Collecting and Delivering the Data

As a general condition for use of the ARM Climate Research Facility, users are required to include their data in the ARM Data Archive. All data acquired must be of sufficient quality to be useful and must be documented such that users will be able to clearly understand the meaning and organization of the data. Final, quality-assured data sets are stored in the Data Archive and are freely accessible to the general scientific community.

Preliminary data may be shared among field campaign participants during and shortly following the campaign. To facilitate sharing of preliminary data, the ARM Data Archive establishes restricted access capability, limited to participants and data managers.

Upon conclusion of the field campaign, the lead scientist is asked to provide a final **"findings" report** and final **data products**. The final data are formatted and delivered to the ARM Data Archive through the External Data Center (XDC). Quality-assured data should be released to the XDC within 4-6 months from the completion of the field campaign.

To aid in the delivery, the XDC hosts an ftp site for the data to be uploaded. Data should be delivered in either zip or tar archive format and include a README file describing the instrument, content, and format of the data files. The README file should clearly identify the key measurements, derived quantities, and units used. For information about submitting your data, see ***http://www.arm.gov/campaigns/expectations.***

Giving Credit

Data delivered to the ARM Data Archive via the XDC are considered publishable. The source of any data should be clearly recognized as either a co-author or through an appropriate acknowledgement. Users are cautioned to confirm the data version with the originator before publication. Points of contact can be found in the README files and on the field campaign website. The XDC and ARM Data Archive will document data versions and ensure that the latest data versions are made available to data recipients. Data usage and users are also tracked and can be provided to data submitters upon request. ARM should be acknowledged in publications as the programmatic origin of the field campaign. Publications resulting from collaborative efforts in which ARM data or facilities are used should appropriately acknowledge the cooperation or collaboration.

Accessing Data

Field campaign data complement the routine data collected continuously from ARM sites. Users can order data after registering for a free ARM Data Archive account. Field campaign data can be accessed by browsing the summary table at ***http://www.arm.gov/data/campaigns***, or use the search form or interactive timeline on field campaign web pages. Data for specific instruments and measurements can also be ordered through the ARM website, and ARM Data Archive users may browse the Archive at ***http://www.archive.arm.gov*** for all ARM data.

Contact Information

Technical Coordination Office
www.arm.gov
www@arm.gov
509-375-2111

Data Archive
www.archive.arm.gov
info@arm.gov
1-888-ARM-DATA

U.S. DEPARTMENT OF ENERGY | Office of Science

ARM
CLIMATE RESEARCH FACILITY

Proposing a Field Campaign

A U.S. Department of Energy Scientific User Facility

DOE/SC-ARM-09-024

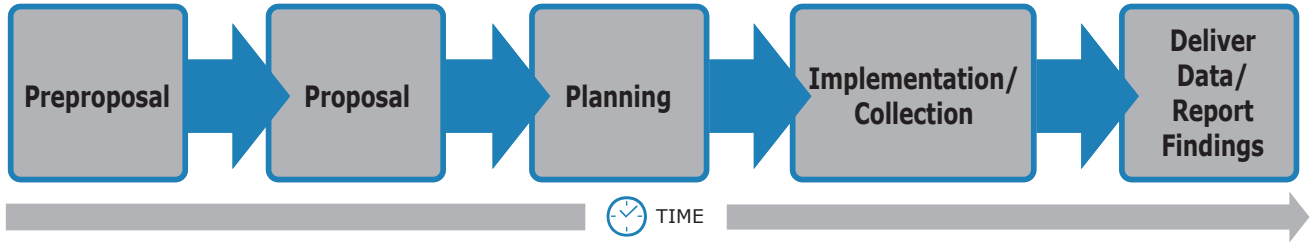
Field Campaigns at the ARM Climate Research Facility

The ARM Climate Research Facility (ARM) regularly supports field campaigns to augment routine data acquisitions and to test and validate new instruments. Field campaigns are held using the permanent facilities—Southern Great Plains, North Slope of Alaska, and Tropical Western Pacific—and the ARM Mobile Facility (AMF) and ARM Aerial Facility (AAF). Collectively, the permanent, mobile, and aerial facilities are referred to as the ARM Facility.

While ARM does not provide direct funding for scientific research, small amounts of funding may be provided to assist with logistics, the development and archiving of datastreams, and other infrastructure activities associated with using the ARM Facility. Users are not charged any fees for taking advantage of the infrastructure of ARM field sites, instruments, and data systems. In lieu of costs, users are asked to give referential credit to ARM in publications, as appropriate, and to share the field campaign data collected.

ARM Mission Statement

As a national scientific user facility, the ARM Climate Research Facility is a unique asset for the study of global change research among the national and international research community. Research at the ARM Facility includes, but is not limited to, the study of alterations in climate, land productivity, oceans or other water resources, atmospheric chemistry, and ecological systems that may alter the capacity of the Earth to sustain life.



Submitting Proposals

All members of the scientific community are encouraged to submit proposals for field campaigns of any size, scope, and complexity. Proposed research should be relevant to ARM's mission.

The first step in proposing a field campaign is to submit a preproposal, a short summary of the proposed campaign. The preproposal should be submitted as soon as an idea is developed enough to undergo a preliminary feasibility and science review. Users can submit a preproposal through the ARM website at ***http://www.arm.gov/campaigns/propose***.

For large and complex field campaigns (such as those involving an AMF, the AAF, or multiple funding organizations), requests for preproposals are published in journals in the fall of each year. Preproposals are due February 1 for these campaigns, with invited full proposals due May 1. Less complex field campaigns are entertained at any time.

Selecting Field Campaigns

After submission, preproposals are reviewed by the Infrastructure Management Board and/or the ARM Science Board. Some preproposals are accepted without further requirements. Researchers proposing more complex field campaigns may be invited to submit a full proposal.

Proposals are reviewed based on scientific merit, relevance to ARM's mission, and the feasibility and costs associated with using the ARM Facility. Investigators should demonstrate that they have research funding or have submitted proposals to their prospective funding agencies, because ARM only supports costs associated with ARM Facility use. If extensive coordination is anticipated, a preproposal should be received at least 1 year in advance of the anticipated start date.

Users are encouraged to share their field campaign ideas with peers and colleagues prior to submitting them. Collaborative efforts can strengthen field campaign proposals.

Planning and Executing

After a field campaign has been approved, the lead scientist is responsible for several deliverables before and after the campaign. For more information about expectations for campaign implementation, see ***http://www.arm.gov/campaigns/expectations***. Examples of accepted science plans can be provided upon request.