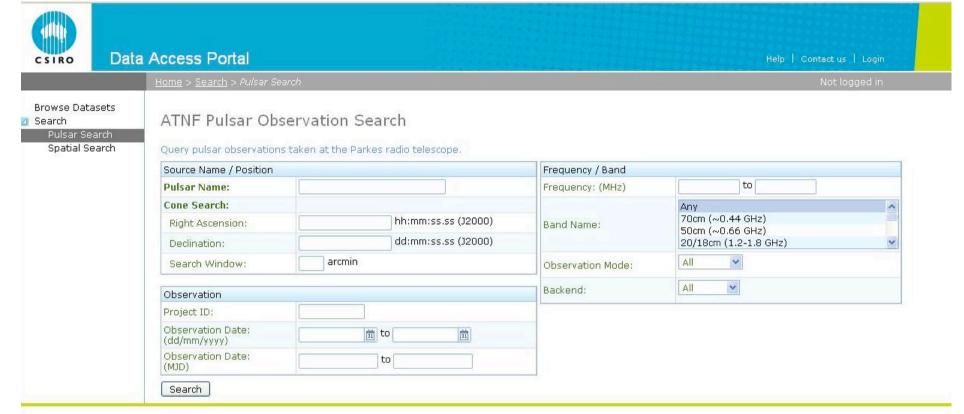
CSIRO ATNF Pulsar Search User Guide

Location: http://datanet.csiro.au/dap/public/pulsarSearch.zul

This document is a basic user guide to provide some background on how to use the CSIRO Pulsar search facility. The Pulsar Search is still in development so there may be some functionality that is not completed as yet. I have included a list of all the working components in the user guide. In addition, the externally available search facility at the above link is several versions behind the version that you may have seen demonstrated.

If you have any questions or feedback, please do not hesitate to contact me via return email at grant.wilson@csiro.au

Pulsar Search screen:

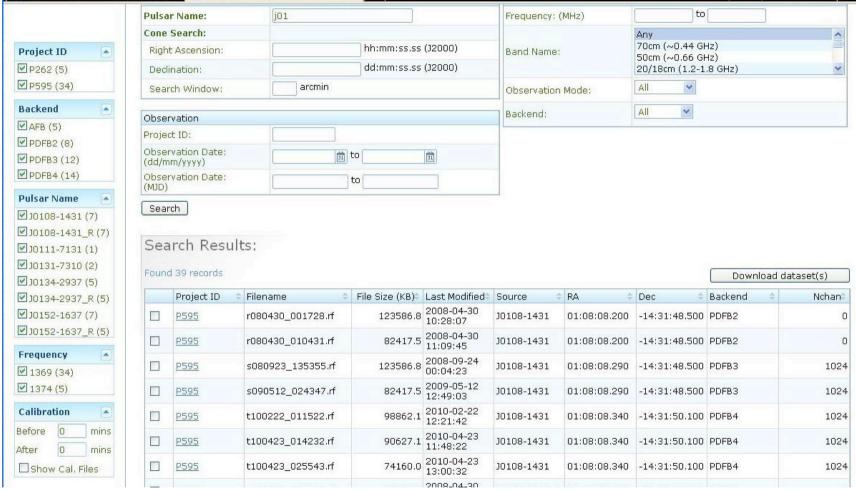


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Server Name: Production, Build Number: 1.2.0 (11 Nov 2010)

The Pulsar search screen allows searching through ATNF Pulsar data using a variety of search options

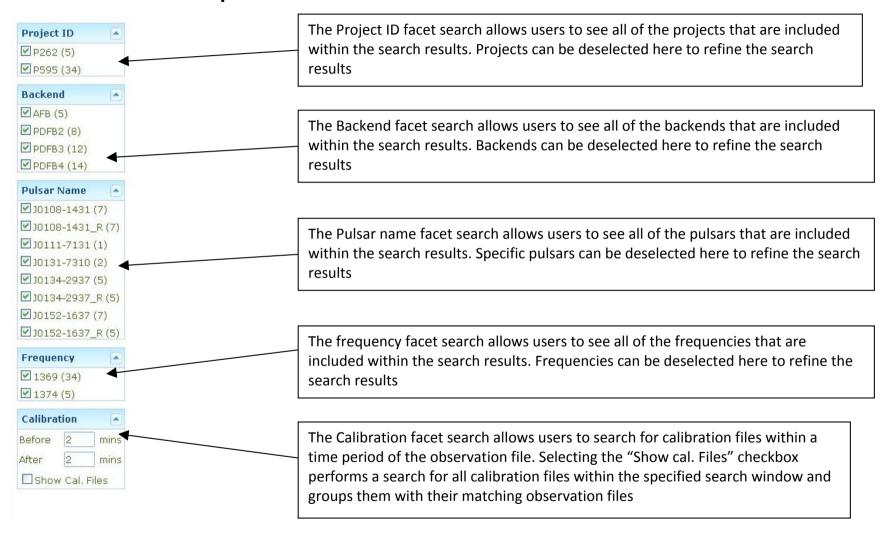
Search field	Description
Pulsar name	Allows searching for pulsar observations by the name of a pulsar.
	Partial matching is allowed
Cone Search	
 Right ascension 	Right Ascension measurement in hh:mm:ss.ss (J2000)
- Declination	Declination measurement dd:mm:ss.ss (J2000)
- Search window	Field of view to search around the RA/Dec measurement (arcmin)
Project ID	This is the OPAL project ID in which an observation was observed
Observation date (DD-MMM-YYYY)	Allows searching for pulsar observations by observation date in
	dd-mmm-yyyy format
Observation date (MJD)	Allows searching for pulsar observations by observation date in
	Modified Julian Date (MJD) format
Frequency	Allows searching for pulsar observations within a frequency range
Frequency Band name	Allows searching for pulsar observations within a specified frequency
	band
Observation mode	Allows searching for pulsar observations by observation mode
Backend	Allows searching for pulsar observations by the backend used
	<u> </u>

Pulsar Search Results:

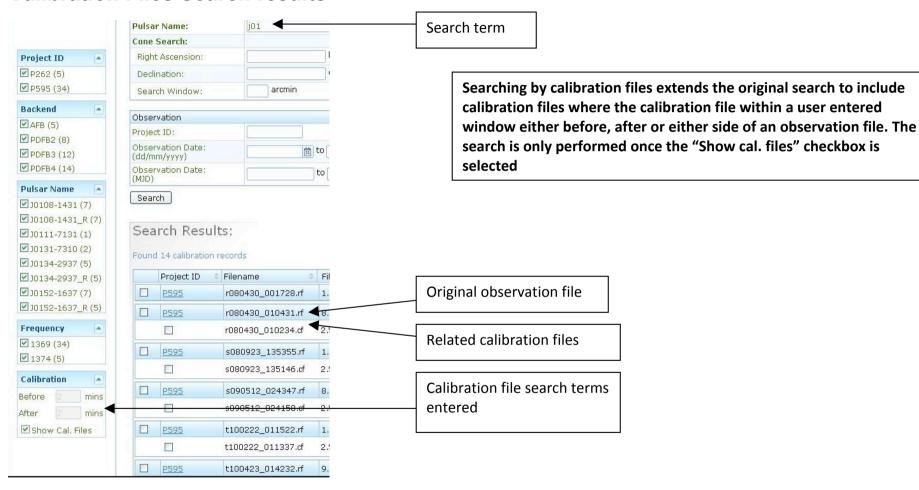


Following the completion of the search results, all matching observation records are returned. At present, only the first 1000 search results are returned.

Pulsar Facet Search pane:

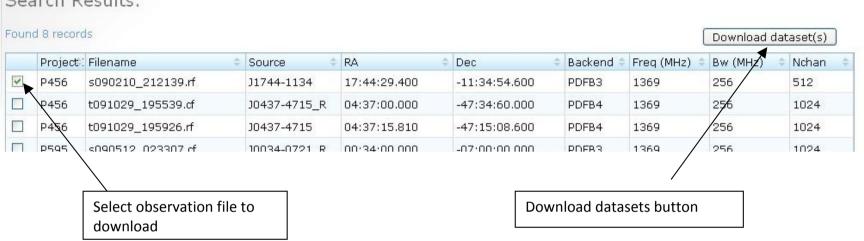


Calibration Files Search results



Download pulsar datasets

To download observation files, users can select a file by checking the checkbox next to the record they would like and clicking download Search Results:



Future functionality

At this stage, the download of multiple files has not been implemented, but this is expected to be implemented in the very near future. In addition, other enhancements to the interface that are under development include:

- Search for pre-processed observation files
- Download pre-processed observation files
- Search for thumbnail images of processed observation files
- Download multiple files