

Portal and Proposal Submission

Review of SSS Software Readiness for SRO, June 5, 2009



Bryan Butler

EVLA Computing Division Head

Atacama Large Millimeter/submillimeter Array
Expanded Very Large Array
Robert C. Byrd Green Bank Telescope
Very Long Baseline Array



Portal

- *Authenticate* users, so that they can gain access to proprietary data (proposals, schedules, archival data)
- *Authorize* users with different roles to allow access to administrative capabilities
- Facilitate *single sign-on*

Main components of the portal:

- User database
- Profile management
- Connection to main subsystems (PST, OPT, AAT, CASA)

Portal

- Developed in Socorro by EVLA software personnel - first used operationally in spring 2005
- Turned over to NRAO Office of E2E Operations (OEO) in June 2007
- Contracted out to OpenSky software
- Hosted at <http://my.nrao.edu>
- Provides links to proposals (PST) and archival data (AAT); working on providing access to schedules (OPT)

Portal



National Radio Astronomy Observatory

Monday 01 June 2009

Username:

Password:

[Forgot Password?](#)

* System inactivity timeout is 60 mins

[Proposal Help Desk](#)



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Portal



National Radio Astronomy Observatory

- Dashboard
- Proposals
- CASA
- Profile

Hi, Bryan | [Sign Out](#)

Monday 01 June 2009

[Help](#)

Options

- Dashboard
 - News & General Information
 - Information for Astronomers
 - Documentation
 - Release Notes
 - Policies
 - My Information
 - My Data
 - My Observations
 - Feedback

DASHBOARD

0:7 hour(s) past Deadline

Telescope News

- Next Proposal Deadline - **June 01, 2009 5pm ET (21 hours UT)**
- Important** [Information for VLA/VLBA/HSA/VLBI Proposers](#) - May 15, 2009
- Important** [Information for GBT Proposers](#) - May 14, 2009
- New Software Available** [EVLA Observation Preparation Tool \(OPT\)](#) - March 1, 2009
- Important** [VLBA/HSA Proposers must use the PST](#) - January 15, 2009
- [VLA Configurations and Proposal Deadlines](#) - December 30, 2008
- [Using Retrofitted EVLA Antennas with the VLA](#) -January 8, 2009

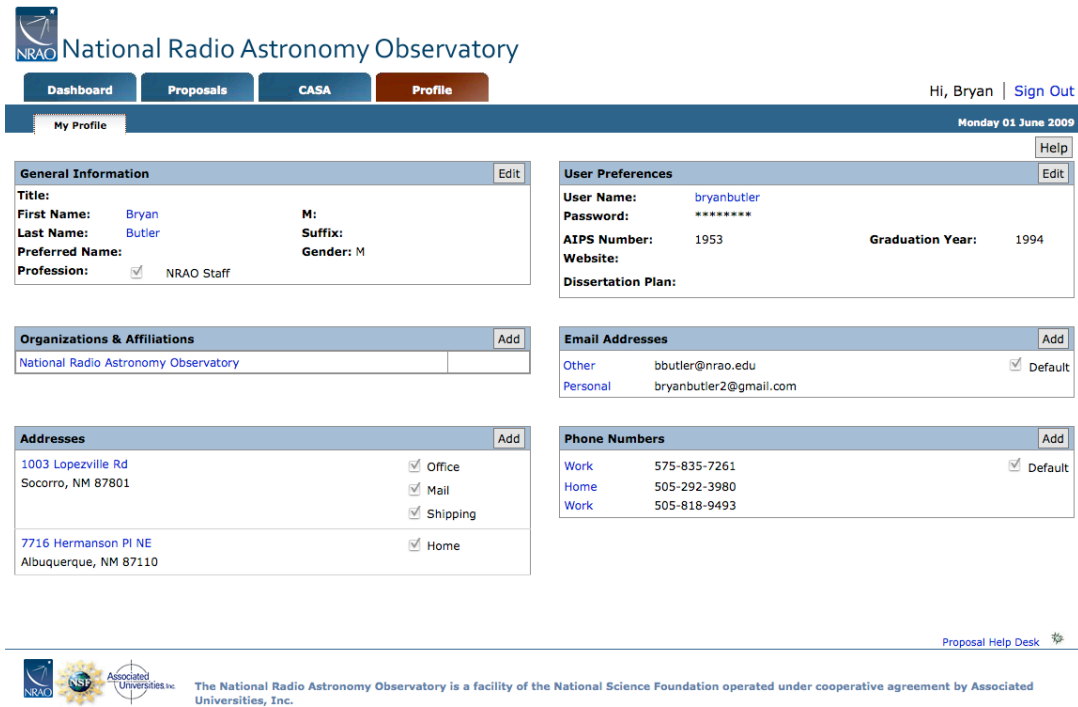
[Proposal Help Desk](#)



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Profile Management

Allows users to manage their information, including password, email, snail-mail, phone, etc.



NRAO National Radio Astronomy Observatory

Dashboard Proposals CASA **Profile** Hi, Bryan | [Sign Out](#) Monday 01 June 2009

My Profile [Help](#)

General Information Edit	
Title:	
First Name: Bryan	M:
Last Name: Butler	Suffix:
Preferred Name:	Gender: M
Profession: <input checked="" type="checkbox"/> NRAO Staff	

User Preferences Edit	
User Name: bryanbutler	
Password: *****	
AIPS Number: 1953	Graduation Year: 1994
Website:	
Dissertation Plan:	


Organizations & Affiliations Add	
National Radio Astronomy Observatory	

Addresses Add	
1003 Lopezville Rd Socorro, NM 87801	<input checked="" type="checkbox"/> Office <input checked="" type="checkbox"/> Mail <input checked="" type="checkbox"/> Shipping
7716 Hermanson Pl NE Albuquerque, NM 87110	<input checked="" type="checkbox"/> Home

Email Addresses Add	
Other	bbutler@nrao.edu <input checked="" type="checkbox"/> Default
Personal	bryanbutler2@gmail.com

Phone Numbers Add	
Work	575-835-7261 <input checked="" type="checkbox"/> Default
Home	505-292-3980
Work	505-818-9493

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Authentication

We have chosen CAS (Central Authentication Service) for authentication - <http://www.jasig.org/cas>

- Industry standard
- Lightweight
- Open source
- Supports single sign-on (uses tickets and redirects)
- Supports many clients (Apache, Perl and Python, Zope, Ruby on Rails)
- OpenSky agreed to implement it

Authorization

We allow access to different roles within the various tools by defining “groups” within the user database. When users are authenticated and their information passed to a tool, their groups are passed as well, allowing each tool to then define their own roles, which are easily extensible within the system.

Portal - SRO Support

There are no changes necessary to the portal to support SRO observing - those changes that were needed have been implemented in the past few months (notably the CAS authentication).

Proposal Submission

- Developed in Socorro by EVLA software personnel, but in consultation with Greenbank; supported both VLA and GBT proposals beginning June 2005
- Turned over to NRAO Office of E2E Operations (OEO) in June 2007
- Contracted out to OpenSky software
- Since then, support for VLBA also added

Proposal Submission

Key components:

- Proposal editing
 - Cover page
 - Sources
 - Resources
 - Sessions
 - User proposal management
 - Create, delete, copy, validate, print, submit
 - Staff proposal management (handling tools)
-

Proposal Submission

National Radio Astronomy Observatory

Dashboard **Proposals** Administration

Hi, Bryan | [Sign Out](#)

My Proposals Available Authors Available Organizations Thursday 12 June 2008

[Help](#) [Cancel](#) [Save](#)

GENERAL

Observing Proposal

Status: DRAFT
Create Date: 06/12/2008
Modify Date: 06/12/2008
Submit Date:
Total Time: 0.0

Title (80 characters max)

Proposal Type
 Regular Large Rapid Response

Scientific Category
 Solar System Stellar Galactic Extragalactic

Abstract (200 words max) [Word Count : 0]

Joint
 Not a Joint Proposal Joint withGBT Joint with VLBA Joint withGBT and VLBA

Observing Type(s)
 Continuum Pulsar Polarimetry
 Spectroscopy Planetary Radar Single Pointing(s)
 Monitoring Solar High Time Resolution
 Grid Mapping/Mosaicing Triggered Transient

Dissertation Research Plan
 Dissertation Plan is now associated with author(s) and must be set on the Author's page. Dissertation Plan section will appear when a student author is marked "Observing For Thesis".

Observer Present for Observations
 Yes No

Staff Support Required
 None Consultation Friend

Related Proposals

[Propose Help Desc](#)

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PST - SRO Support

There is one mandatory change to the PST for OSRO observing:

- OSRO WIDAR capabilities in the Resources

There is an optional change which will make our job much easier in pre-populating the initial schedules in the OPT:

- Export of proposals in a well-defined format

For RSRO we need a change to allow for two extra pages in the description (for budget and personnel, and WIDAR description, which will not be in the Resources), and then the ability to have a placeholder WIDAR Resource.