



Earth Observing Laboratory

Atmospheric Chemistry
Observations & Modeling

EOL/ACOM Seminar

Progress Overview of the Asian Summer Monsoon Chemical and Climate Impact Project

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Date: Tuesday, October 15th, 2024, 3:30 pm – 4:30 pm (MT)
FL2-1022

Link: <https://operations.ucar.edu/live-eol>

ABSTRACT

The Asian Summer Monsoon Chemical and Climate Impact Project (ACCLIP) conducted a two-research aircraft field campaign during the summer of 2022. Despite a shortened deployment period due to the COVID-19 pandemic, the campaign successfully obtained the most extensive atmospheric dynamics and composition data in the upper troposphere and lower stratosphere (UTLS) over the Asian summer monsoon. Data analysis and modeling after the field phase are ongoing for various research topics. These include insights into monsoon dynamics and climate variability through composition measurements, new information on the UTLS chemical and microphysical environment over the ASM, and the role of monsoon convection in connecting Asian economic development to global change.

In this seminar, we will present an overview of key accomplishments and selected post-campaign research highlights, aimed at informing both scientists with general interests and the science team members who contributed to the project.

For more information, please contact Qing Ye (qingye@ucar.edu) or Kyle Zarzana (kzarzana@ucar.edu).

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