NRAO Computing Re-organization

Jim Ulvestad (for K.Y. Lo)
Philosophy

• NRAO computing needs to be more directly connected to the NRAO projects
  – Increase responsiveness to project requirements
  – Focus on project deliverables, without losing sight of a shared vision of data management
  – Put responsibility directly on project managers
  – Seek commonality among projects and telescopes wherever possible
  – Share resources/expertise within NRAO
AIPS++ Structure

- Disbanded international consortium
- AIPS++ “Project” is no more, but AIPS++ code base remains
  - The primary purpose of AIPS++ within NRAO now is to satisfy project requirements, not to be a universal software system
  - AIPS++ group renamed the Science Software Group to emphasize this change in focus
Observatory Computing

- NRAO Data Management split into two parts
  - Computing and Information Services (G. Hunt)
  - Software development personnel distributed among projects and telescopes (Green Bank, EVLA, ALMA, VLA/VLBA Ops)
    - This includes AIPS++ and e2e personnel
- Observatory Computing Council advises NRAO Director
Interferometry Software Division

• Co-led by ALMA (B. Glendenning) and VLA/VLBA Operations (J. Ulvestad)
• Responsible for EVLA, ALMA, VLA/VLBA
• Incorporates AIPS++ (SSG) and e2e personnel
  – Integrated Product Teams/groups include individuals under ALMA and VLA/VLBA line management
  – Project scientists within IPTs (e.g., Myers in SSG)
  – EVLA and ALMA Software Project Scientists (Butler & Shepherd) ensure that project requirements are met
  – Chief Architect for system- and NRAO-wide issues
Interferometry
Software Division

INTERFEROMETRY SOFTWARE
Jim Ulvestad, Brian Glendenning

CHIEF ARCHITECT
Doug Tody

AIPS GROUP
Eric Greisen

SCIENCE SOFTWARE GROUP
Joe McMullin

PIPELINE IPT
Lindsey Davis

ARCHIVE IPT
John Benson

Ulvestad/Lo
EVLA Advisory Committee Meeting
September 8-9, 2003
General Computing Issues

• Can we bring enough resources to bear to accomplish all desired tasks?
• What is the proper balance between immediate project/telescope requirements and shared long-term goals?
• What is the achievable long-term vision for data management at NRAO?