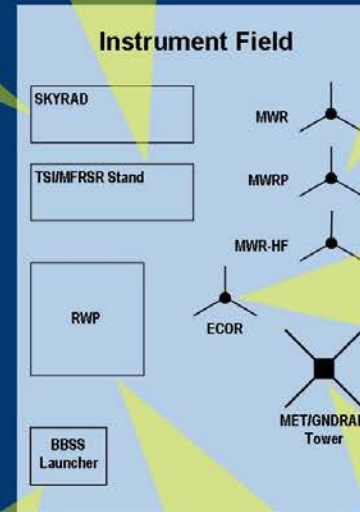
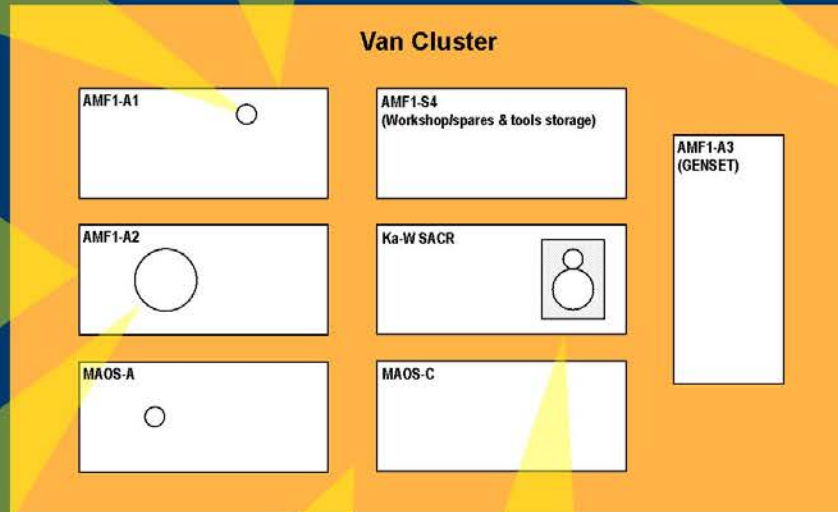


AMF1 Instruments

AMF1 – 7 x 20' sea containers

- Precision Spectral Pyranometer (PSP) x 2
- Precision Infrared Radiometer (PIR) x 2
- Shaded Black & White Pyranometer (B/W)
- Shaded Precision Infrared Pyrgeometer (PIR)
- Normal Incidence Pyrheliometer (NIP)
- Infrared Thermometer (IRT) x 2
- Multi-Filter Rotating Shadowband Radiometer (MFRSR)
- Narrow Field of View Zenith Radiometer (NFOV)
- Optical Rain Gauge (ORG)
- Anemometers (WND)
- Temperature/Relative Humidity Sensor (T/RH)
- Barometer (BAR)
- Present Weather Detector (PWD)
- Eddy Correlation Flux Measurement System (ECOR)
- Shortwave Array Spectrometer (SAS-He, SAS-Ze)
- Microwave Radiometer (MWR)
- Microwave Radiometer Profiler (MWRP)
- Microwave Radiometer 90/150 (MWR-HF)
- Doppler Lidar (DL)
- Ceilometer (CEIL)
- Balloon Borne Sounding System (BBSS)
- W-band ARM Cloud Radar - 95GHz (WACR)
- Ka-W Scanning ARM Cloud Radar (SACR)
- Atmospheric Emitted Radiance Interferometer (AERI)
- Total Sky Imager (TSI)
- Aerosol Observation System (AOS)
 - CCNC
 - PSAP
 - Nephelometers X 2
- Radar Wind Profiler – 1290MHz (RWP)
- Cimel Sunphotometer (CSPHOT)

ARM Mobile Facility One - Typical Deployment



MAOS Instruments

Mobile Aerosol Observing System (MAOS) – 2 x 20' sea containers (MAOS-A & MAOS-C)

- ❑ SOnic Detection And Ranging (SODAR) System (1000 to 4000 Hz)
- ❑ Ultra-High Sensitivity Aerosol Spectrometer (enhanced)
- ❑ Dual Column Cloud Condensation Nuclei Counter (CCN)
- ❑ Single Particle Soot Photometer (SP2)
- ❑ Scanning Mobility Particle Sizer (SMPS)
- ❑ Photo-Acoustic Soot Spectrometer (PASS), 3 Wavelength
- ❑ Humidigraph (3 Relative Humidities with 3 single wavelength nephelometers)
- ❑ Humidigraph (Scanning Relative Humidity with 3 single wavelength nephelometers)
- ❑ Trace Gas Instrument System (Research-Grade)
- ❑ Particle Into Liquid Sampler-Ion Chromatography-Water Soluble Organic Carbon (PILS-IC-WSOC)
- ❑ Particle Soot Absorption Photometer (PSAP), 3 Wavelength
- ❑ Nephelometer, 3 Wavelength
- ❑ Condensation Particle Counter (CPC), 10 nm to >3000 nm particle size range
- ❑ Condensation Particle Counter (CPC), 2.5 nm to >3000 nm particle size range
- ❑ Hygroscopic Tandem Differential Mobility Analyzer (HTDMA)
- ❑ Proton Transfer Mass Spectrometer (PTRMS)
- ❑ 7-Wavelength Aethelometer
- ❑ Weather Transmitter (WXT-520)
- ❑ Aerosol Chemistry Speciation Monitor (ACSM)