Instruments

More than 50 standard ARM instruments are located at the SGP CF. Numerous long-term and short-term guest instruments are on site at various times as part of Field Campaigns (IOPs). Campaigns are beginning or ending all the time so guest instruments on site are in a constant state of flux.

Central Facility
Main Office
Electronics Repair Lab
Radiometer Cal Facility
Aerosol System (AOS07)
Guest Aerosol Trailer
60M Tower
Precision Gas System
Radar Row
Guest Instrument Facility
Optical Trailer
Optical Cluster
Central Cluster
50 Pad (Testing Area)
Shipping & Receiving (IDP4)

Extended Facilities

• MET
• EBRR
• ECOR
• SEBS
• STAMP
• IRT
• MFRSR
• SIRS

Intermediate Facilities

• RWP
• LDIS
• TBRG
• MET
IF8, IF9, IF10

Profiling Modules

• AERI
• Doppler Lidar
• MWR3C
EF32, EF37, EF39, EF41

EF9, 11, 12, 13, 15, 31 - 41

Current Field Campaigns:
-Orbiting CO Observatory-Fourier Transform Spectrometer Validation-Pi: Gunson
-ARM Radiosondes for SNPP/JPSS Validation-Pi: Borg
-Full-Column Greenhouse Sampling-Pi: Sweeney
-Measuring Clouds at SGP with Stereo Photogrammetry-Pi: Romps
-CLOUDMAP (UAS)-Pi: Jacobs
-Cross-Scale Land Atmosphere Experiment-Pi: Gentine
-Radiosonde Inter-comparison and Validation-Pi: Borg
-Short Convection Campaign at SGP Central Facility-Pi: Shapiro
-GNSS Ground Station-Pi: Stuefer
-Low Cost Radio Meteorological Sensors-Pi: Biraud
-MPD Network Demonstration-Pi: Weckwerth
-PhenoCam Deployment-Pi: Biraud

Upcoming Field Campaigns (2019):
-NWS Next Generation Sonde Evaluation-Pi: Dover
-Small Particle Growth and Aging at SGP-Pi: Collins
-POPsNet-Pi: McComiskey
-Aerosol Ice Formation Closure Pilot Study-Pi: Knopf
-Vertical Resolved NPF Study-Pi: Kuang
-Exercising Ice-Nucleating Particle Formation-Pi: Hiranuma
-BTEM Low Altitude Test-Pi: Grimm

TBS/UAV Campaigns

SGP Radars

• Dual-Wavelength (Ka/W) Scanning ARM Cloud Radars (CF)
• Vertically Pointing Ka-Band Radar (CF)
• X-Band Scanning ARM Precipitation Radar (I4, I5, I6)
• C-Band Scanning ARM Precipitation Radar (I7)