EVL A Data Processing PDR

Charge to Panel

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The purpose of the PDR of an EVLA Subsystem is principally to review 3 questions:

1. Are the top level performance requirements for the subsystem complete and adequate?

2. Have the correct design solutions been selected for study and development during the EVLA Design Phase? Are there important alternate solutions that are not being studied.

3. Has an adequate procurement plan been identified for the subsystem?
EVLA Schedule

• Start installation of fiber optics cables on Y  Q4 2002
• Prototype EVLA system lab integration and test  Q1 2003
• Install prototype EVLA system on EVLA Test Antenna  Q2 2003
• Start EVLA electronics production  Q4 2003
• Start retrofitting 7 antennas/year with new system  Q2 2004
• Start observing in “transition” mode  Q2 2004
• Test of prototype correlator on 3 or 4 antennas  Q4 2005
• Start outfitting new correlator room  Q2 2006
• Start tests of first correlator subset at VLA  Q4 2006
• First “shared-risk” science with new correlator subset  Q2 2007
• Last antenna retrofitted to EVLA design  Q1 2008
• New correlator declared “operational”  Q1 2009
• Last EVLA receiver installed  Q1 2010