

# UWFPS 2017 Summer Teleconference #2

## July 13, 2017

1. Updates (data mtg, dates)
2. Data archiving & status
3. Munkh Baasandorj
4. Randy Martin



# UWFPS Data Meeting, August 28-29

## University of Utah

<https://esrl.noaa.gov/csd/groups/csd7/measurements/2017uwfps/meetings/>

**Data Meeting, 28-29 August 2017** Salt Lake City, UT

*Location:* **INSCC auditorium**, adjacent to the William Browning Building on the University of Utah Campus (same location as the science meetings during the campaign).

*Times:* Monday, 28 August, 8am - 5pm and Tuesday, 29 August, 8am - 1pm and 3pm - 5pm (though may end earlier to allow out of town travelers to get to the airport).

*Accommodations:* [University Guest House and Conference Center](#), University of Utah. **Call 1-888-416-4075 by 5pm Friday, 28 July 2017 to make reservations, and mention the group name "Particulate Study Science Meeting"**

**Formulate agenda in mid-August (last teleconference), and will look for tentative list of speakers in late July or early August (discuss at next teleconference)**

# Important Dates / Data Archiving

<b>August 1, 2017:</b>	<b>Preliminary data submission deadline</b>
August 28-29, 2017:	Data Meeting, University of Utah
September 15, 2017:	Draft report to UDAQ
<b>October 1, 2017:</b>	<b>Final data submission deadline</b>
December 11-15, 2017:	Fall AGU meeting, New Orleans
March 1, 2018:	Final report to UDAQ

**Data archiving and access instructions can be found at:**

[https://esrl.noaa.gov/csd/groups/csd7/measurements/2017uwfps/TwinOtter/UWFPS\\_DataInstructions.pdf](https://esrl.noaa.gov/csd/groups/csd7/measurements/2017uwfps/TwinOtter/UWFPS_DataInstructions.pdf)















username: uwfps

password: S@ltLake!

All preliminary aircraft data is already posted, and some final data is already posted (thanks AMS & UHSAS !). The ground sites are actively being updated.



# Twin Otter Archive Status

- NOxCaRD data updated from preliminary to final in the last two weeks
- Final flight data had been promised for this week, but is not yet on the archive. ☹️
- Still waiting for TOF CIMS and NH3 data / updates



All  			
FlightData	 	RA	<input type="checkbox"/> AmbTemp <input type="checkbox"/> GPSAlt <input type="checkbox"/> GPSLat <input type="checkbox"/> GPSLon <input type="checkbox"/> Heading <input type="checkbox"/> Pitch <input type="checkbox"/> RelHumidity <input type="checkbox"/> Roll <input type="checkbox"/> StaticPrs <input type="checkbox"/> TrueAirspd <input type="checkbox"/> VertWindSpd <input type="checkbox"/> WindDir <input type="checkbox"/> WindSpd
AMS	 	R0	<input type="checkbox"/> AMS_SO4 <input type="checkbox"/> AMS_NO3 <input type="checkbox"/> AMS_NH4 <input type="checkbox"/> AMS_Org <input type="checkbox"/> AMS_ChI <input type="checkbox"/> AMS_Total
NOxCaRD	 	R0	<input type="checkbox"/> NO_ppbv <input type="checkbox"/> NO2_ppbv <input type="checkbox"/> NOy_ppbv <input type="checkbox"/> O3_ppbv
NH3	 	RB	<input type="checkbox"/> NH3_ppbv
UHSAS	 	R0	<input type="checkbox"/> NumConcTotal_n_cm3 <input type="checkbox"/> SurfConcTotal_um2_cm3 <input type="checkbox"/> VolConcTotal_um3_cm3
UWTOFCIMS1	 	RA	<input type="checkbox"/> n2o5_pptv <input type="checkbox"/> clno2_pptv <input type="checkbox"/> hono_pptv <input type="checkbox"/> hno3_pptv

# Ground Sites Archive Status



## Hawthorne Ground Site

Species	Organization	File	Revision	Modification Date
Trace gases, PM2.5	Utah DAQ	 	R0	20170516









## North Provo Ground Site

Species	Organization	File	Revision	Modification Date
Trace gases, PM2.5	Utah DAQ	 	R0	20170516





## Smithfield Ground Site

Species	Organization	File	Revision	Modification Date
Trace gases, PM2.5	Utah DAQ	 	R0	20170516

## University of Utah Ground Site

Species	Organization	File	Revision	Modification Date
AIM-IC	Univ. of Toronto	 	RA	20170207
AIM-IC-NH4	Univ. of Toronto	 	RA	20170711
HCHO	EPA	 	RA	20170213
Trace gases, PM2.5	Univ. of Utah	 	RA	20170519

## All Sites

Species	Organization	File	Revision	Modification Date
Daily PM2.5	Univ. of Utah	 	R0	20170519
Hourly PM2.5	Univ. of Utah	 	R0	20170519

# Useful links

1. Ceilometer data from Hawthorne (HW), landfill site near the GSL (LFL, Logan (LOG), Mountain met site near the Red butte Canyon (MTN), Parleys Canyon (PAR), Lindon (UTV) :

[http://www.inscc.utah.edu/~hoch/AIRQUAL\\_2016-2017/CEILOMETER/](http://www.inscc.utah.edu/~hoch/AIRQUAL_2016-2017/CEILOMETER/)

2. Surface met observations:

<http://mesowest.utah.edu/cgi-bin/droman/mesomap.cgi?state=UT&rawsflag=3>

To compare multiple sites:

[http://home.chpc.utah.edu/~u0553130/Brian\\_Blalock/cgi-bin/ts\\_multistations.cgi](http://home.chpc.utah.edu/~u0553130/Brian_Blalock/cgi-bin/ts_multistations.cgi)

The stations ID's can be found at mesowest website.

3. Spatial PM2.5, O3 (Mesowest airquality):

<http://meso2.chpc.utah.edu/aq/cgi-bin/map.cgi>

4. Spatial CO2, CH4 data:

<https://air.utah.edu/index.html>

5. Cameras WBB facing south

[http://meso1.chpc.utah.edu/station\\_cameras/archive/wbbs\\_cam/](http://meso1.chpc.utah.edu/station_cameras/archive/wbbs_cam/)

facing west:

[http://meso1.chpc.utah.edu/station\\_cameras/archive/wbbw\\_cam/](http://meso1.chpc.utah.edu/station_cameras/archive/wbbw_cam/)

6. For heat deficit values or ceilometer data, contact Sebastian.

Back trajectory specific to TO flights: coming soon

# Future Teleconference Dates

Thursday, July 27	Noon MDT
Thursday, August 17	Noon MDT

Steve will contact the twin otter and ground site groups with requests for volunteers to give informal presentations at these teleconferences.

Looking for:

- Data status and updates for archiving
- First-looks at your data to show what you have measured
- Descriptions of what is available to others for developing multi-data set analysis
- Known data limitations
- Initial thoughts on analyses that you would like to lead, especially involving multiple data sets