	ing: Marine		
9:00	Welcome		David Fahey and Barry Lefer
9:15	Meeting Logistics		Becky Schwantes
9:20	Summary of AGES+ and goals of workshop		Carsten Warneke
5.20	Marine Science		Co-Chairs: Drew Rollins, Lynn Russell (virtual)
9:25	Marine chemistry during AEROMMA		Drew Rollins
9:35	An overview of airborne measurements during SCILLA	virtual	Mikael Witte
9:45	Physical modeling for AEROMMA Marine, SCILLA, and West Coast	VIII COOL	Wayne Angevine
9:55	Measurement of the marine coarse mode aerosol size distribution during AEROMMA		Bernadett Weinzierl
10:05	Large eddy simulations of HPMTF in the cloudy marine boundary layer during AEROMMA		Jan Kazil
10.03	Large edgy simulations of the wife in the cloudy marine boundary layer during Action with		Discussion leads: Drew Rollins, Lynn Russell
10:15	Marine Science Discussion and Next Steps		(virtual)
10:30	Coffee break		
	Meteorology		Co-chairs: Sunil Baidar, Steve Brown
11:00	Overview of the CUPiDS deployment		Sunil Baidar
11:10	1st Year of the Community Research on Climate and Urban Science (CROCUS) Urban Integrated Field Laboratory		Joe OBrien
11:20	Preliminary results from the Mobile lab measurements for the enhanced air pollution over Long Island south shore		Jie Zhang
	Analysis of Ozone Production and Transport During Summer 2023 with Synergistic Lidar and other In Situ and		
11:30	Remote Sensing Observations		Fred Moshary
11:40	Evaluating meteorological models in NY and DC metro areas using airborne and ground based Doppler Lidars	virtual	Israel Lopez Coto
11:50	Modeling Ozone Peak Summer Episodes in NYC with Urbanized WRF-Chem		Jorge Gonzalez-Cruz
12:00	Meteorology Discussion and Next Steps		Discussion leads: Sunil Baidar, Steve Brown
12:20	Lunch		
May 29 After	noon: Satellite Evaluation and Science		
			Marine: Paul Walter, Christopher Jernigan, Michael Lawler Meteorology: Yashar Ebrahimi-Iranpour, Clara Lietzke, Brian Carroll, Joe Taylor Satellite Evaluation and Science: Adam Ahern, Carrie Womack, Rainer Volkamer, Abby Sebol,
13:30	Poster session and discussion: Marine, Meteorology, & Satellite Evaluation and Science		Luke Valin, Maurice Roots, Charles Brock, Kristen Zuraski
13.30	Satellite Evaluation and Science		Co-chairs: John Sullivan, Carsten Warneke
14:30	The TEMPO satellite mission: Overview and results from the first year in orbit		Caroline Nowlan
14:40	TEMPO NO2 and HCHO algorithm status		Gonzalo Gonzalez Abad
14:50	GCAS observations under TEMPO during STAQS		Laura Judd
15:00	Coffee break		Ladia Judu
15.00			
15:30	Characterizing Summer 2023 Ozone Transport at Multiple Urban Centers with Coordinated Ozone Profiling by the Tropospheric Ozone Lidar Network (TOLNet)		John Sullivan
15:40	Multi-scale quantification of air pollution in New York City		Audrey Gaudel
15:50	LMBREEZE Obs under TEMPO		Mike Newchurch
16:00	E planting of TEMPO NOS colonia de la circa la c		Eleanor Waxman
10:00	LEVALUATION OF LEIVIPO NOZ COLUMNS USING IN-SITU DC-8 DATA		
	Evaluation of TEMPO NO2 columns using in-situ DC-8 data Harmonizing Ground-Based and Satellite Measurements during STAOS	virtual	Kristen Okorn
16:10	Harmonizing Ground-Based and Satellite Measurements during STAQS		Kristen Okorn Brad Pierce
16:10 16:20	Harmonizing Ground-Based and Satellite Measurements during STAQS TEMPO Indirect Validation		Brad Pierce
16:10 16:20 16:30	Harmonizing Ground-Based and Satellite Measurements during STAQS TEMPO Indirect Validation Satellite Evaluation and Science Discussion and Next Steps		
16:10 16:20 16:30 17:00	Harmonizing Ground-Based and Satellite Measurements during STAQS TEMPO Indirect Validation Satellite Evaluation and Science Discussion and Next Steps Adjourn		Brad Pierce
16:10 16:20 16:30 17:00	Harmonizing Ground-Based and Satellite Measurements during STAQS TEMPO Indirect Validation Satellite Evaluation and Science Discussion and Next Steps Adjourn ing: Emissions and Inventories		Brad Pierce Discussion leads: Laura Judd, Mike Newchurch
16:10 16:20 16:30 17:00 May 30 Morn	Harmonizing Ground-Based and Satellite Measurements during STAQS TEMPO Indirect Validation Satellite Evaluation and Science Discussion and Next Steps Adjourn ing: Emissions and Inventories Emissions and Inventories		Brad Pierce Discussion leads: Laura Judd, Mike Newchurch Co-chairs: Dylan Millet, Jeff Peischl
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16:10 16:20 16:30 17:00 May 30 Morn 9:00 9:10 9:20 9:30 9:40 9:50 10:00 10:10 10:20	Harmonizing Ground-Based and Satellite Measurements during STAQS TEMPO Indirect Validation Satellite Evaluation and Science Discussion and Next Steps Adjourn Ing: Emissions and Inventories Emissions and Inventories Emissions and Inventories FROG-NY Flux Site Overview From near to afar: Sources of gas- and particle-phase organic compounds affecting metro New York City Methane Emissions from Natural Gas Distribution in New York City and Chicago Inventories Underestimate Summertime Methane Emissions in Suburban New York City City-Scale Methane Retrievals from the High-Altitude Lidar Observatory During the 2023 STAQS Campaign Trends in methane source apportionment for the Los Angeles Basin from 2010-2023 Developing and Validating Self-Consistent Fossil Fuel Carbon Dioxide and Air Quality Emissions Inventories Urban sources of ammonia inside and outside of wildfire smoke influence Distributions and Correlations of Volatile Organic Compounds (VOCs) during AEROMMA 2023 over North America		Brad Pierce Discussion leads: Laura Judd, Mike Newchurch Co-chairs: Dylan Millet, Jeff Peischl Dylan Millet, Delphine Farmer Drew Gentner Jeff Peischl Yuwei Zhao Rory Barton-Grimley Nell Schafer Congmeng Lyu Emily Lill Victoria Treadaway Kevin Cossel, Ayomide Akande, Milan Roska, Martina Rogers, Adam De Groodt, Luke Schiferl, Subi Thakali, Na-Yung Seoh, Kelvin Bates, RenXi Ye, Cora Young, Lisa Azzarello, Rose Rossell, Matthew Coggon, Ilana Pollack, Jessica Gilman,

May 30 Afterno	on: Meteorology		
13:40	VOC Instrument Intercomparisons Aboard the NASA DC-8		Morgan Selby
13:50	Summertime VOC concentrations in Manhattan indicate anthropogenic emission signatures		Daniel Blomdahl
14:00	TBD after discussion with the NOAA team		Georgios Gkatzelis
14:10	TBD		Michael Vermeuel
14:20	Something NH4+CIMS related		Chelsea Stockwell
14:30	Emissions and Inventory Discussion		Discussion leads: Delphine Farmer, Drew Gentner
15:00	Coffee break		
	Chemical Transformations		Co-chairs: Xinrong Ren, Cora Young
15:30	Using AGES+ Data for Regulatory Decision Support: LADCO Priorities for AGES+ Chicago Data		Angie Dickens
15:40	Non-Refractory Submicron Aerosol Chemical Composition during the 2023 AEROMMA Project		Ann Middlebrook
15:50	Chemical Characterization and Source Apportionment of Organic Aerosol in Urban Atmosphere Using High- Resolution Time-of-Flight Aerosol Mass Spectrometer (HR-ToF-AMS) and FIGAERO Chemical Ionization Mass Spectrometer (CIMS)		Athena Xu
16:00	Single particle characterization with PALMS-NG during AEROMMA	Virtual	Xiaoli Shen
16:10	Humid summers driving aqueous phase production of oxygenated organic aerosol in New York City	Virtual	Mitchell Rogers
23.20	Emerging Anthropogenic and Climate-Influenced Sources Drive Variability and Compositional Diversity of New York		
16:20	Urban Aerosol	Virtual	Emily Franklin
16:30	Investigation of Aerosol Composition and Biomass Burning During AEROMMA		Amy Sullivan
16:40	Mechanistic Updates to Modeling gas-phase and SOA chemistry in Los Angeles using WRF-Chem		Quazi Ziaur Rasool
16:50	Poster session and Discussion: Chemical Transformations and Meteorology		Alana Dodero, Becky Schwantes, Colby Francoeur, Kathryn Beth Kautzman, Magesh Kumaran Mohan, Ruchen Zhu, Christoph Senff, Patricia Cleary
17:30	Adjourn		
May 31 Mornin	g: Chemical Transformations		
	Chemical Transformations		Co-chairs: Xinrong Ren, Cora Young
9:00	Efficiency of urban ozone photochemistry during the 2023 AEROMMA airborne field campaign		Wyndom Chace
9:10	Isoprene Peroxy Radical Fate Informs the Urban Photochemical Regime		Mike Robinson
9:20	Ozone in BB plumes aloft during AEROMMA and CUPIDS		Steve Brown
9:30	Ozone Chemistry in Aged Wildfire Observed During AEROMMA Campaign		Lu Xu
9:40	Reactive nitrogen partitioning fuels contribution of Canadian wildfire plumes to US ozone air quality	Virtual	Meiyun Lin
9:50	Nitrogen oxides, peroxy radicals, and ozone formation in New York City	Virtual	Ezra Wood
10:00	TBD		Jhao-Hong Chen
10:10	Isotopic characterization of reactive N species during AGES+		Jiajue Chai
10:20	Reactive Nitrogen Compounds in Toronto During THE CIX Campaign		Matthew Davis
10:30	Coffee break		
11:00	Stable Isotopic Analysis of HONO and NOx in a Coastal Megacity Area During AGES+	Virtual	Maxwell Horsford
11:10	OH reactivity at the CUNY site - probing regional oxidation capacity and reactivity.		Saewung Kim
11:20	Airborne Measurements of OH Reactivity over Urban Megacities		Aaron Stainsby
11:30	Chemical Transformation Discussion and Next Steps		Discussion lead: Angie Dickens, Becky Schwantes
12:00	General Discussion and Next Steps		Discussion lead: Carsten Warneke, John Sullivan, Delphine Farmer, Sunil Baider, Drew Rollins
12:30	Adjourn		