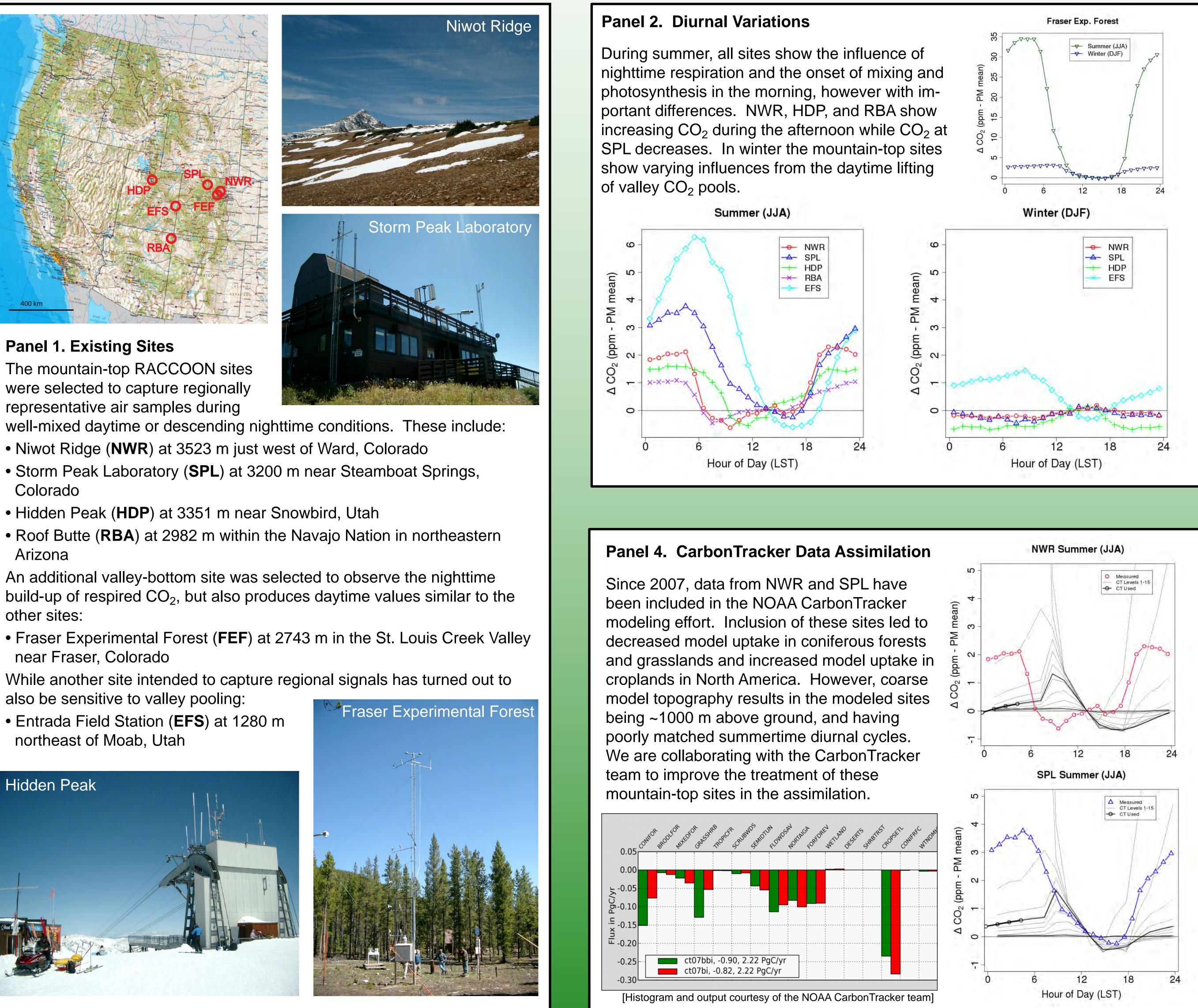
<sup>1</sup>National Center for Atmospheric Research, Boulder, Colorado, USA, (stephens@ucar.edu); <sup>2</sup>National Institute of Water and Atmospheric Research, Wellington, New Zealand; <sup>3</sup>University of Colorado, Boulder, Colorado, USA; <sup>4</sup>King's College London, UK; <sup>5</sup>University of Wisconsin, USA; <sup>6</sup>University of Utah, Salt Lake City, Utah, USA

**Overview:** The Rocky Mountain Regional Atmospheric Continuous CO<sub>2</sub> Network (Rocky RACCOON) includes four high-alpine sites and two valley sites instrumented for continuous measurements beginning in August of 2005. We are utilizing these growing records to provide information on regional carbon exchange in the U.S. Central Rocky Mountains and Southwest, as well as to monitor the impact of disturbance on local valley-scales, with a goal of resolving key drivers of mountain and semi-arid ecosystems, including drought, fire, and insect outbreak. Our data are available to the public on the internet in near real time to support quality control, local science, and larger scale synthesis efforts (http://raccoon.ucar.edu).



## Panel 1. Existing Sites

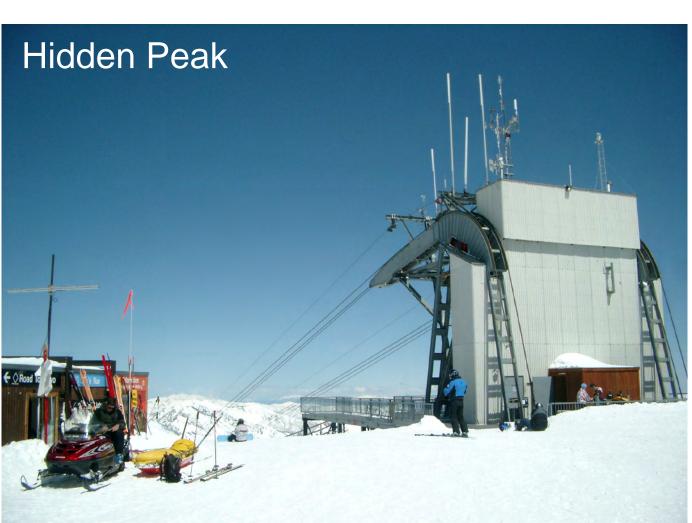
were selected to capture regionally representative air samples during



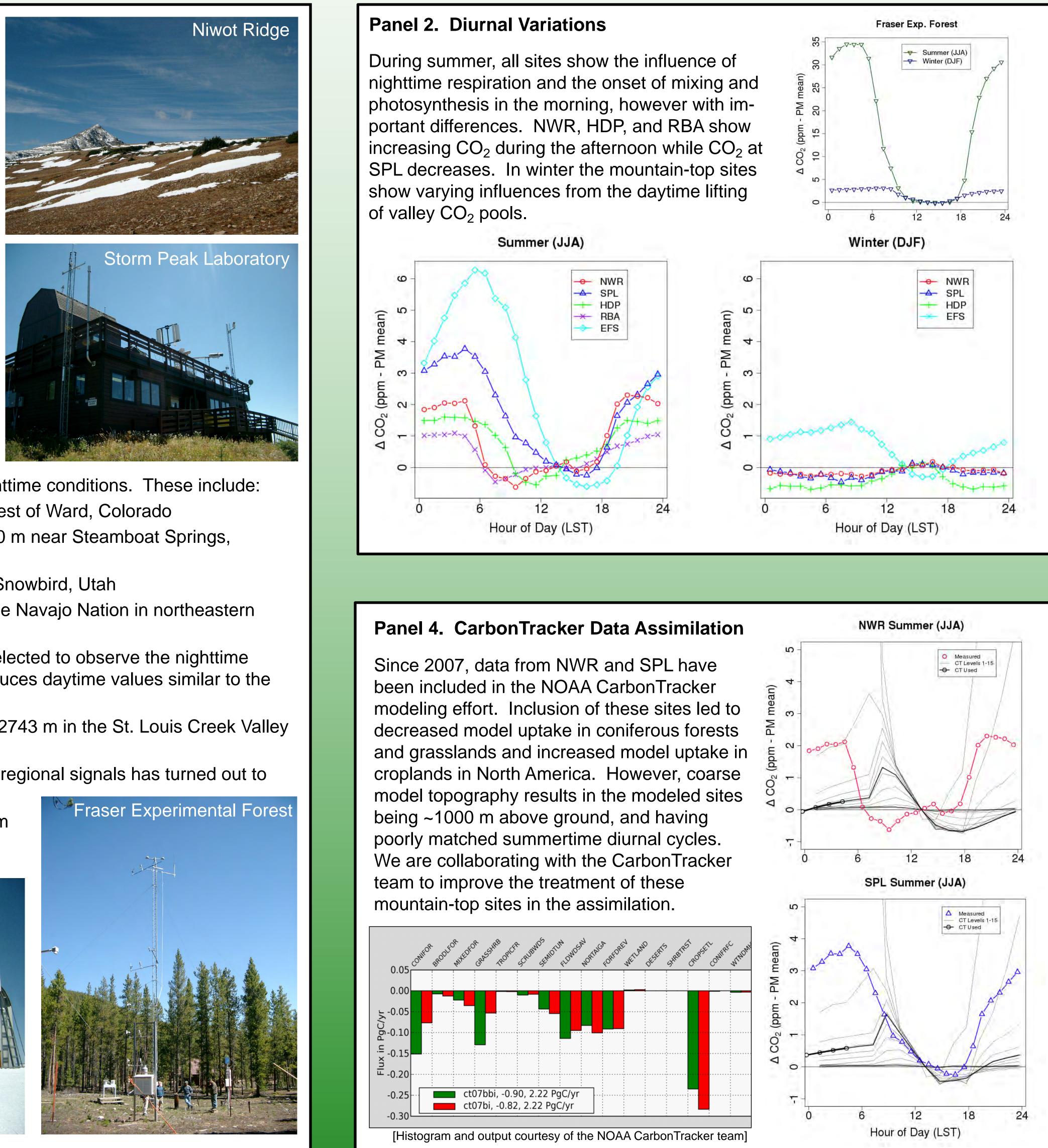
other sites:

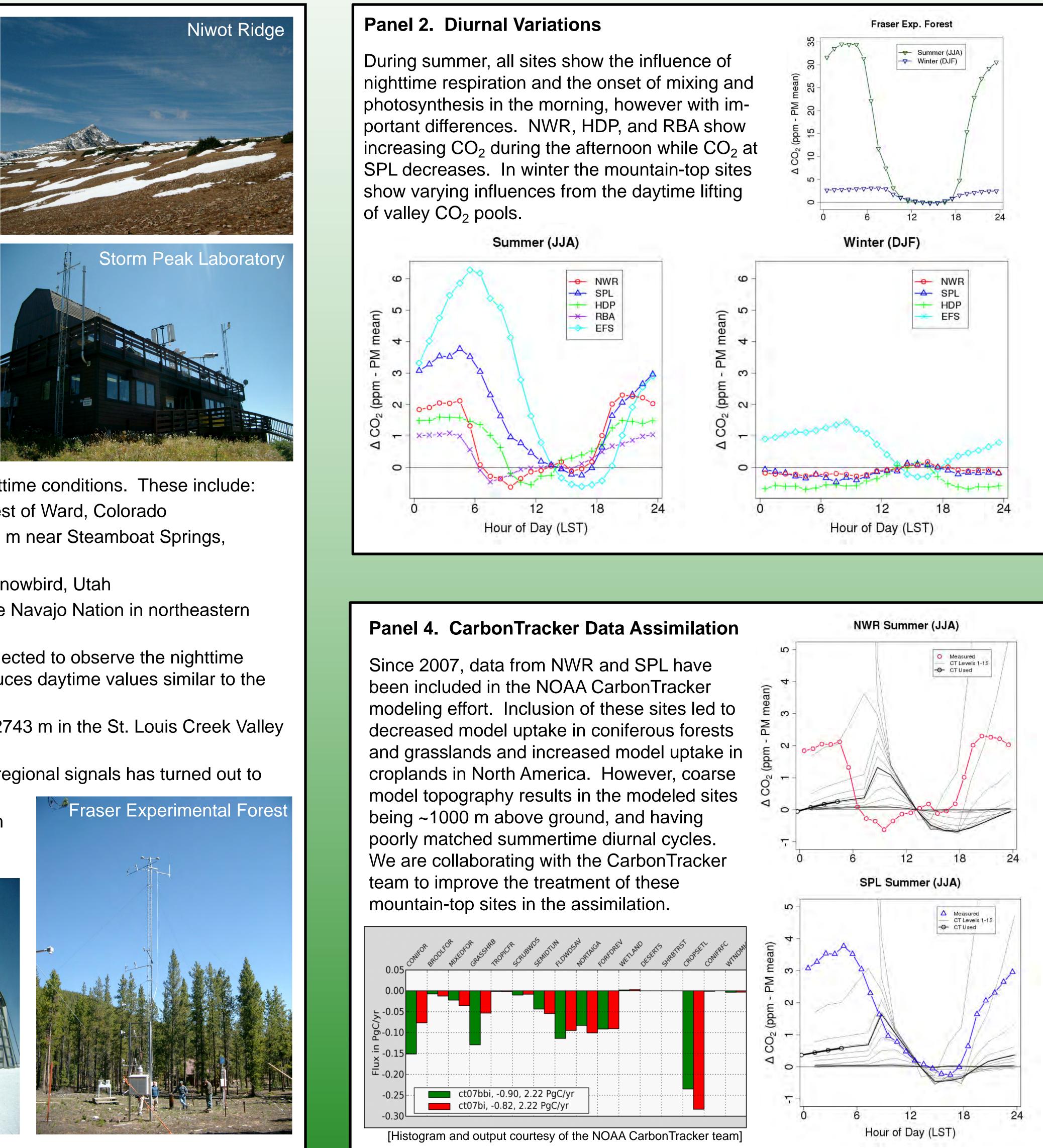
also be sensitive to valley pooling:

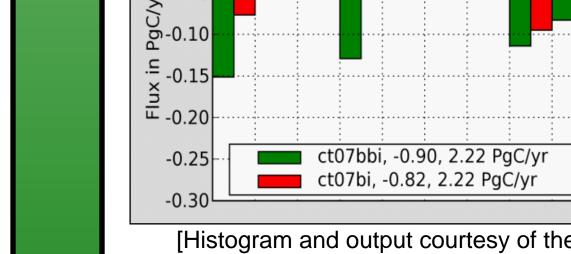
• Entrada Field Station (EFS) at 1280 m

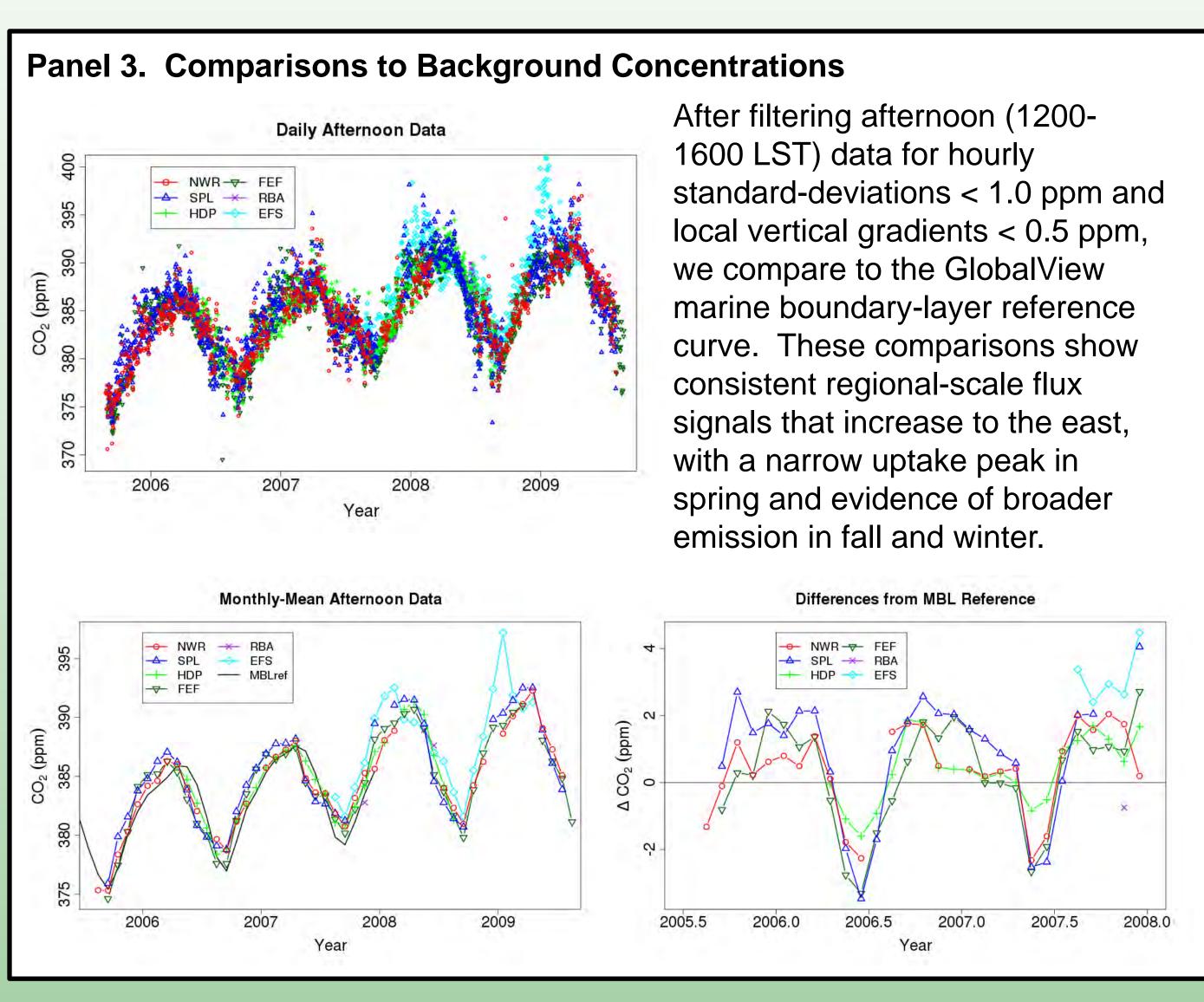












## Panel 5. Instrumentation and Intercomparison Efforts

