Improving GBT Usability

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Observing Interfaces

• Current tools
  – astrid/config tool
  – Quick look: astrid display (GFM) and gbtidl

• Potential Improvements
  – astrid/config tool replacement needed?
    • Script building tool?
  – New quick look tools needed?
Data Processing

• Current tools/packages
  - gbtidl
  - Pipeline for KFPA observations
  - 3rd party imaging packages
  - 3rd party packages for pulsar data

• Potential Improvements
  - Pipeline for some common observing modes
  - Update/replacement needed for gbtidl?
  - Continuum data reduction package
  - Observatory supported pulsar data reduction?
  - Data reduction packages for new front ends?
Data Archive

• Current NRAO Archive Tool
  - Interface not designed for single dish data
  - Not all data available
• Potential GBO specific Archive
  - Search tool designed for single dish data
  - Access to more data
    • All spectral line science data (2003 to present)
    • All VEGAS pulsar mode data
    • Repatriate community pulsar data
  - Include project data products, images, etc.
Requested Improvements

• All requests must be weighed against required project work
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