

# Data access - CSIRO computer account users

ATNF Science

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This document describes the ways that a user with an ATNF computer account can access pulsar and spectral line data taken by the Parkes radio telescope.

# 1 Pulsar data

ATNF computer account holders can access available data from CSIRO's Data Access Portal (DAP).

Limited data sets are also available in the ATNF data archive, but we encourage users to access the DAP first.

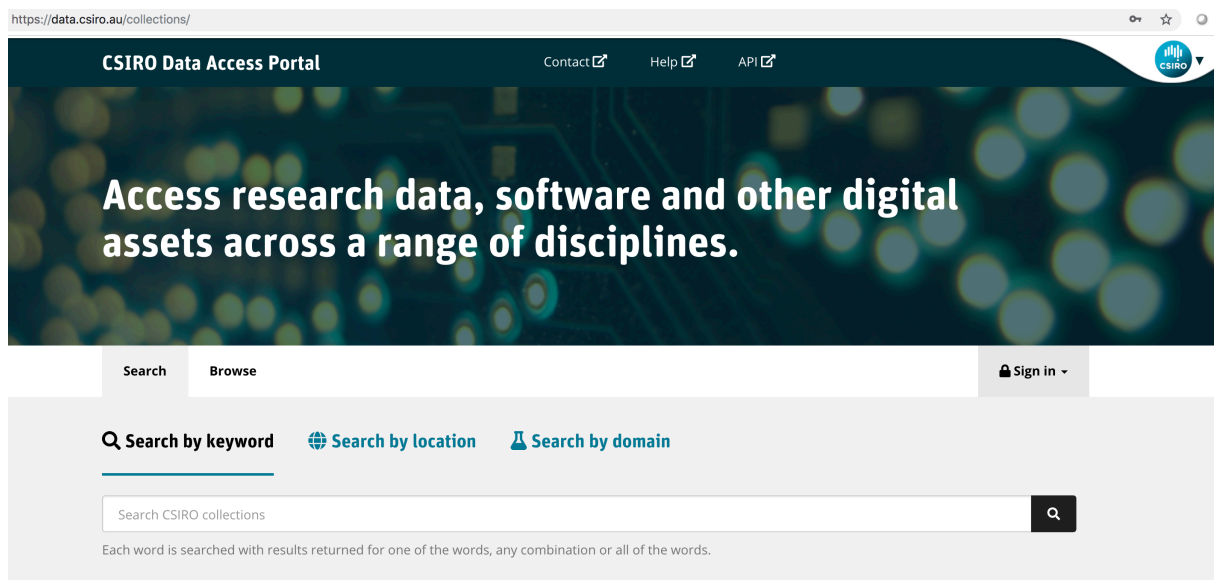
A program for downloading pulsar data from DAP is available on both ATNF machines and CSIRO HPCs:

- [Data download scripts](#)<sup>1</sup>

## 1.1 Accessing data from CSIRO's Data Access Portal (DAP)

### 1.1.1 Request data

- Browse to <https://data.csiro.au>
- Search for your data; if you have an OPAL or NEXUS account, sign in with your credentials:



- Choose your collection - in this example, a 2018APR semester of the project ID P737 has been selected:

<sup>1</sup> <https://confluence.csiro.au/display/AS/Data+download+scripts>



**CSIRO Data Access Portal**

Contact [Help](#) [API](#)

Search Browse [Sign in](#)

[Back to search results](#) [Next result](#)

## Parkes observations for project P737 semester 2018APRS\_51

Description Files **10** Services **0** Download **0**

### About this collection

**George Hobbs**, **Dick Manchester**, **James Green**, **Simon Johnston**, **John Sarkissian**, **John Reynolds**, **Matthew Bailes**, **Willem van Straten**, **Andrew Jameson**, **Ryan Shannon**, **Jane Kaczmarek**, **Shi Dai**

**Collection description**  
Pulsar observations using the Parkes radio telescope have led to some of the most exciting astronomical results in the last few years. The aim of this proposal is to carry out tests of the new backend instruments which cannot be carried out during standard maintenance periods. High precision pulsar timing experiments require cross-coupling in the feed to be measured. This can only be done using observations of PSR J0437-4715 from rise-to-set. We propose to undertake such observations and make the results available for any users of the telescope. We will also use P737 to commission new receivers such as the UWB.

**Start date**  
2018-04-01

**End date**  
2018-09-30

**Access**  
The metadata and files (if any) are available to the public.

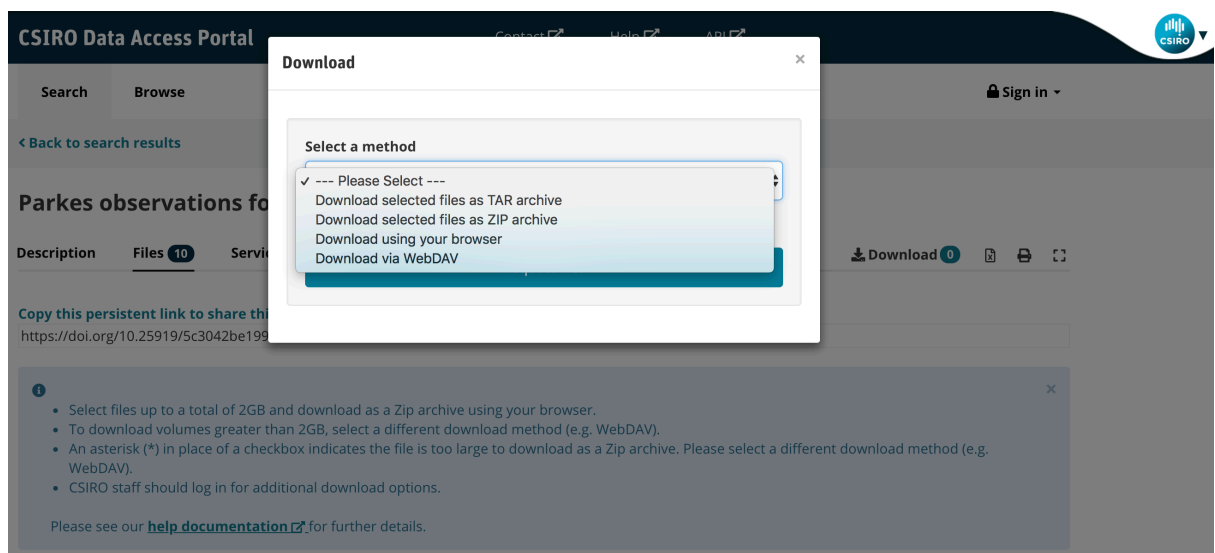
**Data**  
**Published**  
05 Jan 2019

**Contact**  
CSIRO Enquiries  
[CSIROEnquiries@csiro.au](mailto:CSIROEnquiries@csiro.au)  
1300 363 400

**Licence**  
[Creative Commons Attribution 4.0 International Licence](#)

**Permalink** [copy](#)  
<https://doi.org/10.25919/5c3042be1992b>

- Click on the 'Files' tab, then 'Download' and choose from a list of download methods. Select 'Download via WebDAV', enter your email address and click 'Request files':



**Download**

Select a method

- ✓ --- Please Select ---
- Download selected files as TAR archive
- Download selected files as ZIP archive
- Download using your browser
- Download via WebDAV

**Copy this persistent link to share this collection**  
<https://doi.org/10.25919/5c3042be1992b>


- Select files up to a total of 2GB and download as a Zip archive using your browser.
- To download volumes greater than 2GB, select a different download method (e.g. WebDAV).
- An asterisk (\*) in place of a checkbox indicates the file is too large to download as a Zip archive. Please select a different download method (e.g. WebDAV).
- CSIRO staff should log in for additional download options.

Please see our [help documentation](#) for further details.

- You will receive a confirmation email similar to the one below once the collection is available:

# Research Data Service

INFORMATION MANAGEMENT AND TECHNOLOGY  
[www.csiro.au](http://www.csiro.au)



Dear File Requestor,

The collection Parkes observations for project P737 semester 2015OCTS is now available. The collection can now be downloaded via WebDAV, and will remain accessible for your action for the next 168 hours. You will need to use your email address and the temporary password provided below to access this collection.

User: [lawrence.toomey@csiro.au](mailto:lawrence.toomey@csiro.au)  
 Password: Fo9Dr1t7

The files may be accessed using:


- [https://webdav-cl.data.csiro.au/dap\\_prd\\_000017572v001/](https://webdav-cl.data.csiro.au/dap_prd_000017572v001/) (Opens in web browser)

The metadata and licence for this collection are supplied in the attached files. You may wish to save this information with any files you download for future reference.


Further information about access options can be found at <https://confluence.csiro.au/x/pQDsDw>.

Thank you for using the Research Data Service.


## ITEMS OF INTEREST






[www.csiro.au](http://www.csiro.au)


### CSIRO Publications



### CSIROpedia



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This email has been sent by the CSIRO Research Data Service

Email: [CSIROEnquiries@csiro.au](mailto:CSIROEnquiries@csiro.au) | Phone: 1300 363 400

NOTE: If you are not logged in when you request data, you will receive a temporary password (as in the example above).

If you are logged in when you request data, your credentials will be your OPAL account email (or NEXUS ident) and password. These credentials are required to access any embargoed data for which you are listed on the OPAL proposal.

### 1.1.2 Download your data

- Click on the link in the confirmation email - you will be prompted for your credentials, and the collection will then open in the browser
- If you wish to download to an ATNF machine, log on to host *venice*, then *newton*

- Check you have booked disk space with:

```
bookings -u your_ident
```

- To request disk space, please email [bookings@atnf.csiro.au](mailto:bookings@atnf.csiro.au)<sup>2</sup> with your requirements
- If you wish to download to a CSIRO HPC, log on to either *Ruby*, *Pearcey* or *Bracewell*, e.g.:

```
ssh -Y <your_ident>@ruby.hpc.csiro.au
```

- To request an HPC account, see the Scientific Computing information at [Register to become a user](#)<sup>3</sup>
- Run the download script with the following arguments if you requested an embargoed collection and are listed on the OPAL proposal for that collection:

```
get-dap-collection.sh --url https://webdav-cl.data.csiro.au/dap_prd_NNNNNNNNNvNNN --user  
<your_ident> --destdir /path/to/your_data_destination
```

Alternatively, run the following command if you are downloading a publicly available collection (out of embargo):

```
get-dap-collection.sh --url https://webdav-cl.data.csiro.au/dap_prd_NNNNNNNNNvNNN --user  
<your_email_address> --destdir /path/to/your_data_destination
```

Where <your\_email\_address> is as stated on the DAP confirmation email.

## 1.2 Accessing data from the ATNF data archive

- Log on to host *venice*
- For CASS pulsar group users, your data can be accessed from the following ATNF archives:

\$DFB\*

\$CASPSR\*

\$UWL\*

- Processing can be conducted directly on host *newton* or data can be copied to your institution

<sup>2</sup> <http://atnf.csiro.au/>

<sup>3</sup> <https://confluence.csiro.au/display/SC/Register+to+become+a+user>

## 2 Spectral line data

Parkes spectral line data are archived in the Australia Telescope Online Archive (ATOA):

<https://atoa.atnf.csiro.au/>



### 3 Need help?

Please contact [too043@csiro.au](mailto:too043@csiro.au)<sup>4</sup> for further information.

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<sup>4</sup> <mailto:too043@csiro.au>