

Utah Winter Fine Particulate Study Data Meeting
August 28-29, 2017, INSCC Auditorium, University of Utah

Monday, August 28

8:00 Coffee & light breakfast

8:30 Welcome and opening remarks

Brock LeBaron UDAQ

8:40 Twin Otter Measurements

8:40 Steve Brown NOAA / CSD

Twin otter measurement overview & data reliability

9:20 Ale Franchin NOAA / CSD

AMS measurements and aerosol distributions from the twin otter

9:40 Erin McDuffie NOAA / CSD

N₂O₅ uptake coefficients and ClNO₂ yields in twin otter flights

10:00 Dorothy Fibiger NOAA / CSD

Ozone depletion events and halogens over Great Salt Lake and adjacent urban areas

10:20 Break

10:40 Carrie Womack NOAA / CSD

O₃-NO_x relationships from twin otter flights

11:00 Lexie Goldberger University of Washington

Wintertime reactive chlorine sources and speciation in the Salt Lake City, UT region

11:20 Alex Moravek University of Toronto

NH₃ measurements from the twin otter

11:40 Ground Site Measurements

11:40 Ross Petersen /
Gannet Hallar University of Utah

Aerosol Size Distribution Measured at the University of Utah during UWFPS

11:55 Kerry Kelly University of Utah

Fine particle size distributions at Hawthorne

12:10	Lunch		
13:30	Discussion of twin otter results		
14:30	Ground Site Measurements		
14:30	Munkh Baasandorj	University of Utah	Ground sites overview
14:50	Russell Long	EPA ORD	EPA and ORD measurements in Cache Valley
15:10	Ian Hammond / Randy Martin	Utah State University	UWFPS ammonia measurements in Cache Valley and along the Wasatch Front
15:30	Phil Silva	USDA	Overview of USDA from Smithfield site
15:50	Break		
16:10	John Sohl / Jeff Page	Weber State University	Weber State balloon observations
16:30	Russell Long	EPA / ORD	EPA and ORD measurements in Salt Lake and Lindon
16:50	Ryan Bares	University of Utah	Observations of CO ₂ : Useful tracer for PM _{2.5} pollution build up
19:00	Group Dinner		Porcupine Pub & Grille

Tuesday, August 29

8:00	Coffee & light breakfast	
8:30	Ground Site Measurements Continued	

8:30	Amy Hrdina	University of Toronto	AIM-IC Observations during UWFPS 2017 and Modeled Surface Footprints using STILT
8:50	Sebastian Hoch	University of Utah	Cold-air pool exchange processes and their impact on air quality in the Salt Lake City Basin
9:10	Logan Mitchell	University of Utah	TRAX air quality measurements
9:30	Delbert Eatough	BYU	PMF Analysis of the Winter 2016 Neil Armstrong Academy Data
9:50	Break		
10:20	Modeling		
10:20	Erik Crossman	University of Utah	Meteorological modeling of wintertime cold air pools in Utah basins
10:40	Chris Pennell	UDAQ	UDAQ PM2.5 modeling in the Wasatch Front
11:00	John Lin	University of Utah	STILT footprints and back trajectories for the twin otter flights
11:20	Stu McKeen	NOAA / CSD	WRF-Chem Model simulations for the UWFPS 2017 field study
11:40	Break		
12:00	Discussion - ground site + modeling		
13:00	Lunch		
14:00	Open discussion of results		William Browning Building, Room 703
15:00	Open discussion / needs for draft report		INSCC Auditorium
17:00	Adjourn		