

2024 SABRE / ACCLIP Science Team Meeting, Boulder CO

Tuesday, 4/30			Wednesday, 5/1		
8:30	Badge pick-up	Coffee/Tea	8:30	Coffee/Tea	
	<i>Moderator: Paul Newman</i>			<i>Moderator: Troy Thornberry</i>	
9:10	Ken Jucks	NASA	9:00	Peter Hoor (online)	PHILEAS: An overview
9:20	Sylvia Edgerton	NSF (online)	9:20	Oliver Eppers (online)	Contrasting the influence of East and South Asia on the chemical composition of the ATAL during
9:30	Dave Fahey	NOAA/ERB (online?)	9:40	Jun Zhang	Sources and regions attributions to the upper troposphere nitrogen oxides during the Asian
9:40	Laura Pan	The unique Asian monsoon tropopause structure and its role in large scale transport and mixing	10:00	Shawn Honomichl	Source identification of high NOx events observed during ACCLIP
10:00	Katrin Müller (online)	The Palau Atmospheric Observatory - updates on the ozonesonde and lidar record and air mass	10:20	Break	
10:20	Break		10:50	Eleanor Waxman	NOx-catalyzed ozone tendencies in the Asian summer monsoon anticyclone during ACCLIP
10:50	Troy Thornberry	The SABRE project and SABRE 2023 Overview	11:10	Drew Rollins	SO2 and NOx as secondary aerosol precursors from ACCLIP and SABRE
11:10	Eric Ray	The Arctic Stratosphere in 2023	11:30	Laura Pan	ACCLIP publication planning
11:30	Ren Smith	Transport by Asian Summer Monsoon Convection to the Upper Troposphere and Lower			
11:50	Ben Clouser	Water Isotopologues in ACCLIP: Overview and Case Studies			
12:10	Lunch		12:10	Lunch	
	<i>Moderator: Becky Hornbrook</i>			<i>Moderator: Kate Smith</i>	
13:30	Carly Kleinstern	Horizontal mixing and gravity waves in supertyphoon Hinnamnor	13:30	Eric Ray	Age of air from SABRE trace gas measurements
13:50	Erin Delaria	HCHO enhancements during ACCLIP and comparisons to DCOTSS 2022	13:50	Gordon Novak	An overview of StratCIMS reactive halogen measurements from SABRE
14:10	Eric Apel	Halogenated organics during ACCLIP	14:10	Zach Decker	The first in situ observations of stratospheric N2O5 chemistry on stratospheric aerosol
14:30	Sam Hall	HARP-Actinic Flux water vapor and oxygen band	14:30	Matt Brown	Particles in the UTLS during ACCLIP
14:40	Theresa Campos	Upper tropospheric and lower stratospheric	14:50	Break	
14:50	Break			<i>Moderator: TBD</i>	
	<i>Moderator: Victoria Treadaway</i>		15:20	Bernadett Weinzierl	Coarse mode aerosol measurements during ACCLIP and SABRE
15:20	Elliot Atlas	ACCLIP measurements	15:40	Ren Smith	Preliminary Evaluation of CESM-CARMA with ACCLIP Airborne Observations
15:40	Colin Gurganus	OCS Observations at the UTLS during ACCLIP: Highlighting the uncertainty of anthropogenic	16:00	Ming Lyu (online)	Multi-modal structural size distribution for aerosols in the upper troposphere/lower
16:00	Joy Yi	Different behavior of ASM transport on short-lived and long-lived chemical species inferred	16:20		
16:20			16:30	Ja-Ho Koo (online)	Vertical pattern of air chemicals in the troposphere based on ACCLIP flight
16:30	Juseon Bak (online)	Asian summer monsoon outflow and meteorological transport of ozone and carbon	16:50	Announcements	
16:50	Announcements		17:00	Adjourn	
17:00	Adjourn				

Meeting Zoom Link: <https://ucar-edu.zoom.us/j/97390612226?pwd=b0NoaXRGRUpMbTRCT29uR01MSkhodz09>

Meeting ID: 973 9061 2226

Passcode: sabre2024

Meeting website with registration, participant, venue and speaker info:

<https://csl.noaa.gov/events/sabre2024/>

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Thursday, 5/2			Friday, 5/3		
8:30	Coffee/Tea		8:30	Coffee/Tea	
	<i>Moderator: Adam Ahern</i>				
9:00	Franziska Köllner (online)	Asian monsoon as a seasonal source for ammonium nitrate and organic matter in the	9:00	Troy Thornberry/ Eric Jensen and team discussion	SABRE 2025
9:20	Matthias Kohl (online)	Global impact of the South Asian Monsoon: A modeling study			
9:40	Rei Ueyama	On the fate of aerosols produced by new particle formation in the UTLS			
10:00	Shang Liu	Enhanced aerosol mass in the tropical tropopause layer linked to ozone abundance			
10:20	Break		10:20	Break	
10:50	Alex Baron	B2SAP observations	10:50	Payload discussions	
11:10	Eric Jensen	Comparison between SABRE and SOLVE Arctic stratosphere aerosol measurements	11:10		
11:30	Gregg Schill	Aerosol composition in the ATAL during ACCLIP	11:30		
11:50	Yunqian Zhu	Evaluating the importance of nitrate-containing aerosols for the Asian Tropopause Aerosol Layer	11:50		
12:10	Lunch		12:10	Adjourn	
	<i>Moderator: TBD</i>				
13:30	Mike Lawler	Polar vortex particle composition measured during SABRE			
13:50	Sophie Abou-Rizk	Mini-MOUDI analysis of chemical and morphological properties of UT/LS particles			
14:10	Georgia Michailoudi	Characteristics of refractive black carbon aerosols over the Arctic			
14:30	Dan Murphy	Spacecraft metals and perchlorate in the SABRE data			
14:50	Break				
15:20	Further discussion and				
15:40	Laura/Paul/Troy/Eric wrap-up				
16:00					
16:20		Closing remarks			
16:40					
17:00	Adjourn				