

NOAA Atmospheric Chemistry, Carbon Cycle and Climate (AC4) Program FY22 awards

#	Investigators	Project title	Institution(s)	Project period	Funding amount
1	Cohen, Ronald	Impacts of Precursor Emissions from Wildfires on O3 Chemistry over Urban Areas	UC Berkeley	09/2022-08/2024	\$301,980
2	de Gouw, Joost	Evolution of Emissions over the Course of Individual Wildfires as observed from Space	U of Colorado	09/2022-08/2024	\$414,926
3	Goldstein, Allen; Kreisberg, Nathan	Analyzing Emitted Organic Trace Gas and Aerosol Speciation at the Wildland-Urban Interface and their Atmospheric Chemical Transformations	UC Berkeley, Aerosol Dynamics Inc.	09/2022-08/2025	\$749,996
4	Jaffe, Daniel	Impact of smoke on ozone and oxidant chemistry in urban and rural areas in the U.S.	U of Washington	09/2022-08/2025	\$457,005
5	Jathar, Shantanu	Structural Fires at the Wildland Urban Interface: Emission Factors, Inventories, and Implications	Colorado State U	09/2022-08/2025	\$749,640
6	Kreidenweis, Sonia	Improved retrievals of fresh and aged smoke properties from GOES	Colorado State U	09/2022-08/2025	\$628,111
7	Laskin, Alexander; Nizkorodov, Sergey	Composition and Transformations of Organic Aerosol Emitted from Facility Simulated Wildland-Urban Interface Fires	Purdue U, UC Irvine	09/2022-08/2025	\$750,000
8	May, Andrew	Development and Improvement of Statistical Models of the Mass Absorption Cross-Section for Black Carbon Aerosols	Ohio State U	09/2022-08/2025	\$347,036
9	Millet, Dylan; Paulot, Fabien	Characterizing Fire Emissions and Aging Using New VOC Retrievals from the CrIS Sensors	U of Minnesota, NOAA GFDL	09/2022-08/2025	\$614,796
10	O'Brien, Rachel; Cappa, Chris; Canagaratna, Manjula	Deposited smoke in urban areas; surface grime and emissions of volatile products	U Michigan, UC Davis; Aerodyne Research	09/2023-08/2026	\$488,824
11	Tang, Wenfu	Global multi-scale modeling and satellite data assimilation to quantify fire emissions at the wildland-urban interface and their impacts	NCAR	09/2022-08/2025	\$739,229