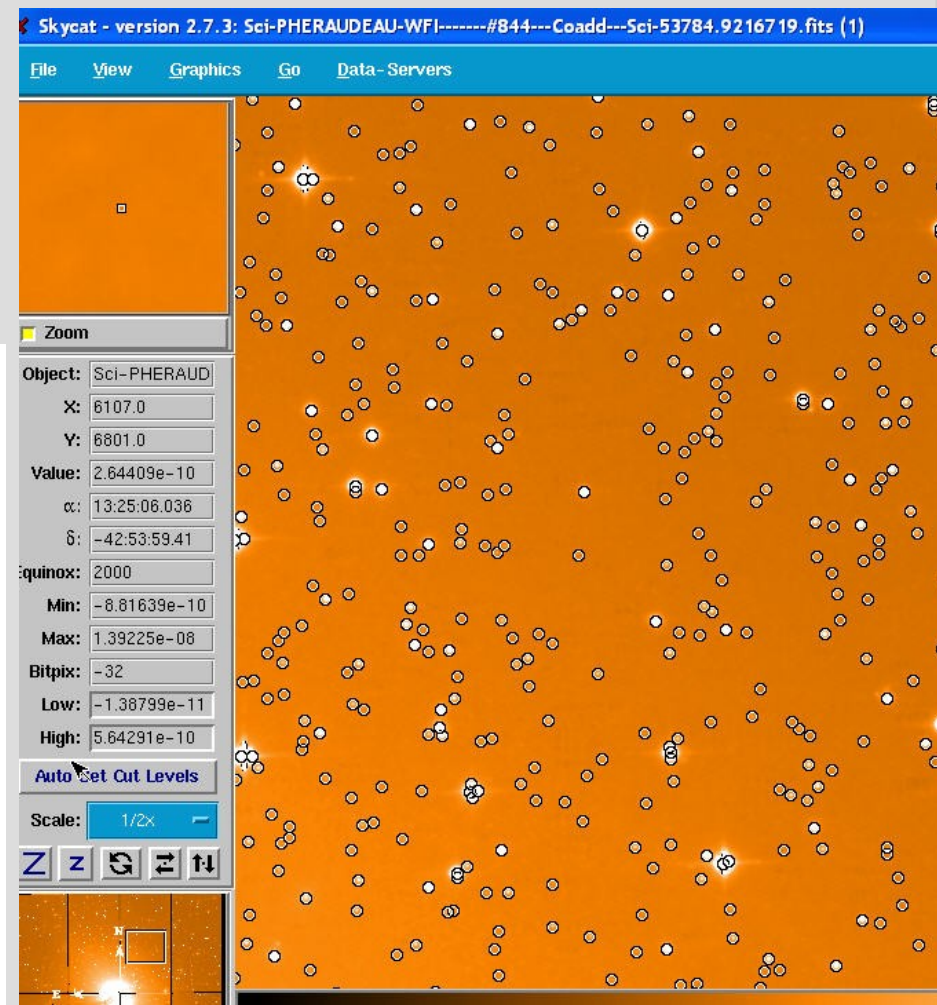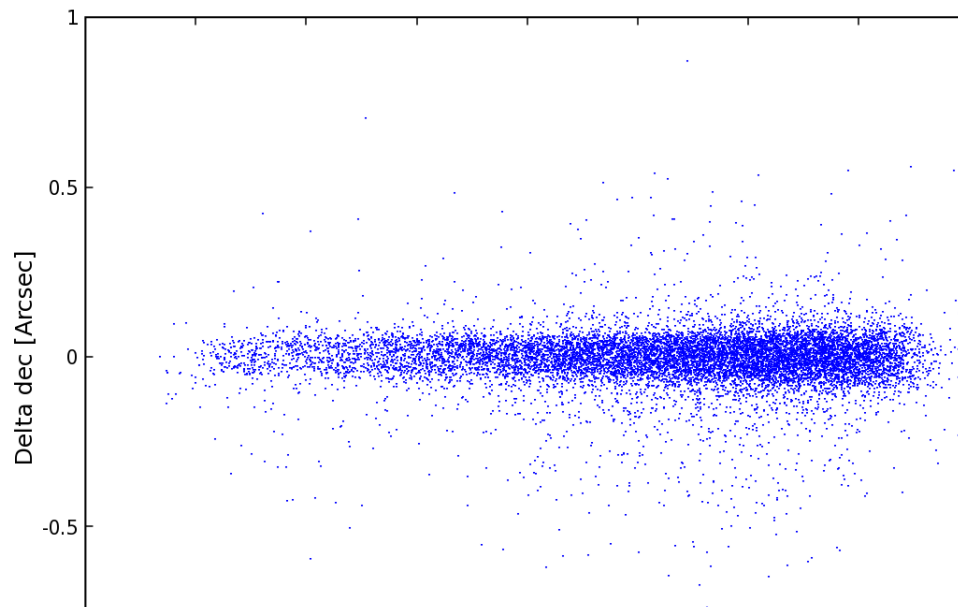# Astro-WISE & PLASTIC

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Introduction
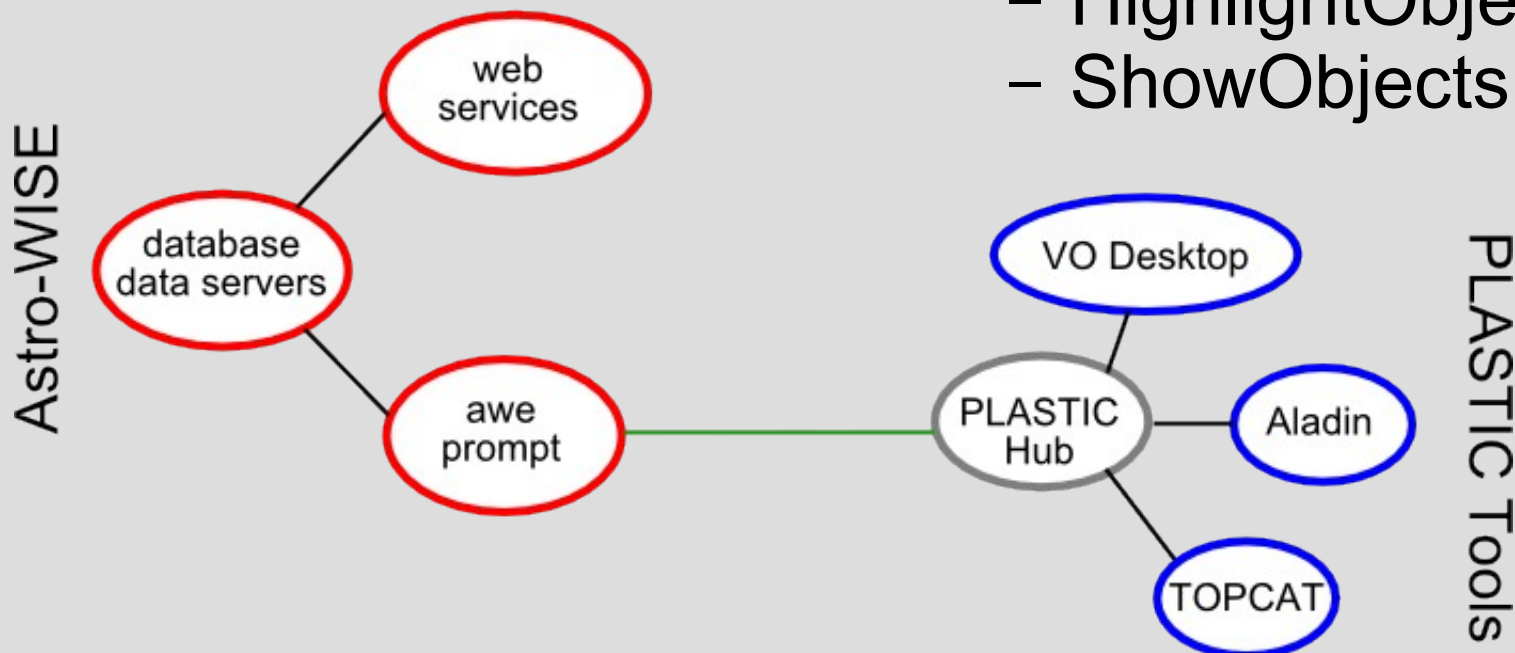
- Visualization in Astro-WISE
- Skycat, matplotlib
- Not interactive!
- → PLASTIC

PLASTIC

- PLatform for AStronomical Tool InterConnection
  - protocol, not program

- Messages
  - LoadTable
  - LoadImage
  - HighlightObject
  - ShowObjects

Demonstration

1) Start the PLASTIC HUB & Applications
2) Start awe
3) Connect to PLASTIC
4) Fetch SourceList
5) Broadcast SourceList
6) Select sources in Aladin/TOPCAT
7) Run GalFit on selected sources

Extra & Future

- Astrogrid services?
  - Registry query
  - ADQL queries
  - Myspace access

- Ingest?
  - SourceLists
  - Frames

Technical

1) ThreadXMLRPC class
   · Threaded XML-RPC server

2) PlasticProxy class
   · All PLASTIC logic, stand alone

3) Plastic class
   · All Astro-WISE logic