2010 Radar Group Meeting
ARM Radar Status Report
Kevin Widener & Nitin Bharadwaj
ASR Working Group Meeting
Boulder, CO
October 15, 2010
X-band Scanning ARM Precipitation Radar (X-SAPR)

- Acceptance tests scheduled for next week at SGP
- Barrow installation postponed to May 2011 due to infrastructure delays
- Frequency authorization has been “sent back” for more information
SGP Radar Locations
Recovery Act Radars Status

- C-band Scanning ARM Precipitation Radar (C-SAPR)
  - Infrastructure contract signed last week at SGP
  - Mid-November estimate for installation at SGP
  - Tower on its way to Manus, PNG
  - Manus installation scheduled for Jan/Feb 2011
  - Frequency authorization sent back for more information for U.S.
  - Manus frequency authorization approved
X/Ka/W-band Scanning ARM Cloud Radars (SACR)

- Installation schedule
  - SGP – Ka/W-SACR in November 2010
  - AMF2 – X/Ka-SACR (with MMCR) in mid-December 2010
  - Barrow – Ka/W-SACR in January 2011
  - AMF1 – Ka/W-SACR ready for shipment in January 2011
  - Manus – X/Ka-SACR in early March 2011
  - Darwin – X/Ka-SACR in late March 2001

- Antenna issues causing delays, temporary Ka antennas used for SGP and AMF2
Recovery Act Radars Status

- MMCR Upgrade
  - Installation schedule
    - SGP in mid-November 2010
    - Barrow in December 2010
    - AMF2 in December 2010
    - Darwin in February 2011
    - Manus in February 2011
WACR Status

- Hard disk failure after UPS failure in September
- Power detector has been bad for quite a while – replacement on site
- Otherwise functioning fine
SWACR Status

- Installed at Thunderhead site, Steamboat Springs for StormVEx
- Disk stability issues solved
- Calibration yesterday successful
Importance of being able to set up a corner reflector cannot be overemphasized!

Reflectivity accuracy without $\sim \pm 2-3$ dBZ
Agenda

- Scanning strategies for ARM radars – Nitin Bharadwaj
- Precipitation radar products – Scott Collis
- Cloud radar products – Karen Johnson
- Discussion