Field Campaigns: A SGP Specialty

INTRODUCTION

Since its inception in 1992, the ARM Climate Research Facility Southern Great Plains (SGP) Site has provided valuable data via an array of complex, continuously operating surface-based instruments, which are carefully attended to by Site Operations staff on a day-by-day basis. This is especially important during field campaigns. But, this is only one aspect of the SGP Operations mission; the other is being directly involved in the support of field campaigns.

Since 1992, the SGP has hosted over 200 campaigns. Once SGP is notified of an approved campaign, SGP Operations works with the Principal Investigator (PI) to gather information to prepare for the upcoming campaign. Every department at the SGP is involved: safety, shipping and receiving, computer systems, facilities engineering, instrument maintenance, and administration support. A key tool used to gather all the information necessary from the PI is the Instrument Support Request (ISR). PI’s are asked to submit this form, which provides a checklist of all aspects of logistical and safety requirements for each guest instrument and computers to be brought on site. It also identifies the required SGP support effort as well as expendables and other contracting needs.

The ISR promotes a continuous dialog with the PI and field campaign participants in the early stages of planning that sets expectations so that investigators will find everything they need in place on the day they arrive. This front-end activity is critical to the success of all field campaigns. Presented are the 2012 field campaigns being conducted at the SGP, which are a good representation of the diversity of atmospheric research conducted at the SGP Site.

LIST OF 2012 CAMPAIGNS

- Atmospheric Line of Site Experiment
- Role of Surface Energy Fluxes for Wind Energy
- Lower Atmospheric Boundary Facility Experiment
- ARM Radiocenides for NPOESS
- Deep Convective Clouds Chemistry
- Cabonyl Sulfide for Tracing Carbon Fluxes
- AOS Validation of Instrumentation Study
- Full-column Greenhouse Gas Sampling
- Precision Gas Sampling Validation
- Orbiting Carbon Observatory

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- Cabonyl Sulfide for Tracing Carbon Fluxes
- Deep Convective Clouds Chemistry
- ARM Radiosondes for NPOESS
- Atmospheric Line of Site Experiment

List of 2012 campaigns which are a good representation of the diversity of atmospheric research

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The Instrument Support Request has been designed to gather the information needed to prepare for the deployment of an instrument at an ARM Site to ensure that all instrument requirements can be properly accommodated by Site Operations. Please complete one Instrument Support Request per instrument, answering all questions as completely as possible. If you feel a question is not applicable to your deployment, please write “NA” – do not leave any questions blank. Site Operations personnel will review this information and will contact you to discuss the requested support.

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