Message

**From**: Tonnesen, Gail [Tonnesen.Gail@epa.gov]
**Sent**: 1/22/2015 3:52:46 PM
**To**: Reddy - CDPHE, Patrick [patrick.reddy@state.co.us]
**CC**: Payton, Richard [Payton.Richard@epa.gov]; Dolwick, Pat [Dolwick.Pat@epa.gov]; Baker, Kirk [Baker.Kirk@epa.gov]; Pierce', 'GORDON [Gordon.Pierce@state.co.us]; pfister@ucar.edu
**Subject**: RE: Upcoming workshop on western AQ issues - SI Ozone

Yes, this would tie in nicely with FRAPPE analysis and would illustrate the value of additional measurements. It might be interesting to also contrast this analysis with the conventional data products, i.e., could we have identified this as SI without FRAPPE and DICSCOVER-AQ?

Thanks,
Gail

**From:** Reddy - CDPHE, Patrick [mailto:patrick.reddy@state.co.us]
**Sent:** Wednesday, January 21, 2015 2:34 PM
**To:** Tonnesen, Gail
**Cc:** Payton, Richard; Dolwick, Pat; Baker, Kirk; Pierce', 'GORDON; pfister@ucar.edu
**Subject:** Re: Upcoming workshop on western AQ issues - SI Ozone

Hi Gail,

I might be able to do this. Would there be interest in profiling a single case from the FRAPPE DISCOVER-AQ campaigns in Denver in 2014? There was at least one day in August when aircraft saw evidence of an intrusion aloft (CO, O3, H20, and probably other species). We also had global and regional modeling evidence of an intrusion, one ozonesonde, and possible contributions to the PBL O3.

This was probably not at a scale that we would flag this as an exceptional event, but it might be interesting as an example of what kind of contributions can be expected in Colorado in the middle of summer.

If you think this would be worth pursuing, then I'll send out an e-mail to the relevant NCAR, NOAA, and NASA folks and start looking at the data.

Pat

On Tue, Jan 20, 2015 at 1:35 PM, Tonnesen, Gail <Tonnesen.Gail@epa.gov> wrote:

> Hi Pat,
>
> We are putting together an agenda for another Western US modeling workshop (May 11-15 in Boulder) and have a proposed talk "Recent case study of stratospheric ozone intrusion in the Western US" on Wed, May 13. Would you be interested in doing a presentation on this topic at the workshop?
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> Thanks,

Gail

303-312-6113

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**From:** Dolwick, Pat
**Sent:** Tuesday, January 20, 2015 1:11 PM
**To:** Adelman, Zac
**Cc:** Tonnesen, Gail
**Subject:** Upcoming workshop on western AQ issues

Zac,

Hope your new year is off to a great start.

Gail may have already talked w/ you about this … but several different organizations (EPA, WRAP, LRTAP and NCAR) are planning a workshop for May 11-15 in Boulder aimed at discussing the contributions of local, regional, and global sources to air quality problems, especially across the western U.S. The workshop essentially consists of two interconnected meetings (HTAP2 model evaluation, and Western States AQ modeling). As one of the organizers for the workshop, we were wondering if you (or another 3SAQS rep) would be interested in giving a presentation on the Wednesday of that week summarizing some of the initial results of your 2011 modeling w.r.t. ozone background?

We're hoping to have a mini-session on that Wednesday where the focus is on modeling background ozone levels in the western U.S. and think your all's work would substantially inform that conversation. We're hoping to have Arlene Fiore and Al Lefohn presenting some of their work. I'll probably give a talk on EPA's latest modeling in this session as well. If you have other analyses that you think would be more valuable to this discussion, we're certainly open to that as well.

We can provide more information on the goals / logistics of the conference as needed. Thanks for your consideration of this workshop.

Pat D.

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**Patrick J. Reddy**
**Senior Air Quality Meteorologist**
Modeling, Meteorology, and Emissions Inventory Unit
Technical Services Program

P 303.692.3239 | F 303.782.5493
4300 Cherry Creek Drive South, Denver, CO 80246-1530
patrick.reddy@state.co.us