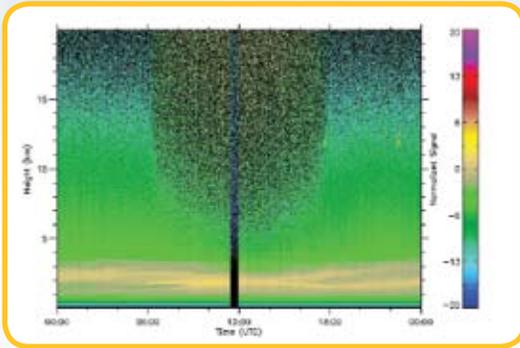


Delivering the Data

Upon the conclusion of the field campaign, the Lead Scientist is asked to provide a final **“findings” report** and final **data products**. The final data is formatted and delivered to the ARM 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. A README file describing the instrument, content, and format of the data files should be included. The README file should clearly identify the key measurements, derived quantities, and units used. For step-by-step instructions on submitting your data, go to www.xdc.arm.gov/docs/iopsteps.html.



Giving Credit

When data are delivered to the ARM Archive via the XDC, they are considered publishable. The source of any data should be clearly recognized either as a co-author or through an appropriate acknowledgment. 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 Archive will document data versions and ensure 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.

The ACRF 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.

Making Data Available

Field campaign data are a significant contribution and complement to ARM routine data—data that are collected continuously from the ACRF sites. Field campaign data from the ARM Archive may be ordered through the instruments and measurements web pages via the shopping cart on the ARM website. Data from field campaigns can also be located through the field campaign web pages by selecting “Past Campaigns” at www.arm.gov/acrf/ffc.htm and browsing the summary table. The data status column in the summary table is color coded to aid in scanning for data availability and provides a direct link to the Archive for downloading, after logging in. New users are given the opportunity to create a free account before proceeding. A guided search form and interactive timeline are available for the field campaign web pages as well. ARM Archive users may also browse the Archive at iop.archive.arm.gov for field campaign data.



Proposing a Field Campaign

Contacts

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ACRF Technical Director

Jim Mather, jim.mather@nl.gov

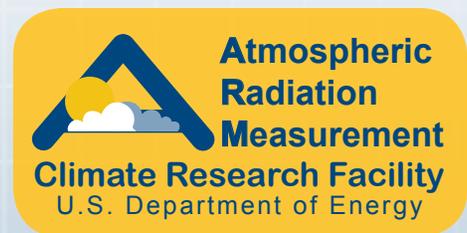
Operations Manager

Doug Sisterson, dlsisterson@nl.gov

Archive Manager

Raymond McCord, mccordra@ornl.gov

Website: www.arm.gov/acrf/ffc.htm



Field Campaigns at the ARM Climate Research Facility

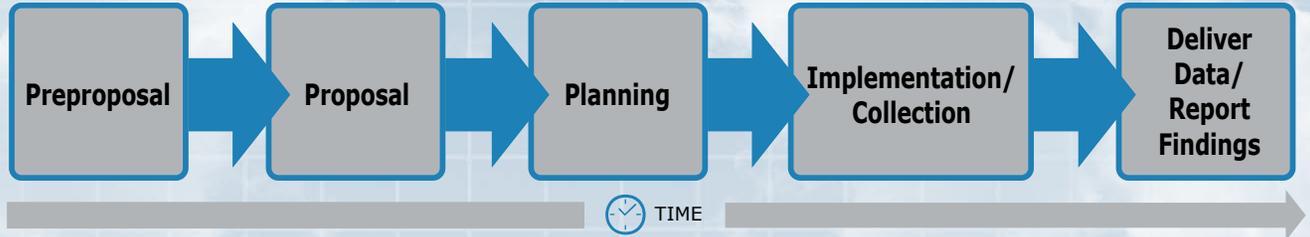
The ARM Climate Research Facility (ACRF) regularly supports field campaigns to augment routine data acquisitions and to test and validate new instruments. Any field campaign that is proposed, planned, and implemented at one or more research sites is referred to as an intensive operational period (IOP). IOPs 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 Vehicles Program (AVP).



While the ACRF 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 Facility. User fees are not charged for taking advantage of the infrastructure of the ACRF field sites, instruments, and data systems. In lieu of costs, users are asked to give referential credit to the ACRF in publications, as appropriate, and to share the field campaign data collected.

ACRF Mission Statement

As a national user facility, the ARM Climate Research Facility (ACRF) provides this unique asset for the study of global change research to a broader research community. Research at the 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

Proposals for conducting field campaigns and scientific research at the ACRF are welcome from all members of the scientific community. Users wishing to initiate a request should submit a Preproposal Form at the ACRF field campaign website at www.arm.gov/acrf/ffc.stm. Proposed research should be relevant to the ACRF mission.

For field campaigns that require significant resources, a request for preproposals will be announced in the spring of each year. Preproposals are due by the requested spring date, with invited full proposals due in late spring or early summer. The ACRF Science Board reviews the full proposals in the fall. Less complex field campaigns are entertained at any time.

Selecting Field Campaigns

The ACRF Science Board reviews proposals based on scientific merit and the feasibility and costs associated with using the Facility for major field campaigns. Investigators should demonstrate that they have research funding, or have submitted proposals to their prospective funding agencies, because the ACRF only supports costs associated with Facility use. Applications are ranked based on the scientific objective of the research, the requested resources, and the impact on ongoing site operations. If extensive support coordination is anticipated, a preproposal should be received at least 1 year in advance of the anticipated start date.

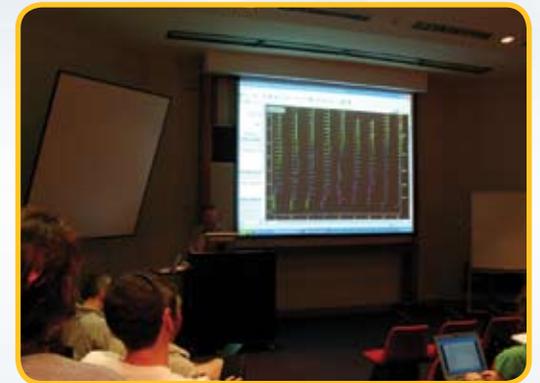
ARM Science Team participants are encouraged to share their field campaign ideas with the ARM Working Groups, prior to submitting them. Working Group meetings are held twice a year and are an ideal forum for building collaborative efforts.

Planning and Executing

Once a field campaign has been approved, several important planning activities need to take place: (1) finalization of the **science plan**, if one is requested; (2) completion of deliverables requested by the ACRF Technical Director to the

IOP Lead Scientist; (3) preparation of an **operations plan**; and (4) acceptance of the **data policy agreement**.

The data policy for the ACRF is derived from the policies of the U.S. Global Change Research Program, which encourages “free and open” access to data and results from government-sponsored research. (See www.arm.gov/data/policy.stm for the full policy.) Examples of accepted science and operations plans can be provided upon request.



Collecting the Data

As a general condition for use of the ACRF, users are required to include their data in the ARM 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 datasets are stored in the ARM Archive.

Once submitted in final form, datasets are freely accessible to the general scientific community. Preliminary data may be shared among IOP participants during and shortly following the campaign. To facilitate sharing, a restricted access capability is established by the ARM Archive. Access is limited to participants and data managers.