Atmospheric System Research (ASR) - List of Awards Funding Opportunity Number: DE-FOA-0002034			
Title	**PI**	**Institution**	**Location**
Characterizing Land-Atmosphere Interactions During the Afternoon-to-Evening Transition Using ARM SGP Observations	Turner, David	U.S. Department of Commerce, NOAA	Boulder, CO
Characterizing Land-Atmosphere Interactions During the Afternoon-to-Evening Transition Using ARM SGP Observations	Wagner, Timothy	University of Wisconsin- Madison	Madison, WI
Assessing the link between aerosol mixing state, structure and composition and their optical properties: Ascension Island as a testbed for the South-East Atlantic aerosol	Segal Rozenhaimer, Michal	Tel Aviv University	Tel Aviv, Israel
Evaluation of boundary layer cloud processes in an advanced parameterization for global models	Witte, Mikael	University of California, Los Angeles	Los Angeles, CA
Constraining the Chemistry of Particle Formation and Growth in the Southern Great Plains	Browne, Eleanor	University of Colorado	Boulder, CO
Characterizing the impact of water uptake on light absorption by aerosol particles	Cappa, Christopher	University of California, Davis	Davis, CA
Direct Radiative Effects of Aerosols at the ARM SGP and TWP Sites	Fu, Qiang	University of Washington	Seattle, WA
Advancing Molecular Level Understanding of Aerosol Processes in the Amazon and Integration with Modeling	Goldstein, Allen	University of California	Berkeley, CA
Entrainment and aerosol effects on marine boundary-layer clouds: An investigation using ACE-ENA data from HOLODEC, G1, Pico and ACTOS	Shaw, Raymond	Michigan Technological University	Houghton, MI
Interactions Between Aerosols, Meteorology, and Early Convective Cloud Lifecycle as Measured During CACTI	Zipser, Edward	University of Utah	Salt Lake City, UT
Characterizing the Variation and Covariation of Cloud Microphysical Properties and Implications for Simulation of Subgrid-scale Warm-Rain Processes in Earth System	Zhang, Zhibo	University of Maryland Baltimore County	Baltimore, MD
Properties and controlling processes of aerosol and cloud condensation nuclei in marine boundary layer over Eastern North Atlantic	Wang, Jian	Washington University	St. Louis, MO
From clouds to precipitation: multiscale dynamics- microphysics interactions in cumulus clouds	Grabowski, Wojciech	University Corporation for Atmospheric Research	Boulder, CO
Shallow cumulus entrainment: observational retrieval, physical interpretation, and climate impacts	Kirshbaum, Daniel	McGill University	Montreal, Canada
Organized convection and parameterized versus large- scale physics in global earth system models	Schumacher, Courtney	Texas A&M University	College Station, TX
Collaborative Proposal: Improving Understanding of the Internal Structure and Dynamics of Deep Convection Using ARM Observations and Large Eddy Simulations	Morrison, Hugh	University Corporation for Atmospheric Research	Boulder, CO
Collaborative Proposal: Improving Understanding of the Internal Structure and Dynamics of Deep Convection Using ARM Observations and Large Eddy Simulations	Peters, John	Naval Postgraduate School	Monterey, CA

Atmospheric System Research (ASR) - List of Awards Funding Opportunity Number: DE-FOA-0002034			
Title	**PI**	**Institution**	**Location**
Advancing Understanding of Deep Convective Anvil Clouds	Elsaesser, Gregory	Columbia University in the City of New York	New York, NY
Advancing Understanding of Deep Convective Anvil Clouds	Tao, Wei-Kuo	NASA - Goddard Space Flight Center	Greenbelt, MD
Turbulent processes that influence boundary-layer cloud structure	Larson, Vincent	University of Wisconsin- Milwaukee	Milwaukee, WI
Freezing Processes in Southern Ocean Mixed Phased Clouds	Gettelman, Andrew	University Corporation for Atmospheric Research	Boulder, CO
Are marine low cloud droplet concentrations buffered by entrained Aitken-mode aerosol	Bretherton, Christopher	University of Washington	Seattle, WA
Size-resolved particle and black carbon deposition over the cryosphere	Farmer, Delphine	Colorado State University	Fort Collins, CO
Using ARM Observations to Evaluate Process-Interactions in MCS Simulations Across Scales	Prein, Andreas	University Corporation for Atmospheric Research	Boulder, CO
Assessment of Cloud Development and Organization Processes within the Madden-Julian Oscillation using ARM Observations and Lagrangian Modeling	Sakaeda, Naoko	University of Oklahoma	Norman, OK
Using ARM Data to Retrieve Entrainment Rates in Stratocumlus Cloud Systems	Krueger, Steven	University of Utah	Salt Lake City, UT
Understanding Processes Controlling the Temporal and Spatial Variations of PBL Structures Over the ARM SGP Site	Wang, Zhien	University of Colorado	Boulder, CO