

## Monday, November 14

1:30-2:00 pm

Registration

Session 1: Welcome & Overview

Chair: **Bill Randel**

2:00-2:15pm

Welcome by NCAR/ACOM Director Pieternel Levelt

Welcome by Ken Jucks (NASA)

2:15-3:00 pm

Laura Pan

Troy Thornberry

Elliot Atlas

Overview 1: ACCLIP scientific hypotheses and GV highlights

Overview 2: ACCLIP WB highlights

Overview 3: ACCLIP in perspectives of previous airborne chemistry

3:00-3:30pm

Coffee Break

Session 2: ACCLIP Meteorology

Chair: **Paul Newman**

3:30pm-4:45pm

Rei Ueyama (remote CA)

Xinyue Wang

Ren Smith

Leslie Lait & Shawn Honomichl

Julie Haggerty (remote, CO)

Meteorological overview of the ACCLIP deployment

The Asian summer monsoon anticyclone in 2022: structure and dynamics

Examination of ACCLIP observations in the context of trajectory-derived convective influence

Flight planning in ACCLIP

An Overview of Microwave Temperature Profiler Data from ACCLIP

## Tuesday, November 15

8:00

Coffee and Continental Breakfast

9:00-9:10am

Welcome by Silvia Edgerton (NSF, remote)

Session 3: ACCLIP Modeling

Chair: **Doug Kinnison**

9:10-9:55

Qing Liang

Model performance evaluation of GEOS-FP and GEOS-CF in support of ACCLIP

Mian Chin

Sources and transport of pollutants to the UTLS by Asian summer monsoon: Modeling and analysis of ACCLIP and other aircraft data

Baerbel Vogel (remote - Europe)

Asian monsoon transport from CLaMS Lagrangian model simulations using ERA5 reanalysis. Note: 9am MST = 5pm CET.

Session 4: Satellite

10:00 - 10:45am

Chair: **Qing Liang**

Luis Millan Valle (remote CA)

The 2022 Asian summer monsoon ,Äi An Aura MLS perspective

Anne Boynard

What does IASI see during the Asian Summer Monsoon over the west Pacific?

Shawn Honomichl

TropOMI Tropospheric CO for the ACCLIP 2022 season

10:45-11:15am

Coffee Break

Session 5: ACCLIP Chemistry I

11:15am - 12:15pm

Chair: **Troy Thornberry**

Teresa Campos

ACCLIP 2022 G-V tracer measurements of carbon dioxide, carbon monoxide, methane, nitrous oxide and water vapor

Colin Gurganus

ACOS duing ACCLIP

Laura Iraci

COMA Status: Carbon Monoxide and Nitrous Oxide Observations from the WB-57

Silvia Viciani

CO and N2O measurements during ACCLIP with COLD2 instrument (tbc)

12:15pm - 1:30pm

Lunch and Side Discussions

Session 6: Chemistry II

1:30-3:00pm

Chair: **Elliot Atlas**

Ale Franchin

Overview of the NOx and Ozone measurements from the GV

Elanor Waxman

WB-57 NOx Update

Bill Randel

Comparing ACCLIP NOx with satellite and model data

Greg Huey  
Drew Rollins  
Sam Hall

Measurement of Acidic Gases by CIMS during ACCLIP  
SO<sub>2</sub> observations from the WB-57 during ACCLIP  
ACCLIP photolysis frequencies derived from HARP-Actinic Flux  
measurements

3:00-3:45 pm

Coffee Break

Session 7. Ozone & other (Remote) Chair: **Paul Newman**

3:45-4:30 pm

Joowan Kim (remote - Asia)

Ozone variabilities in the UTLS measured from balloon soundings during ACCLIP 2022

Ja-Ho Koo (remote - Asia)

Short summary for the NIER aircraft measurement in 4-5 August. Note:  
4pm MST = 8am KST.

Taku Umezawa (remote - Asia)

The CONTRAIL commercial airliner measurements during the ACCLIP  
campaign

Poster Introduction

5 min each, 1 slide

Juseon Bak (remote - Korea)

Daily ozone profile measurements from ozonesonde soundings and Aura-  
OMI instrument during the 2022 ACCLIP campaign

Sang Seo Park (remote- Korea)

Comparison of Pandora and ozonesonde in Southern part of South Korea

Wei-Nai Chen (remote- Taiwan)

Vertical Ozone Profiles observed by Ozonesone at Pengjia Islet (25.629N,  
122.079E), Taiwan during ACCLIP 2022

## Wednesday, November 16

8:00

Coffee and Continental Breakfast

Session 8: Aerosols I

Chair: **Lars Kalnajs**

9-10:30am

Christina Williamson (remote - Europe)

Aerosol formation and processing from GV size distribution observations.  
Note: 9am MST = 5pm CET.

	Oliver Eppers (remote - Europe)	Chemical characterization of the ATAL measured by ERICA - First results
	Luke Ziemba	Properties of the Asian Tropopause Aerosol Layer Observed from the WB-57 during ACCLIP
	Gregory Schill	PALMS Results from ACCLIP 2022
	Georgia Michailoudi	rBC aerosol concentrations measured on the GV during the Asian Summer Monsoon
	Anne Perring	Microphysical properties of black carbon observed during the ACCLIP mission
10:30am - 11:00 am	Coffee Break	
<u>Session 9: Aerosols/clouds</u> 11:00 am-12:00 pm	Chair: <b>Yunqian Zhu</b>	
	Doug Goetz	High Altitude Profiles of Aerosol and Water Vapor from Osan AB
	Bernadett Weinzierl	Coarse mode and cloud measurements with CAPS during ACCLIP
	Sarah Woods	Cirrus cloud characteristics during ACCLIP
	Kenneth Christian	The Roscoe lidar: initial results from the ACCLIP campaign
Poster Introduction (in person) 5 min each, 1 slide	Jason St. Clair	Formaldehyde measurements from the WB-57
	Caroline Dang	Nitrous Oxide in the Asian Summer Monsoon
12:15 pm - 1:30 pm	Lunch	
<u>Session 10: Chemistry III</u> 1:30-2:15	Chair: <b>Katie Smith</b>	
	Rebecca Hornbrook	Preliminary exploration of VOC tracer relationships during ACCLIP
	Eric Apel	Observations of gas phase organic species in the ASM outflow with context from previous aircraft measurements
	Victoria Treadaway	Whole Air Sampler Tracer Correlations
<u>Session 11: Water Vapor</u> 2:15-3:00pm	Chair: <b>Jason St. Clair</b>	
	Benjamin Clouser	Water Vapor Isotopes in the Asian Summer Monsoon

Liz Moyer

Water Vapor Isotopic Composition in the N American and Asian monsoons

Glenn Diskin

Status of DLH Measurements of Water Vapor Mixing Ratio and Relative Humidity during ACCLIP 2022

3:00-3:30 pm

Coffee Break

Publication planning discussion

Chair: **PIs**

3:30 - 4:30

Posters & side discussions

4:30 - 5:00

## Thursday, November 17

8:00

Coffee and Continental Breakfast

Session 12: ACCLIP Data

Chair: **Ren Smith**

9:00 - 9:30 pm

Scot Loehrer

NCAR/EOL ACCLIP Data Management

Megan Buzanowicz

NASA ASDC Distributed Active Archive Center (DAAC)

Final summary and plan for next step

9:30 - 10:30 am

**Paul Newman**

Mission Summary

12:00

Adjourn