

NOAA Atmospheric Chemistry, Carbon Cycle and Climate (AC4) FY19 competition awards

#	Investigators	Project title	Institution(s)	Project period	Project amount
1	Andrews, Arlyn; Jones, Dylan; Jacob, Daniel	Data assimilation to leverage diverse datasets for improved CO ₂ & CH ₄ flux estimation and future observing system design	NOAA/GMD; U Toronto; Harvard U.	09/2019-08/2022	\$599,616
2	Davis, Kenneth; Andrews, Arlyn	Diagnosis of North America CO ₂ and CH ₄ fluxes with the expanded in situ measurement network	Penn State U; NOAA/GMD	09/2019-08/2022	\$600,000
3	Heald, Colette	Exploring the trend in inorganic aerosol deposition	MIT	09/2019-08/2022	\$360,496
4	Hu, Lu; Mickley, Loretta	Long-term trends of tropospheric ozone constrained by global observation networks and GEOS-Chem	U Montana; Harvard U	09/2019-08/2022	\$544,078
5	Lehman, Scott; Gurney, Kevin	A 10-year analysis of North American anthropogenic and biospheric CO ₂ fluxes from network observations of Δ 14CO ₂ and CO ₂	U Colorado; NAU	09/2019-08/2022	\$433,253
6	Miller, John	vegetation drought dynamics through inverse modeling of globally distributed records of atmospheric carbon-13 and CO ₂	NOAA/GMD	09/2019-08/2022	\$595,769
7	Petropavlovskikh, Irina; Wild, Jeannette	Status of ozone recovery detected in NOAA ground-based and satellite ozone records	U Colorado/CIRES; UMD	09/2019-08/2022	\$553,193
8	Salawitch, Ross	Quantification of the Uptake of Anthropogenic Emissions of Atmospheric CO ₂	U Maryland CP	09/2019-08/2021	\$282,244
9	Wang, Yuxuan; Wang, Jun	A Holistic and Long-term Analysis of Atmospheric Composition Changes During Droughts in the Continental U.S.	U Houston; U Iowa	09/2019-08/2022	\$363,057
10	Wolfe, Glenn; Nicely, Julie	Mapping the Global Variability of Tropospheric Oxidizing Capacity	U Maryland BC; U Maryland CP	09/2019-08/2022	\$578,771