

THE NEW arm.gov

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FIELD CAMPAIGNS

USING OUR FACILITIES

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CARES
Carbonaceous Aerosol and Radiative Effects Study

SPARTICUS
Small Particles in Cirrus

RHUBC-II
Chile: Radiative Heating in Underexplored Bands Campaign 2

CAP-MBL
Azores: Clouds, Aerosol and Precipitation in the Marine Boundary Layer

RACORO
Routine AAF CLOUD Optical Radiative Observations

How Do I Propose a Campaign?

AMF Proposal Schedule and Availability

FIND A CAMPAIGN

campaign timeline
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featured campaigns
Quickly identify and navigate to featured campaigns

campaign search
By lead scientist
By name keyword
By abstract keyword

Sortable columns

JOURNAL ARTICLE LISTINGS

Journal Articles : 2010

Author	Article Title	Journal
Fierz-Schmidhauser	Measurement of relative humidity dependent light scattering of aerosols	Atmospheric Measurement Techniques
Jeong	Separating real and apparent effects of cloud, humidity, and dynamics on aerosol optical thickness near clouds	Journal of Geophysical Research - Atmospheres
Lee	Mechanisms of diurnal precipitation over the US Great Plains: a cloud resolving model perspective	Climate Dynamics
Li	Transport and evolution of a pollution plume from northern China: A satellite-based case study	Journal of Geophysical Research - Atmospheres
Li	First observation-based estimates of aerosol radiative forcing at the top, bottom and inside of the atmosphere in China	Journal of Geophysical Research - Atmospheres
Naud	Thermodynamic phase profiles of optically thin midlatitude clouds and their relation to temperature	Journal of Geophysical Research - Atmospheres
Wang	Convective signals from surface measurements at ARM Tropical Western Pacific site: Manus	Climate Dynamics
Wapler	Cloud-System-Resolving Model Simulations of Tropical Cloud Systems Observed during the Tropical Warm Pool-International Cloud Experiment	Monthly Weather Review
Xie	Observed large-scale structures and diabatic heating and drying profiles during TWP-ICE	Journal of Climate
Yuan	General Macro- and Micro-physical Properties of Deep Convective Clouds as Observed by MODIS	Journal of Climate
Yuan	Global variability of mesoscale convective system anvil structure from A-train satellite data	Journal of Climate

Publication Years

2010	11
2009	137
2008	118
2007	102
2006	134
2005	131
2004	97
2003	152
2002	171
2001	167
2000	174
1999	136
1998	172
1997	103
1996	84
1995	124

Summary by year

Summary by year

Click to show answer

FREQUENTLY ASKED QUESTIONS

Still have a question?

Have a question you would like added to the FAQ or just answered directly? Please let us know.

Email Address: _____

Question: _____

SEND

Ask a question

DYNAMIC, SELECTION-DRIVEN TABLES

Measurements

The ARM Climate Research Facility gathers a wide variety of measurements from many different sources. Each day, the Data Archive stores and distributes large quantities of data collected from these sources. Scientists then use these data to research atmospheric radiation balance and cloud feedback processes, which are critical elements of global climate change.

Measurement	Categories	Sub Categories
Advection tendency	Atmospheric State	upper air state
Aerosol absorption	Aerosols	optical and radiative properties
Aerosol concentration	Aerosols	microphysical and chemical properties
Aerosol extinction	Aerosols	optical and radiative properties
Aerosol optical depth	Aerosols	optical and radiative properties
Aerosol optical properties	Aerosols	optical and radiative properties
Aerosol particle size	Aerosols	microphysical and chemical properties
Aerosol scattering	Aerosols	optical and radiative properties
Atmospheric moisture	Atmospheric State	surface meteorology

Measurement Categories

Select below to highlight measurements in specified measurement categories.

- Aerosols
 - microphysical and chemical properties
 - optical and radiative properties
- Atmospheric State
 - other trace gases
 - surface meteorology
 - upper air state
- Cloud Properties
 - macrophysical
 - microphysical
 - Radiometric
 - longwave broadband
 - longwave narrowband
 - longwave spectral

Selections drive table listing

Multi-selection supported

Selections drive table listing

Multi-selection supported

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 - Procedure for Submitting Science and Research Products to the Data Archive
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