

Breakout Session: Aerosol and Cloud Experiments in Eastern North Atlantic (ACE-ENA)

Thursday, June 25 <sup>th</sup> , 2020, 11:00 am -1:00 pm (EDT)		
Registration: <a href="https://zoom.us/webinar/register/WN_fgOPdsVrR3SXHVA4OKVfaQ">https://zoom.us/webinar/register/WN_fgOPdsVrR3SXHVA4OKVfaQ</a>		
11:00-11:01	Brief introduction and announcements	Jian Wang
11:01-12:38 15 presentations 5 min + 1.5 min (questions and transition) for each presentation	Evaluating the E3SM and CESM simulations of aerosols and CCN with the ACE-ENA campaign and ARM ground-based observations	Xiaohong Liu
	Impact of Seasonal Variabilities and Synoptic Conditions on Vertical Profiles of Trace Gas and Aerosol Properties over the Eastern North Atlantic	Yang Wang
	Aerosol and gas chemistry in the Eastern North Atlantic during ACE-ENA	Maria A. Zawadowicz
	Condensational growth by organics produces cloud condensation nuclei over remote oceans	Guangjie Zheng
	Impact of Dry Intrusions on the Marine Boundary Layer	Shira Raveh-Rubin
	Impact of dry intrusion events on composition and mixing state of particles during ACE-ENA study	Alex Laskin
	Micro-spectroscopic examination of free troposphere and marine boundary layer ice nucleating particles during ACE-ENA	Daniel Knopf
	Impacts of Aitken-mode aerosols in large-eddy simulations of boundary layer clouds	Matt Wyant
	Seasonal contrasts in clouds and aerosols during ACE-ENA	Rob Wood
	MBL cloud and drizzle retrievals and their constraints on warm rain processes in GCM simulations.	Xiquan Dong
	In-cloud vertical air motion retrievals in warm clouds	Zeen Zhu
Summertime Post-Cold-Frontal Marine Stratocumulus Transition Processes during ACE-ENA	Mark Miller	

	Observations of marine stratocumulus microphysics, turbulence, and aerosols during ACE-ENA	Jaemin Yeom
	Vertical variation of turbulent entrainment mixing processes in marine stratocumulus clouds over ENA using digital holography.	Neel Desai
	Vertical Dependence of Horizontal Variation of Cloud Microphysics	Zhibo Zhang
12:38-12:40	LASSO announcement	TBD
12:40-13:00	Group discussion <ul style="list-style-type: none"> <li>▪ Data needs</li> <li>▪ Future collaborations and potential publications</li> </ul>	