Accomplishments and Status of SGP During 2008

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INSTRUMENTS

• MFRSR UPGRADE COMPLETED AT SGP
• New filters and loggers
• Reworked ingest and collections
• Heater board re-engineered
• IRT NETWORK INSTALLATION COMPLETED

FACILITIES

• Enhanced Dynamic Rain Gauge calibrations
• MFRSR Calibration capability fully functional

COMPUTER OPERATIONS

VIRTUAL MACHINE (VM) IMPLEMENTATION

CONCEPT: One host computer system runs one or more guest machines (VMs). The host and guest operating systems do not have to be the same (Solaris, Linux, Windows, ...). Each VM functions as a completely independent computer system minimizing the need for physical computers. Systems used for hosting instrument VMs will use server class hardware (i.e. very reliable).

STATUS: Design, testing and implementation being done at SGP.

OPERATIONAL SYSTEMS

• SGP Collector
• Instrument backup systems at SGP, NSA and TWP
• Instrument system at SGP running a VCEIL, MWR and IRT

GENERAL STATISTICS

• Instrument Availability - Averaged over 95% during 2008.
• Electronic Repair Lab - $20,000 in savings
• Calibrations – Over 140 instruments calibrated
• Guest Instruments Supported – 40
• Site visitors – Over 100 visits by scientists and guests at the Central Facility.
• Field Campaigns – 18 Campaigns supported last year.

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