

AAT/PPI 4.0 Series Release Notes

- [Introduction](#)
- [New Features](#)
- [Known Issues](#)
- [Release Notes - 4.1.0 - 2022-02-27](#)
 - [Epic](#)
 - [Engineering Task](#)
 - [Feature](#)
 - [Bug](#)
- [Release Notes - 4.0.1 - 2022-01-27](#)
 - [Epic](#)
 - [Research Request](#)
 - [Engineering Task](#)
 - [Feature](#)
 - [Bug](#)
- [Release Notes - 4.0.0 - 2021-10-19](#)
 - [Epic](#)
 - [Research Request](#)
 - [Engineering Task](#)
 - [Feature](#)
 - [Bug](#)

Introduction

The AAT/PPI (Archive Access Tool/Pipeline Processing Interface) is designed to be a replacement for the NRAO's current archive tool (<https://archive.nrao.edu>) that gives astronomers the ability to utilize the NRAO's processing clusters to manipulate observation data using CASA. This release provides the additional capability of providing ALMA OUS restores.

Additional features include:

- Responsive interface that works on mobile devices.
- Natural language (text based) searches of the observation's title, abstract, source names, authors, and more; e.g., search on 'nova'.
- Search results displayed as an Observations View (similar to the legacy archive) or a Projects View, which aggregates observations by project and also displays the title, abstract and other assorted details missing from the Observations View.
- Display a scans report for a given execution block, including the scan intents and subscans.
- The 'my data' feature: log in, press a button, and see a list of your observations.
- If you link your ALMA and NRAO accounts, you can use either to access your observations.
- For ALMA and VLA you can download your SDM as a measurement set and filter by scan intent.
- For VLA you can download a calibrated measurement set restored from a previously run calibration pipeline.

New Features

- support for legacy VLA data
- support for GBT data
- integration of CARTA Valet
- Integration of SECI
- support for downloading VLBA individual correlations

Known Issues

Release Notes - 4.1.0 - 2022-02-27

Epic

- [\[SSA-7181\]](#) - VLBA Correlator Pass Support
- [\[SSA-7210\]](#) - TD: Un-Nest EVLA Filegroups

Engineering Task

- [\[SSA-7183\]](#) - Modify VLBA ingestion to create science products from correlation files
- [\[SSA-7184\]](#) - Modify VLBA indexing to support correlation files as science products
- [\[SSA-7209\]](#) - Un-nest EVLA Filegroups
- [\[SSA-7245\]](#) - Add allow_download and is_srdp columns to products table - WS Support
- [\[SSA-7246\]](#) - Add endpoint to set SRDP status flag to archive service - WS Support
- [\[SSA-7272\]](#) - Multiple deployment enhancements

Feature

- [\[SSA-7182\]](#) - Transform VLBA Science Products to use Correlation Files

- [\[SSA-7198\]](#) - Modify support for VLBA proprietary period

Bug

- [\[SSA-7170\]](#) - permissions of `working` directory
- [\[SSA-7194\]](#) - Make 'Not in OPT' project display in AAT
- [\[SSA-7290\]](#) - mark4 import doesn't handle new VLBA structure correctly

Release Notes - 4.0.1 - 2022-01-27

Epic

- [\[SSA-6528\]](#) - ELWA: Ingestion System
- [\[SSA-7075\]](#) - Pilot: VLBA Correlator Pass Support
- [\[SSA-7211\]](#) - Update calculation of AUDI defaults

Research Request

- [\[SSA-7076\]](#) - Design VLBA Correlator Pass grouping

Engineering Task

- [\[SSA-7153\]](#) - normalize sp.external_system values

Feature

- [\[SSA-6529\]](#) - Database Modifications to Support the ELWA Collection
- [\[SSA-6530\]](#) - Collection Service Modifications for ELWA Ingestion
- [\[SSA-6531\]](#) - Workflow and Manifest Generation Modifications for ELWA Ingestion
- [\[SSA-6532\]](#) - Ingestion System Modifications for ELWA
- [\[SSA-6533\]](#) - Ingestion Command Line Interface for ELWA Ingestion
- [\[SSA-7158\]](#) - Update calculation of AUDI defaults
- [\[SSA-7177\]](#) - VLBA test projects should not have proprietary period in archive

Bug

- [\[SSA-5538\]](#) - VLA/VLBA proposal code degeneracy - duplicate proposal codes in PST
- [\[SSA-7087\]](#) - refactor update_sproj for VLBA, GBT & legacy VLA
- [\[SSA-7169\]](#) - VLBA band codes not rolling up
- [\[SSA-7172\]](#) - Missing VLBA data from new archive
- [\[SSA-7173\]](#) - VLBA data sizes are off
- [\[SSA-7186\]](#) - Fix Existing 'Not in OPT' Science Projects
- [\[SSA-7253\]](#) - External System updates for workflow queries
- [\[SSA-7257\]](#) - VLA ingestion failing

Release Notes - 4.0.0 - 2021-10-19

Epic

- [\[SSA-6973\]](#) - CARTA Validation Punch List

Research Request

- [\[SSA-6979\]](#) - Investigate Performance Issues

Engineering Task

- [\[SSA-6983\]](#) - Remove database entries for AUDI images that are not in NGAS
- [\[SSA-7126\]](#) - 15 Sep 21: Archive UI unresponsive

Feature

- [\[SSA-7137\]](#) - Integration of CARTA Valet into AAT/PPI
- [\[SSA-7140\]](#) - Change view in CARTA Icon to the CARTA logo

Bug

- [\[SSA-6922\]](#) - AUDI Image download from the AAT always needs authentication

- [\[SSA-7132\]](#) - nightly solr 'everything' job never completes
- [\[SSA-7146\]](#) - two observations with wacky file sizes
- [\[SSA-7160\]](#) - AUDI downloads on test fail
- [\[SSA-7168\]](#) - legacy VLA data RH failure