

PART 1: 11:45 AM–1:00 PM

19 posters

A. Atmospheric Chemistry

A1	DeVault	Marla	CU/CIRES	marla.devault@colorado.edu	GS	Particle-Phase Products of Δ -3-Carene oxidation by NO ₃ Radicals in the Atmosphere
A2	Berry	Jennifer	CU/CIRES/Chem	jennifer.l.berry@colorado.edu	GS	The Influence of Gas-phase Chemistry on Organic Haze Formation
A3	Fernanders	Marium	CU/CIRES	marium.fernanders@colorado.edu	GS	Deliquescence and Efflorescence of Chlorate Salts under Mars-relevant conditions
A4	Leresche	Frank	CU/EVEN	frank.leresche@colorado.edu	PD	Source and influence of hydroxyl radicals on the photoaging of particulate matter in Colorado

B. Synoptic and Mesoscale Meteorology

B1	Wallace	Robinson	CU	wallacer@colorado.edu	GS	The Lightning and Dual-Polarization Radar Characteristics of Three Hail Accumulating Thunderstorms
B2	Nelson	T. Connor	CU/ATOC	Timothy.Nelson-1@colorado.edu	PD	Analysis of Environments Leading to Convective Initiation during the RELAMPAGO Campaign
B3	Molina	Maria	NCAR/ASP	molina@ucar.edu	PD	Testing the Sensitivity of a Tornado Outbreak to Upstream SSTs
B4	Brabec	Colby	CU/NWRA/LASP	cobr4010@colorado.edu	UG	Spectral Analysis of gravity waves using the High Resolution Dynamics Limb Sounder
B5	Vega	Katherine	CU/CIRES	katherine.i.vega@colorado.edu	UG	Broad Scale Synoptic Weather Patterns and Extremely Low Temperatures in the Antarctica Plateau
B6	Lillo	Sam	CIRES/NOAA PSD	sam.lillo@noaa.gov	PD	The Role of a Tropopause Polar Vortex in the January 2019 Arctic Outbreak

C. Oceanography and Large-Scale Dynamics

C1	Zhang	Xiaolin	CU	zhang.xiaolin@colorado.edu	PD	Decadal variability of upwelling in the tropical Indian Ocean: Observation and effects of climate modes
C2	Olivarez	Holly	CU/INSTAAR/ENVS	holly.olivarez@colorado.edu	GS	A synthetic ensemble for air-sea CO ₂ flux observations
C3	Elsworth	Geneviève	INSTAAR/GEOL	genevieve.elsworth@colorado.edu	GS	A synthetic ensemble of global ocean chlorophyll concentration
C4	Brady	Riley	CU/ATOC/INSTAAR	riley.brady@colorado.edu	GS	Skillful multiyear predictions of ocean acidification in the California Current System
C5	Wu	Xiaoning	NCAR/SUNY Stony Brook	xiaoning.wu.1@stonybrook.edu	GS	Tropical Cyclones and Ocean Heat Transport in a Simplified Climate Model
C6	Gentry	Matthew	CU/ATOC/CIRES	matthew.gentry@colorado.edu	GS	Clouds Increase Southern Ocean Carbon Uptake
C7	Staeheli	Pascal	CU/ATOC	past0008@colorado.edu	UG	Impact of interannual Climate Variability Modes on sea level change in the Seychelle-Chagos Island Chain
C8	Lu	Chu-en	CU/ATOC	chlu1451@colorado.edu	UG	Storm surges around the Asian coasts and islands over the western Pacific
C9	Wei	Ho-Hsuan	CIRES/ATOC	hohsuan.wei@colorado.edu	PD	Air-sea Interaction Processes and Biases in the Tropical Pacific in relation to El Nino generation in CESM2

PART 2: 1:15 PM–2:30 PM

19 posters

D. Aerosols, Clouds, and Precipitation

D1	Vanlerberghe	Kyle	CU/ATOC/LASP	kyle.vanlerberghe@colorado.edu	UG	Analysis of Tropical Convective System Properties using A-Train Satellite Data Fusion
D2	Xie	Hailing	ATOC/LASP	Hailing.Xie@colorado.edu	GS	Seasonal aerosol variation at Arctic based on ground-based lidar
D3	Clyne	Margot	ATOC/LASP	margot.clyne@colorado.edu	GS	Including Aerosols in Photorate Calculations in CESM2 for Volcano Simulations
D4	Morales	Annareli	NCAR/ASP	amorales@ucar.edu	PD	Multivariate Sensitivity Analysis of Orographic Precipitation Within an Idealized Atmospheric River Environment
D5	Culler	Elsa	CVEN/CIRES	elsa.culler@colorado.edu	GS	A data-driven approach to identifying post-fire landslide triggers
D6	Yang	Kang	ATOC/LASP	Kang.Yang@colorado.edu	GS	Improved Tropical Convective Cloud Characterization by Combining MODIS and CloudSat Radar and CALIPSO Lidar Measurements
D7	Rosencrans	David	ATOC/CU	david.rosencrans@colorado.edu	UG	Comparison of airborne and geostationary satellite imagery

E. Boundary Layer and Wind Energy

E1	Luchetti	Nick	CU/ATOC	nicholas.luchetti@colorado.edu	GS	Evaluating thunderstorm downdrafts in complex terrain
E2	Plunkett	Camden	CU/ATOC	camden.plunkett@colorado.edu	GS	Does Rotor-Equivalent Wind Speed Differ from Hub-Height Wind Speed? Observations from Complex Terrain during WFIP2
E3	Tomaszewski	Jessica	CU/ATOC	jessica.tomaszewski@colorado.edu	GS	Wind farms can modify thunderstorm outflow boundaries
E4	Shogrin	Madison	CU/NASA/JPL/Caltech	mash3313@colorado.edu	UG	Boundary Layer Water Vapor Quantification using the Orbiting Carbon Observatory-2 (OCO-2) & the Atmospheric Infrared Sounder (AIRS)
E5	Lin	Guo	ATOC/LASP	Guo.Lin@colorado.edu	GS	Interactions between a Nocturnal MCS and the Stable Boundary Layer as Observed by an Airborne Compact Raman Lidar during PECAN
E6	Sanchez Gomez	Miguel	CU/MCEN	misa5952@colorado.edu	GS	The effect of wind direction shear on turbine performance in a wind farm in central Iowa

F. Snow and Ice

F1	DeRepentigny	Patricia	CU/ATOC/INSTAAR	patricia.derepentigny@colorado.edu	GS	Arctic Sea Ice in the Community Earth System Model Version 2 (CESM2) over the 20th and 21st Centuries
F2	Smith	Abigail	CU/ATOC/INSTAAR	abigail.l.smith@colorado.edu	GS	Seasonal transitions of Arctic sea ice over the satellite era
F3	Dunmire	Devon	CU/ATOC	devon.dunmire@colorado.edu	GS	Machine learning methods for detecting Antarctica's hidden water
F4	Schreiber	Erika	CU/CIRES/NSIDC/GEOG	erika.schreiber@colorado.edu	GS	Systematic Analysis of Arctic Cyclone Impacts on Sea Ice Concentration from 1979 to Present
F5	Middlemas	Eleanor	CU/CIRES	eleanor.middlemas@colorado.edu	PD	Isolating the influence of cloud radiative feedbacks on Arctic surface warming
F6	Low	Taydra	CU/ATOC/CIRES	taydra.low@colorado.edu	UG	Evaluation of Snow Height in Comparison to Precipitation Observations for the Northwest Ross Ice Shelf, Antarctica