

CAMP2EX AGENDA



Date: July 12-14, 2022

Tuesday July 12, 2022: CAMP2EX Overview and Remote Sensing

Time (PDT)	Item	Presenter
08:00	Check in and badge pickup	Lynn Kennedy
09:00	Greetings and Goals	Jeff Reid
9:05	HQ Address	Hal Maring
9:15	Mission Latest	Jeff Reid
9:35	Composition Focus Area	Ewan Crosbie
9:55	Radiation Focus Area &	Schmidt (remote)
10:15	Manila CHCSUM Site	Obie Cambaliza
10:35	Cloud and Aerosol Remote Sensing development in Support of CAMP2Ex with a focus on geostationary capabilities	Robert Holz & Chip Trepte
10:50	Break	
11:10	Cloud Focus Area	Jay Mace
11:25	Lear 35-Spec data review	Paul Lawson
11:45	PISTON Data	Reid and Thompson.
11:55	Lunch	
13:25	Mission Modeling	Tag team
13:45	APR 3 Data Products and Analysis	Ousmane Sy
14:05	HSRL2 and remote sensing derived hygroscopicity	Richard Ferrare
14:25	RSP Overview, retrieval development, and tomography	Brian Cairns
14:45	Shallow cumulus/congestus ACI and aerosol water uptake	Bastiaan van Diedenhoven
15:05	Imagery-Based Machine Learning using CAMP2Ex Data	Vikas Nataraja
15:25	Break	
15:45	High resolution and multiangle imager cloud retrievals in support of CAMP2Ex	Kerry Meyer
16:05	Multi-angle cloud detection and stereo height algorithms with the CAMP2Ex All-Sky Camera	Katey Dong

Time (PDT)	Item	Presenter
16:25	Evaluation of Geo-Stationary Ice Cloud Optical Thickness Retrievals using High Spectral Resolution Lidar during the CAMP2EX and PISTON Campaigns	Terry Pagano
16:45		
16:45	Adjourn	

Wednesday July 13, 2022: Composition and Clouds Phenomenology

Time (PDT)	Item	Presenter
08:00	Check in and badge pickup	Lynn Kennedy
8:30	Potential Effects of Cirrus Cloud on PBL Height and Aerosol Loading in Metro Manila using Ground-Based High Spectral Resolution Lidar	Shane Visaga (remote)
8:50	Impacts of regional wind circulations on aerosol pollution and planetary boundary layer structure in Metro Manila, Philippines	Melliza (Liz) Cruz (remote)
9:10	Sampled State	Tag Team
9:30	Microphysics of Cumulus Congestus Clouds	Paul Lawson
9:50	Aerosol wet scavenging by convective clouds during CAMP2Ex	Xiao Qian
10:10	Break	
10:30	Evaluating Bimodal DSDs in Aerosol-Aware NU-WRF Simulations of Cumulus Congestus during RF14	Mckenna Stanford
10:50	Vertical Transport and Wet Scavenging of Aerosols in Convection from Local to Regional to Global Scales	Mary Barth
11:10	Quantifying wet scavenging of aerosol particles during transport and in convection during CAMP2Ex	Miguel Hilario
11:25	Nucleation and particle formation during CAMP2Ex	Jian Wang
11:45	Aerosol Climatology and Case Studies in and Around Metro Manila	Genie Lorenzo
12:05	Lunch	
13:35	Aerosol vertical profiles and the animals in the PBL zoo	Jeff Reid
13:55	LES simulations of the typical Marine Boundary Layer	David Flagg
14:15	Cloud water chemistry	Ewan Crosbie
14:35	Constraining the Maritime Coarse Mode	Kira Zeider
14:55	Lagrangian coupled large eddy simulations on particle sampling relationships to surface and turbulent fluxes	John Park
15:15	Break	
15:35	Individual Breakouts:	

Time (PDT)	Item	Presenter
	1. LES->Mesoscale->Global Modeling	Ann Fridlind
	2. High res and 3D RT	Paul Meyer
	3. Air Quality SARP Students	Eva-Lou Edwards
16:35	Plenary Discussion: Integrated data products.	Chen and Reid
17:05	Adjourn	

Thursday July 14, 2022: Cloud-Aerosol Interaction Day

Time (PDT)	Item	Presenter
08:00	Check in	Lynn Kennedy
8:30	Evaluating Cloud Properties and Near-Surface Winds during CAMP2Ex using AMPR's Geophysical Retrievals in an Environmental Context	Corey Amiot
8:50	Cold Pools of CAMP2Ex	Sue van den Heever
9:10	Modulation of Forcing for Convective Initiation by Cold Pool Collisions	Nick Falk
9:30	The Effect of Aerosol Loading on Shallow Convective Precipitation Inferred from Co-occurring Cloud and Precipitation within the Warm-topped Maritime Clouds Observed during CAMP2Ex	Zhuocan Xu
9:50	Estimating the impact of aerosol loading on convective transport as a function of aerosol type	Gabriel Leung
10:10	Break	
10:30	Active convection: Forcing, Thermodynamics and Aerosols	Svetla Hiristova
10:50	Aerosol Impacts on Congestus and Deep Convective Cloud Precipitation in the Maritime Continent	Sean Freeman
11:10	Characterizing morphological and lifecycle differences between terminal and transient tropical convective modes using tobac v1.5	Alex Sokolowsky
11:30		
11:50	Lunch	
13:20	Individual Breakouts:	
	1. Object oriented analysis	Sean Freeman & Alex Sokolowsky
	2. Aerosol and cloud closure and applications	Jeff Reid
	3. TBD	
14:20	What have we learned about shallow convection from matched aircraft and AHI observations during CAMP2EX	Roman Kowch

Time (PDT)	Item	Presenter
14:40	What do the global models want?	Arlindo da Silva
15:00	Break	
15:00	Plenary 1: Lessons learned on projecting observations to remote sensing and models and back.	
15:30	Plenary Discussion: CAMP2Ex as a microcosm of AOS science	Trepte
16:30	Final Discussion and action list	Reid
16:45	Adjourn	