

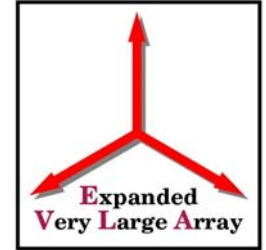
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# NRAO Computing Re-organization

Jim Ulvestad (for K.Y. Lo)



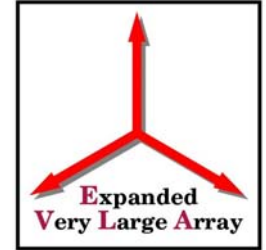
# Philosophy



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- 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



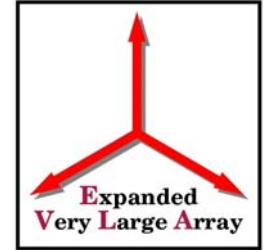
# AIPS++ Structure



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- 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



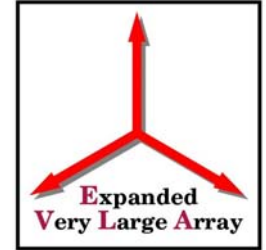
# Observatory Computing



- 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



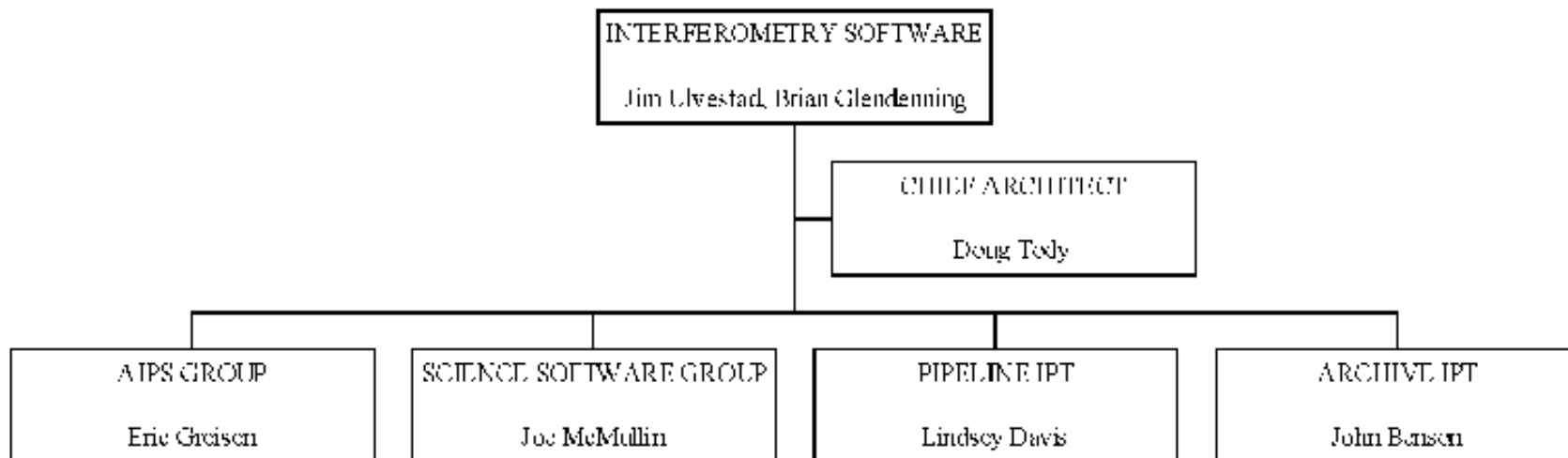
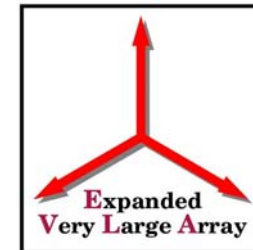
# Interferometry Software Division



- 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

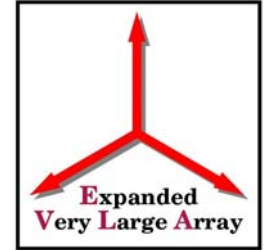


# Interferometry Software Division





# 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?