

MAST Data Discovery Portal

The new website for accessing MAST data

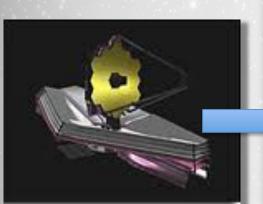
Tom Donaldson

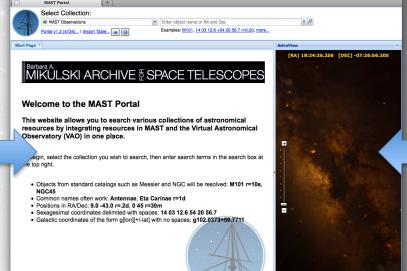


Nov 26 2012

Consolidate all MAST data holdings

Single UI built on the success of HLA and GalexView



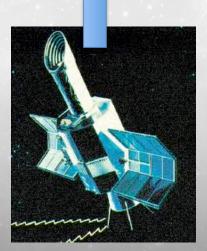


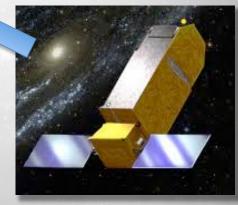
MAST Portal











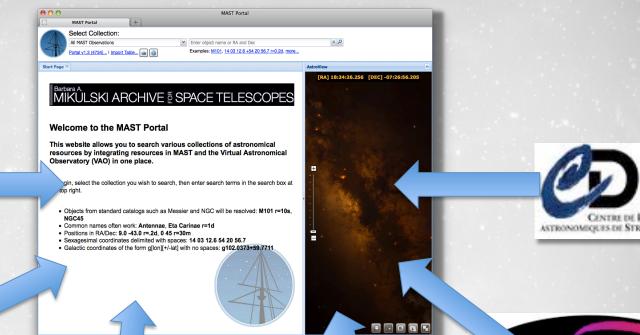


Nov 26 2012

Collaborate With VAO

Access Virtual Observatory for Multi-Wavelength Search and Discovery











HEA ARC



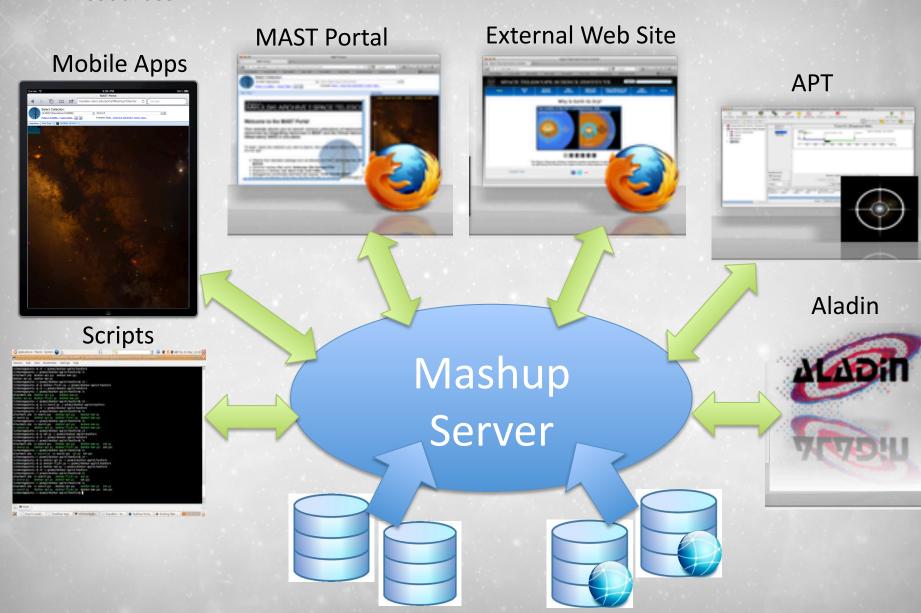
MAST Users Group

Nov 26 2012

Meeting

Flexible and Extensible Infrastructure

Single server can support multiple clients, while accessing local and remote resources



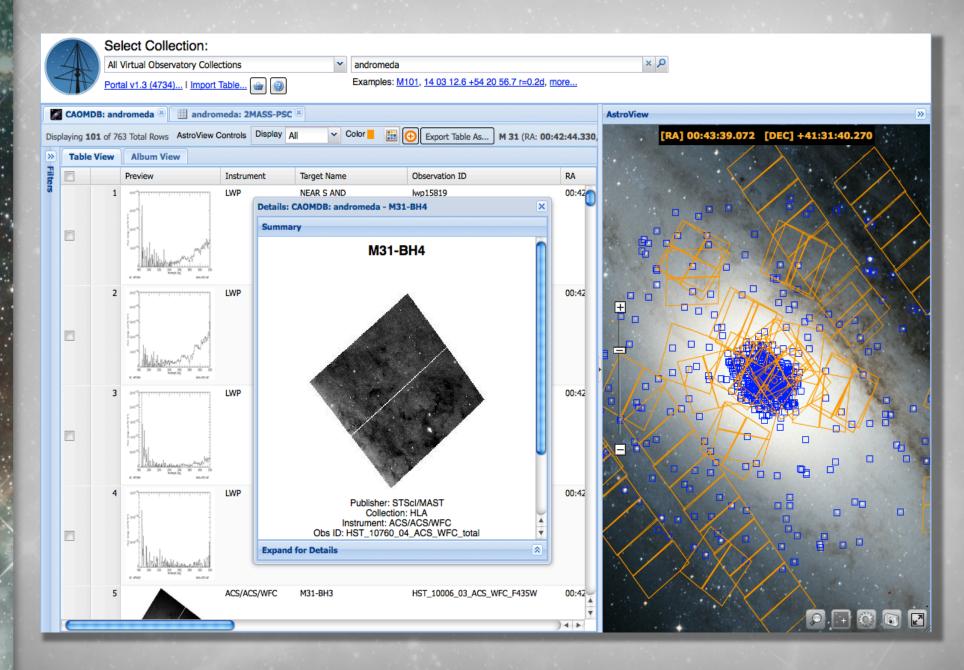
Local Resources

Remote Resources



Nov 26 2012

Demo: http://mast.stsci.edu/explore



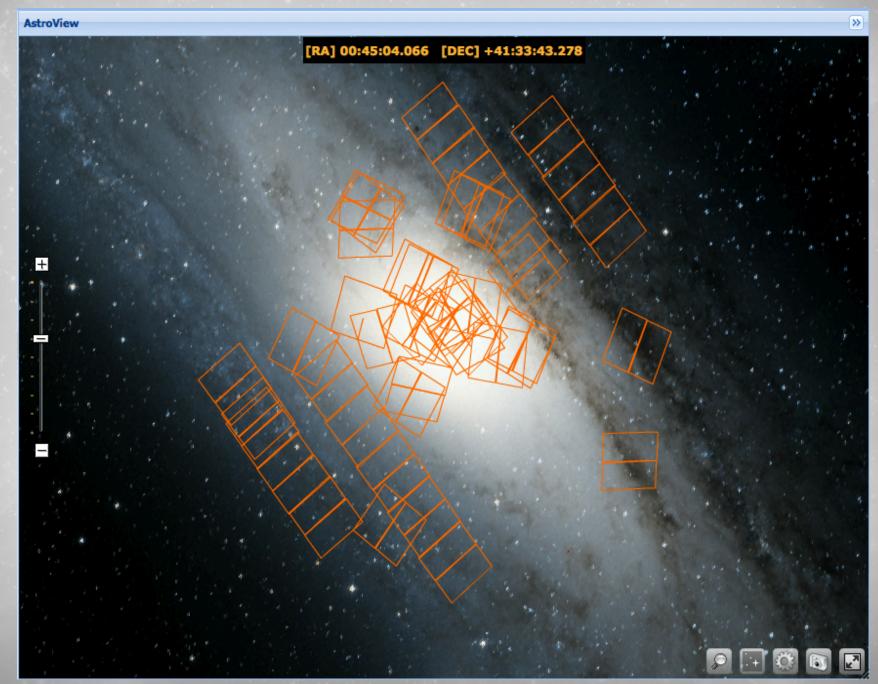


Users

Group Meeting

Nov 26 2012

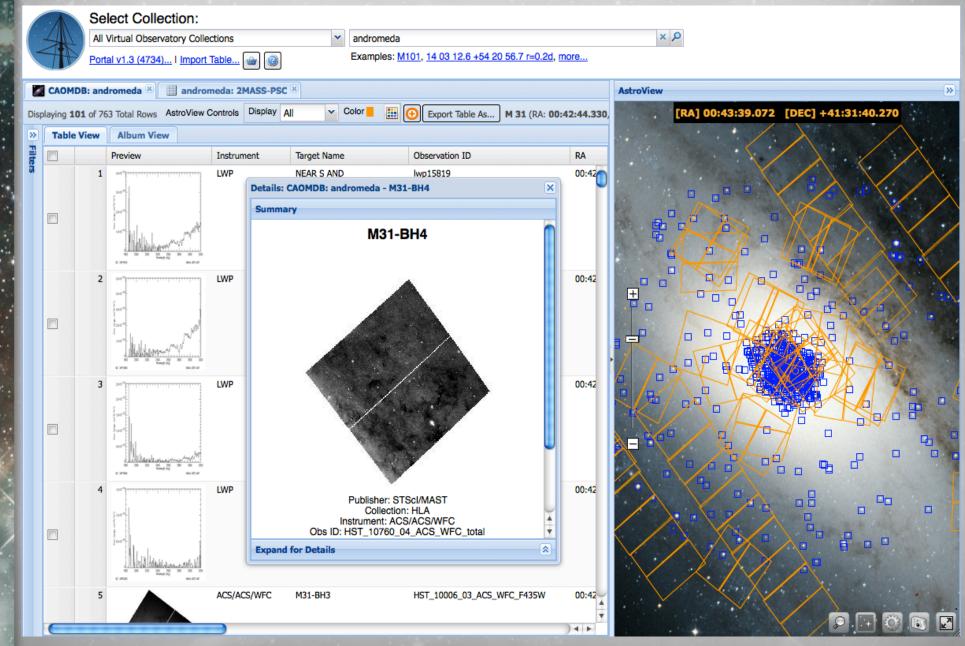
All-Sky Visualization





Nov 26 2012

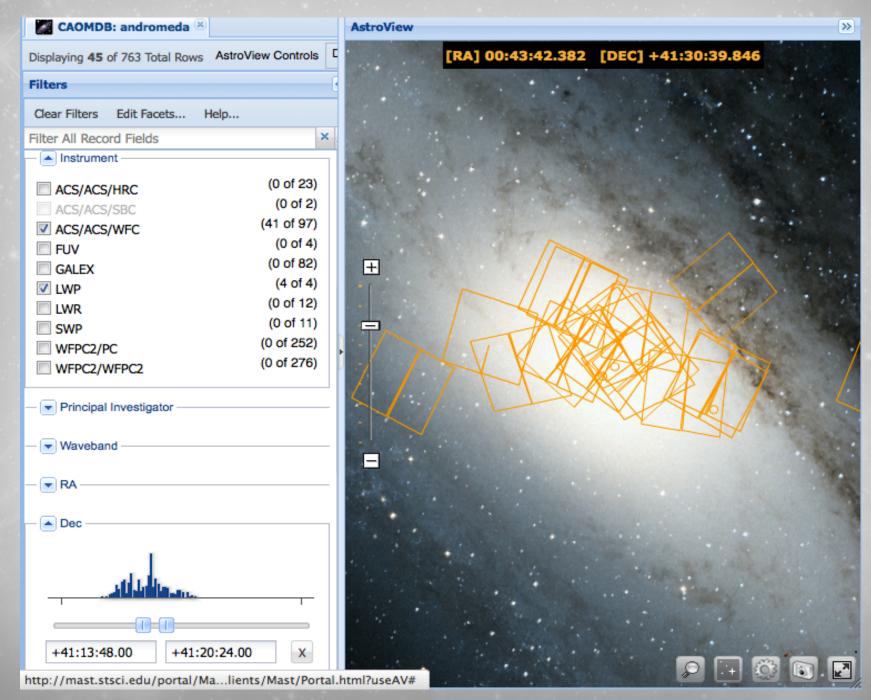
Displays for Images, Catalogs, Spectra





Nov 26 2012

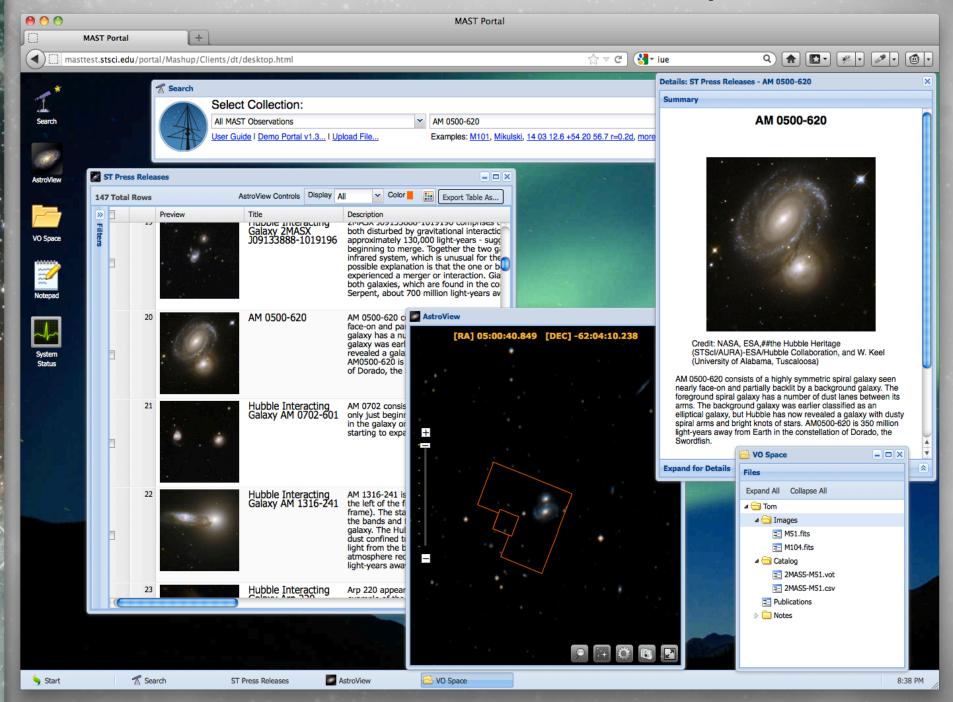
Filters for Narrowing Results





Nov 26 2012

Astronomer's Desktop





Future Plans

- Incrementally Replace MAST Web Pages
 - Cross Mission Search
 - GalexView
 - HLA
- Mission Specific Search Tools
 - StarView: Form-based Query Builder for HST
 - JWST SID Archive: Instrument Test Data for JWST
 - Custom Keyword Search
- Other
 - Citizen Science
 - Mobile Interface
 - Single Sign On Support
 - Astronomer's Desktop



Feedback

- We plan to work closely with archive users to make this tool as useful as possible.
- If interested in sharing ideas on features or trying out the interface as it evolves, please contact us:
 - Tom Donaldson (<u>tdonaldson@stsci.edu</u>)
 - Tony Rogers (<u>rogers@stsci.edu</u>)
 - Geoff Wallace (gwallace@stsci.edu)
 - Karen Levay (<u>klevay@stsci.edu</u>)
 - Other Contributors:
 - Bernie Shiao
 - Brian McClean
 - Theresa Dower
 - Dean Hinshaw

