EVLA Monitor and Control

Monitor & Control Transition
Antennas

• Antennas – Front Ends
  ➢ Not all Front Ends Will Be EVLA
  ◆ EVLA Interface to F14’s Required
Antennas

- Antennas – Wye Monitor System
  - Interface Re-Designed for EVLA
  - MIB to MIB Communications
  - Consolidate Functions to Devices
Control Building

- Control Building – Antenna Interface
  - New Modules Connect to EVLA M&C
    - Includes Temporary Modules
  - SLC Operates VLA Antennas
    - Operates EVLA at VLA Baseband
  - SLC Operated By Modcomps or EVLA Machine
Control Building

- Control Building – Master Rack
  - SLC Controls VLA Master Rack
  - EVLA Master Rack Connected to EVLA M&C
  - Weather Station
    - Interfaces Re-Designed for EVLA
    - Modernized Weather Instrumentation
    - Fiber Run to Weather Station
Control Building

• Control Building – Wye Monitor System
  ➢ HVACs, UPS’s, and Generators
    ◆ Interfaces Re-Designed for EVLA
    ◆ Fiber Run to Generator Building
  ➢ Modcomps Software Watchdogs
    ◆ EVLA Requirements?
Control Building

- Control Building – Other
  - Atmospheric Phase Interferometer (API)
  - VLBI/VLBA Racks
  - HTRP or Pulsar Equipment Racks
  - Pie Town Link
  - IAT Clock