NOAA Atmospheric Chemistry, Carbon Cycle and Climate (AC4) FIREX related FY16 and FY17 awards

#	Investigators	Project title	Institution(s)	Project period	Project amount
1	Barsanti, Kelley	Investigating the Nighttime Chemistry of Biomass Burning Emissions	University of California, Riverside	07/2016-06/2020	$786,332
2	Cappa, Christopher; Kroll, Jesse	Influence of Atmospheric Aging on Fire-Derived Carbonaceous Particles: Laboratory Studies and Modeling in Support of FIREX	University of California, Davis; Massachusetts Institute of Technology	07/2016-06/2020	$790,998
3	Goldstein, Allen; Kreisberg, Nathan	Fires in the Western US: Analyzing Emitted Speciated Organic Trace Gases and Aerosols and their Atmospheric Chemical Transformations	University of California, Berkeley; Aerosol Dynamics, Inc.	07/2016-06/2020	$790,372
4	Hastings, Meredith; Dibb, Jack	Tracking Nitrogen Oxides Emissions and Nitrate Formation in Biomass Burning Plumes	Brown University; University of New Hampshire	07/2016-06/2019	$598,834
5	Henze, Daven; Carmichael, Gregory; Saide, Pablo, Streets, David	Improving Emissions, Predictions and Impact Assessments of Biomass Burning Smoke and Dynamic Air Quality using FIREX Observations, Ground Networks and Satellite Data	University of Colorado; University of Iowa; NCAR, Argonne National Laboratory	07/2016-06/2020	$703,678
6	Herndon, Scott; Wood, Ezra	Quantification of Gas and Aerosol Characteristics from North American Fires: Emissions, Evolution and Exposure	Aerodyne Research, Inc.; University of Massachusetts, Amherst	07/2016-06/2020	$799,402
7	Laskin, Alexander; Nizkorodov, Sergey	Studies of Atmospheric Brown Carbon Chemistry in Support of the FIREX Campaign	Pacific Northwest National Laboratory; University of California, Irvine	07/2016-06/2019	$599,999
8	May, Andrew; McMeeking, Gavin	Identifying, Quantifying, and Constraining Uncertainties Associated with Black Carbon Emissions during Open Biomass Burning	Ohio State University; Handix Scientific, LLC	07/2016-06/2019	$393,247
9	Turpin, Barbara	Characterizing Oxidized North American Fire Emissions and Their Aqueous/Multiphase Atmospheric Transformations through the FIREX Campaign	University of North Carolina at Chapel Hill	07/2016-06/2019	$592,448
10	Yokelson, Robert	Design, Decisions, and Critical Data for FIREX	University of Montana	07/2016-06/2020	$690,952
11	Alvarado, Matthew; Tong, Daniel	Investigating the Chemistry and Fate of Reactive Nitrogen (NOy) Species in Biomass Burning Smoke using FIREX Data	Atmospheric & Environmental Research; University of Maryland	07/2017-06/2020	$471,358
12	Bowman, Kevin; Pierce, Brad	CrIS/OMPS and TES Ozone Retrievals in Support of the FIREX Intensive Campaign	NASA/JPL; NOAA/NESDIS	07/2017-06/2020	$606,390
13	Farmer, Delphine	Near-field Characterization of Biomass Burning Plumes	Colorado State University	07/2017-06/2020	$454,904
14	Jaffe, Dan	Wildfire Impacts on O_3 in Rural and Urban Areas of the Western US	University of Washington	07/2017-06/2021	$616,024

15	Jathar, Shantanu	Modeling the Complex and Dynamic Physico-Chemical Evolution of Primary and Secondary Organic Aerosol from Wildfire Smoke	Colorado State University	07/2017-06/2020	$241,888
16	Pierce, Jeffrey; Alvarado, Matthew	Aerosol Size Distribution and Composition Evolution during FIREX Activities: Closure Analyses and Climate Impacts	Colorado State University; Atmospheric & Environmental Research	07/2017-06/2020	$424,970
17	Stutz, Jochen	Remote Sensing of Radical Precursors in Biomass Burning Plumes	University of California, Los Angeles	07/2017-06/2020	$598,221
18	Thornton, Joel	Chemical Characterization of Biomass Burning Smoke: Emissions and Multi-Phase Evolution of Oxidant and SOA Precursors	University of Washington	07/2017-06/2020	$401,199
19	Wiedinmyer, Christine; Barsanti, Kelley; Carlton, Ann Marie	Building and Testing the Framework to Integrate Detailed Chemical Measurements and Predictive Biomass Burning Models	NCAR; University of California, Riverside; University of California, Irvine	07/2017-06/2020	$452,989
20	Wolfe, Glenn	Emissions and Chemistry of Formaldehyde in Biomass Burning Plumes	University of Maryland, Baltimore County	07/2017-06/2021	$570,884