

NOAA Atmospheric Chemistry, Carbon Cycle and Climate (AC4) FY21 competition awards

#	Investigators	Project title	Institution(s)	Project period
1	Clafin, Megan; Miszal, Pawel	Speciated measurements of VOCs in New York City by an in situ GC-TOF-MS for the characterization of primary emissions in urban air	Aerodyne, Inc., U Texas at Austin	05/2021-04/2024
2	Farmer, Delphine; Millet, Dylan	Fluxes of Reactive Organic Gases in New York: Direct Quantification by Multi-Instrument Eddy Covariance in Support of AEROMMA	Colorado State U; U Minnesota	05/2021-04/2024
3	Jathar, Shantanu	Understanding the emerging contribution of volatile chemical products and food cooking to air quality, the aerosol size distribution, and climate-relevant properties over urban to regional scales	Colorado State U	05/2021-04/2024
4	Kaiser, Jennifer; Hannun, Reem	Formaldehyde as a tracer of emissions and chemical processing of volatile organic compounds during AEROMMA	Georgia Tech; U Maryland BC	05/2021-04/2024
5	Kim, Seawung	Determination of Instantaneous Ozone Production Regime with total OH reactivity measurements in the New York Metropolitan Area during the AEROMMA campaign	UC Irvine	05/2021-04/2024
6	O'Brien, Rachel; Ault, Andy	Size-resolved Organic Aerosol Composition, Sources, and Characteristics in Urban Areas	William & Mary; U Michigan	05/2021-04/2024
7	Pollack, Ilana	Ammonia for AEROMMA (A4A)	Colorado State U	05/2021-04/2024
8	Sullivan, Amy; Weber, Rodney	Near Real-Time Aerosol Composition Measurements during the Atmospheric Emissions and Reactions Observed from Megacities to Marine Areas (AEROMMA)	Colorado State U; Georgia Tech	05/2021-04/2024
9	Thornton, Joel; Ng, Nga Lee (Sally)	Molecular-level Source Apportionment of Ambient Particulate Matter to Resolve Impacts of Anthropogenic and Biogenic Emissions in a Coastal Mega-City Environment	U Washington; Georgia Tech	05/2021-04/2024
10	Wood, Ezra	Quantification of Ozone Formation Rates in Upper Manhattan	Drexel U	05/2021-04/2023
11	Volkamer, Rainer	Airborne DOAS remote sensing of oxygenated VOCs and NO2 during CUPiDS	CU Boulder	05/2021-04/2024