Software Development
Introduction

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18-month Chronology

- Spring 2003: International AIPS++ Project dissolved
- 6/2003: Interferometry S/W Division formed, absorbing AIPS++. Project-oriented focus begins
- 8/2003: EVLA Computing formed, including e2e part of Data Management
- 11/2003: EVLA S/W Project Scientist named
- 12/2003-6/2004: Overall high-level S/W design
- FY04: EVLA begins funding 1/3 of AIPS++
- Summer 2004: Overall and S/W transition plans begin
- Summer 2004: AIPS++ passes ALMA CDR2
- 10/2004: Begin developing EVLA deliverables in AIPS++
Organization

• Interferometry S/W Division includes development common to several NRAO telescopes
  – Response to EVLA needs improved
• e2e oversight committee addresses commonality among various projects
• EVLA e2e contains 4 FTEs, most responsible for observatory-wide deliverables
• NRAO plans search for observatory-wide software development coordinator
Key Issues

• EVLA is taking on more responsibility and costs of software development
• VLA must be kept operational during EVLA development
• EVLA presents novel post-processing problems, and we need a better model of how astronomers will reduce EVLA data
• Desire for extensive e2e capabilities not matched by available funding
  – Maximize borrowing/re-use of ALMA developments