

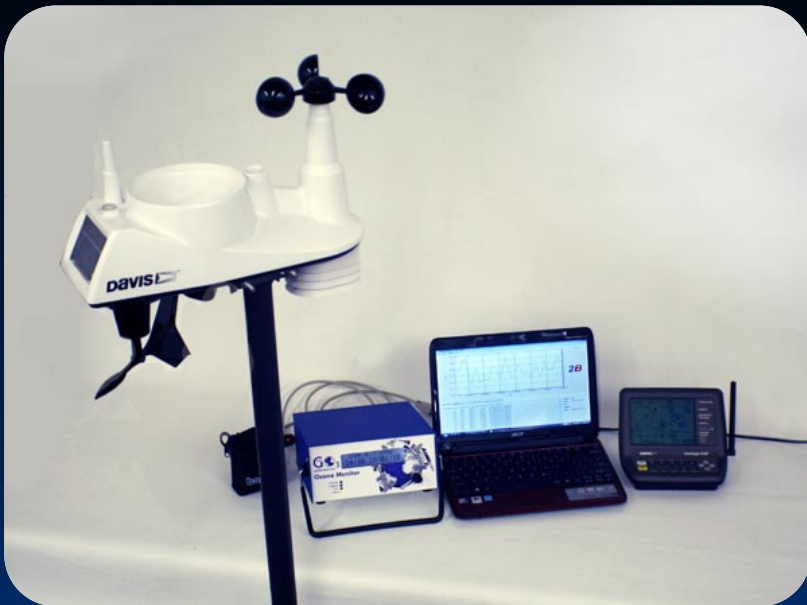
G Project 3

The GO3 Project: Getting Students Involved in Air Pollution Monitoring and Research

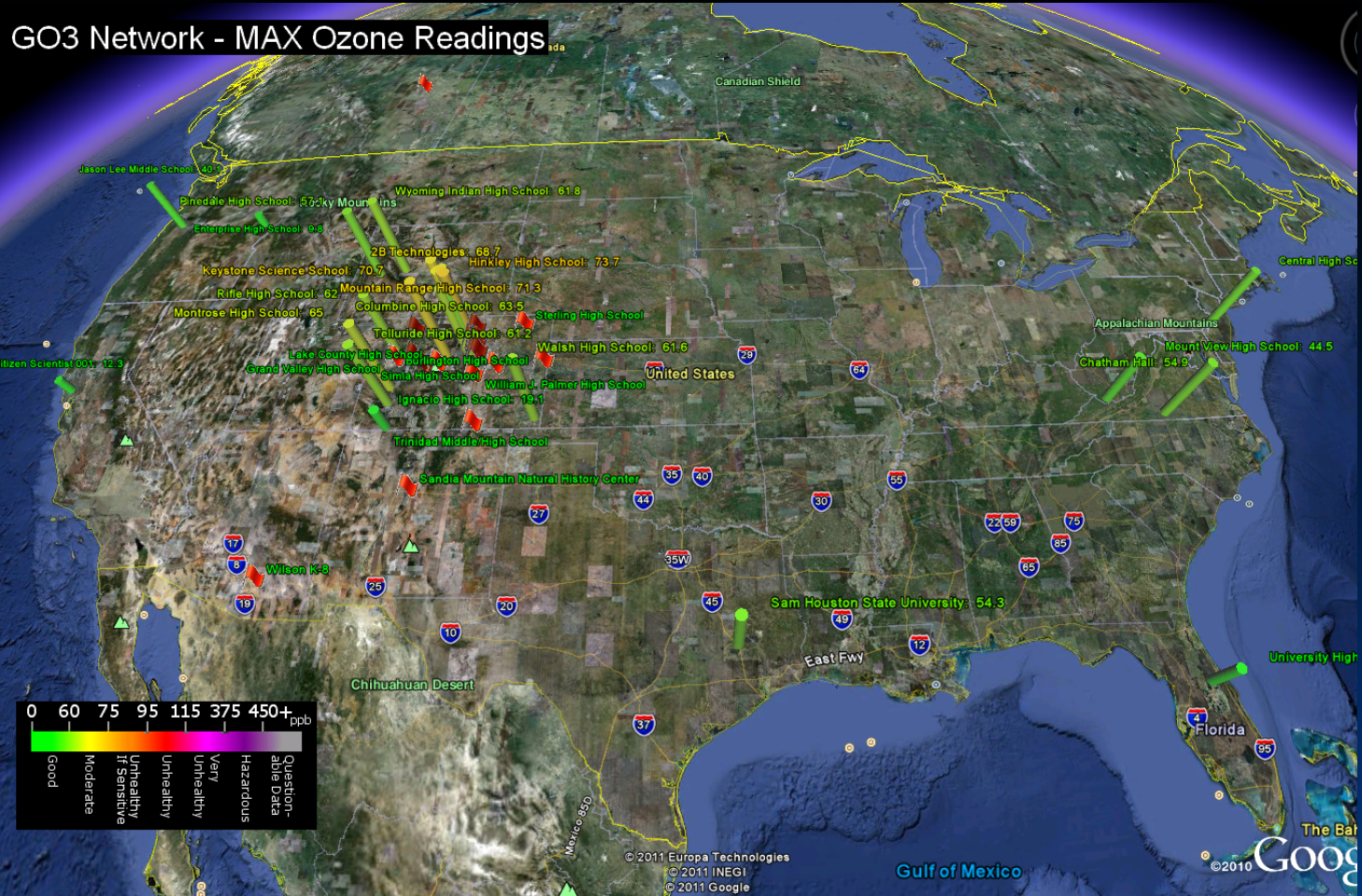
Jessa Ellenburg, PE, LEED AP
Director of Educational Outreach
GO3 Foundation
Boulder, CO



January 2010 - Estes Park High is the First GO3 School

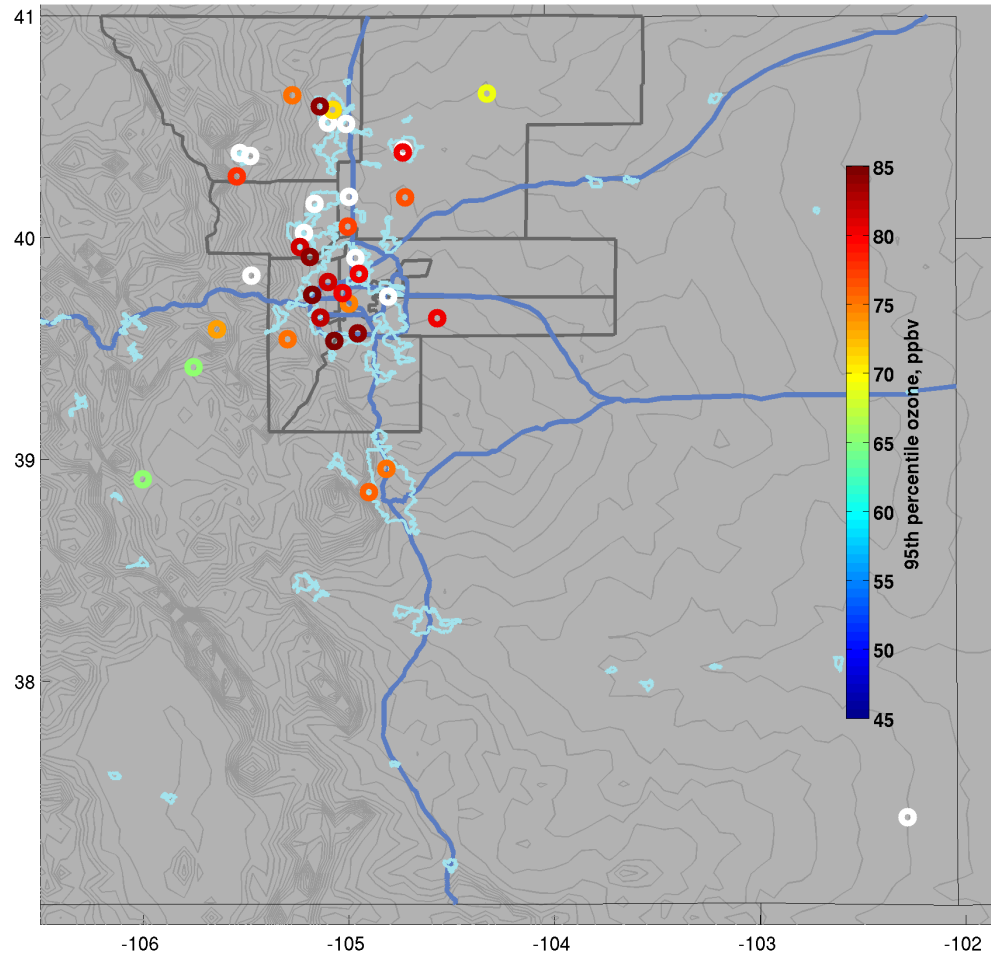


GO3 Project – Student Measurement of Ozone

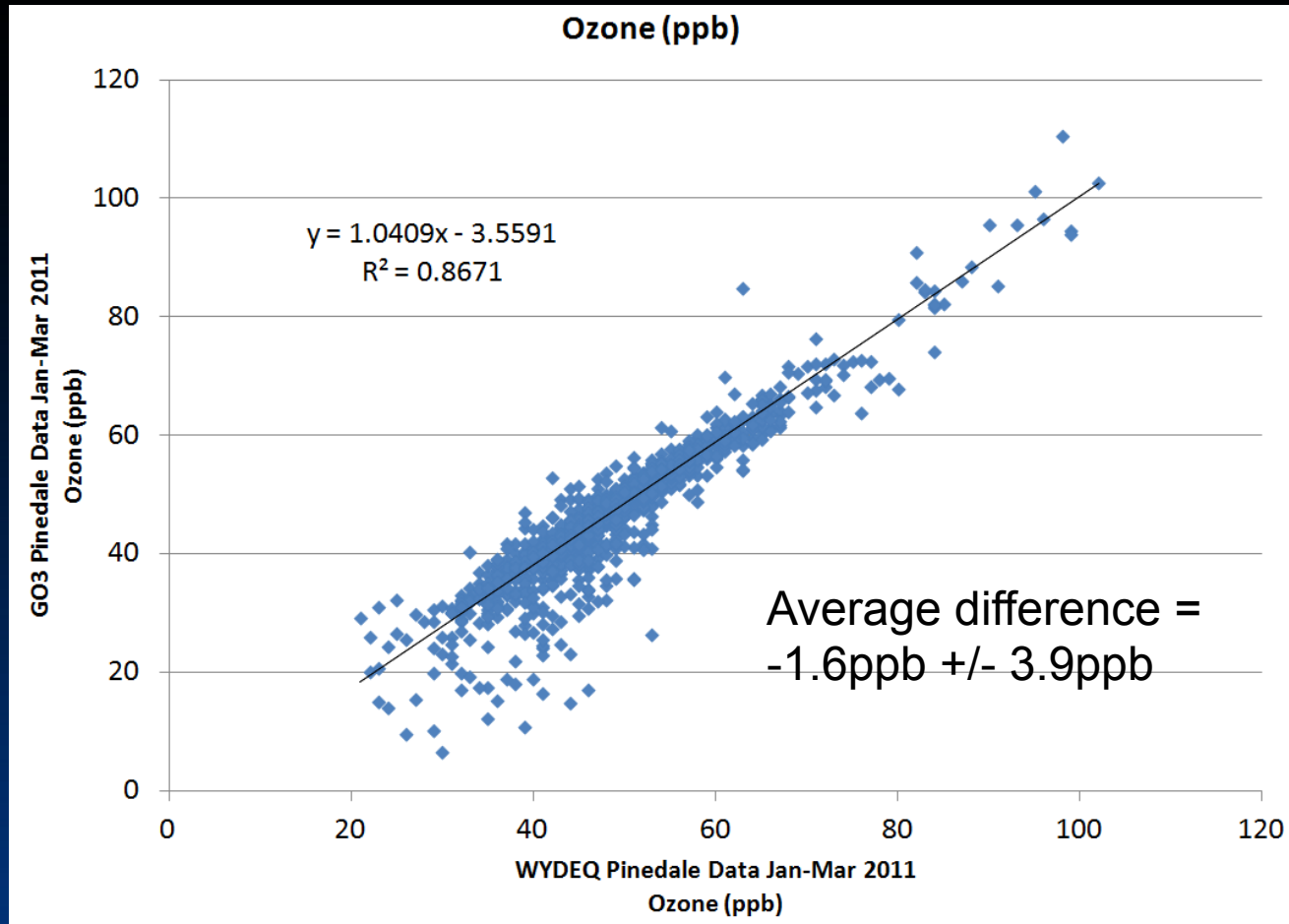


Colorado GO3 O₃ Locations

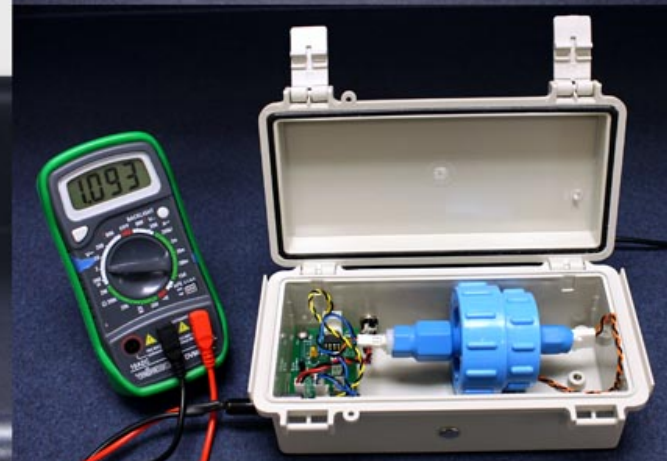
Colorado ozone monitors active in Summer (JJA) 2011, (11:00 - 16:59 MST), with GO3 monitors indicated (white dots)



Data Quality



Summer 2014 – Launch of Black Carbon




Mobile Monitoring – POM




GO3 Social Network

Hi Jessa Ellenburg!



- View Recent Updates
- View My Profile
- Edit My Profile
- Browse Members
- Invite Your Friends
- Surveys & Quizzes

3 Members Online



RJD2
February 22
Posted by Craig Williford

Announcements

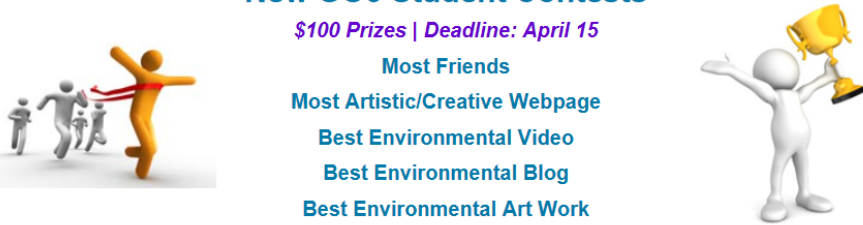
Contests

Posted by John Birks January 6

New GO3 Student Contests


\$100 Prizes | Deadline: April 15

- Most Friends
- Most Artistic/Creative Webpage
- Best Environmental Video
- Best Environmental Blog
- Best Environmental Art Work
- Best Environmental Photo



Greenfundraiser.org


Posted by John Birks September 22, 2011



Tired of selling lollipops and other junk food for your school fundraisers?

Greenfundraiser.org offers environmental fundraisers to raise money for any school need (band instruments, prom, etc.). Please let your teachers know!

Sponsors



Sponsor A School

GO3 Curriculum

<p>Global Anthropogenic Sources of NO_x</p>	<p>Breakdown of Global Anthropogenic Sources of NO_x</p>	<p>Global Anthropogenic NO_x Emissions Density</p>	<p>Regional Breakdown of Total Global Anthropogenic NO_x Emissions</p>	<p>Anthropogenic Sources of NO_x in the United States</p>	<p>NO_x Emission Inventory for the United States</p>
<p>Let's Look at One of the Most Significant Natural Sources of NO_x Globally: Lightning</p>	<p>NO_x as a "Chemical Switch"</p>	<p>Before Anthropogenic Emissions...</p>	<p>Anthropogenic Emissions have Tipped the Atmospheric Balance...</p>	<p>The Concentration of NO_x in the Atmosphere Can be Thought of as a "Chemical Switch"</p>	<p>Lesson 7: Lightning and Weather</p>
<p>How Weather Affects Ozone Production and Transport</p>	<p>Ozone Transport Downwind</p>	<p>Pollutant Transport Computer Models</p>	<p>Local Conditions and Weather Phenomena Affects Ozone Formation</p>	<p>Denver's Upslope Phenomenon Results in High Ozone Along the Mountain Range</p>	<p>Ozone Transport Visualization</p>
<p>Ozone and Rain</p>	<p>Ozone and the Seasons</p>	<p>Temperature Inversions Can Trap Air Pollution at Ground Level</p>	<p>Temperature Inversions Can Trap Air Pollution at Ground Level</p>	<p>Lesson 8: Harmful Effects of Ground Level Ozone</p>	<p>Learning Objectives</p>