

CFACT Data and Science Meeting (*Hybrid: in-person & zoom online*)

October 21, 2022, Friday; 8:00am-12:00pm US Mountain Time (10:00am-2:00pm Eastern Time)

Meeting Objective: CFACT science data support post-field research

1) In-person: Room 303 FASB, University of Utah

2) Virtual attending option: Please Join Zoom Meeting with the following link:

<https://us02web.zoom.us/j/81588882655?pwd=ckQzektqRE85WXdiT1B0R2tSeHE5dz09>

Meeting ID: 815 8888 2655; Passcode: 411793

Contact: Dr. Zhaoxia Pu (Zhaoxia.Pu@utah.edu); Dr. Eric Pardyjak (pardyjak@gmail.com)

Agenda

8:00-8:20 am Opening (Moderator: Dr. Zhaoxia Pu)

8:00- 8:05 am Opening Remarks

8:05- 8:20 am Introduction

8:20-8:9:15am CFACT Science Overview and NCAR Data/Instrumentations/Sciences (Moderator: Dr. Eric Pardyjak)

8:20- 8:40 am CFACT Project Status & Science Overview (Dr. Zhaoxia Pu, University of Utah)
(15 min presentation, 5 minutes Q & A)

8:40-9:15 am NCAR EOL support CFACT: Field deployment, data process, and user support
(Dr. William Brown, Dr. Steve Oncley, and Jacquie Witte, NCAR/EOL)
(28 min presentation, 7 minutes Q & A)

9:15-10:55 am CFACT Data/Instruments/Science (Moderator: Dr. Zhaoxia Pu) (15 min each / 10 min presentation, 5 min Q & A)

9:15-9:30 am University of Utah CFACT science instrumentation and data (Dr. Eric Pardyjak, University of Utah)

9:30-9:45 am Cold fog microphysics and measurements (Dr. Ismail Gultepe, ECC Canada)

9:45-10:00 am Aerosol science and measurements (Dr. Gannet Hallar, University of Utah)

10:00-10:10 am Break

10:10-10:25am CFACT data analysis and model validation: Progress and challenge (Dr. Zhaoxia Pu and Rebecca Beal, University of Utah)

10:25-10:40am Surface fluxes and radiation measurements/analyses (Dr. Sebastian Hoch, University of Utah)

10:40-10:55am The impact of hydrometeors and ice crystals on the extinction of infrared and microwave radiation. (Dr. Alexei Perelet, University of Utah)

10:55-11:25 am Open discussion on data availability, quality control, and release status (Moderator: Dr. Eric Pardyjak)

11:25 – 11:55 am Open discussion on CFACT data and science, emphasizing user's data needs and accommodation (Moderator: Dr. Zhaoxia Pu)

11:55-12:00 pm Open questions and plan for future meeting

12:00 pm Adjourn