



Murriyang Data Access: Spectral Line/Continuum Data

July 26th 2025

Lawrence.Toomey@csiro.au

Table of Contents

<i>Parkes Telescope Data Access.....</i>	<i>1</i>
<i>Data access.....</i>	<i>2</i>
STEP 1: Conduct a search query.....	2
STEP 2: Download your data	Error! Bookmark not defined.
<i>Need help with data access?</i>	<i>3</i>

This document describes the ways in which spectral line and continuum data taken by the Parkes radio telescope can be accessed.

Data are archived in the Australia Telescope Online Archive (ATOA).

Data access

STEP 1: View the Users Guide

Instructions on accessing your data are available on the ATOA Users Guide:

<https://www.atnf.csiro.au/observers/docs/atoa/atoaguide.html>

STEP 2: Conduct a search query

- Navigate to <https://atoa.atnf.csiro.au/> and click on 'ATOA Search':

The screenshot shows the ATNF website with the following structure:

- Header:** CSIRO logo, "Australia Telescope National Facility", and a search bar.
- Navigation Bar:** ATNF Home, About ATNF, Facilities, Science & Technology, Online Resources, Outreach.
- Main Content Area:**
 - Australia Telescope Online Archive**
 - Welcome to the Australia Telescope Online Archive (ATOA). The ATOA provides access to:
 - Australia Telescope Compact Array unprocessed data taken between 3 Jun 1990 and 31 Dec 2020;
 - Mopra (mostly MOPS) unprocessed data taken between 10 May 1998 and 30 Nov 2020;
 - Parkes unprocessed spectral line and continuum data taken between 18 Apr 1991 and 25 Jul 2019;
 - VLBI correlated long baseline data taken from Nov 1993 onwards;
 - Data products from several surveys with the Mopra Telescope.
 - To login:* The ATOA uses the OPAL user account system. To register with OPAL and the ATOA, change your account details, or to reset your password, see the links on the OPAL Home Page.
 - The ATOA Search produces a list of matching files or a summary list of observations. To download data files requires an OPAL user account and password access. Access to data files is subject to the [ATNF data access conditions](#).
 - The ATOA supports Firefox and Internet Explorer. If you have any problems using the ATOA then please use the *Contact Us* link to send an email to the ATOA and OPAL administrators.
 - ATOA News (August 2016):**
 - The ATOA and the [ATOA Users Guide](#) have recently been upgraded to facilitate downloads of large files and large numbers of files, and to provide support for large-scale searches.
 - In addition to the standard search form, ATOA metadata describing observations carried out with ATNF facilities, can now be explored using Virtual Observatory services. Please see the [ATOA Users Guide](#) for information and instructions.
- Left Sidebar (ATOA links):**
 - [ATOA Users Guide](#)
 - [ATOA Search](#) (circled in purple)
 - [ATOA File List](#)
 - [Download](#)
 - Mopra Data Products**
 - [MALT90 Data Cubes](#)
 - [Central Molecular Zone Data Products](#)
 - [Mopra CO Survey](#)
 - [Login or reset password](#)
 - [Contact us](#)
 - [OPAL](#)
 - [CSIRO ATNF Data Archives](#)

- For UWL data, select 'Parkes UWL' from the drop-down 'Instrument' list:

Australia Telescope National Facility

Search

ATNF Home About ATNF Facilities Science & Technology Online Resources Outreach

ATOA Search

Use this form to generate a summary list of observations from the Australia Telescope Compact Array, Mopra (MOPS data), Parkes radio telescope (other than pulsar observations) and VLBI observations.
For a summary report select **Report Type = Scans summary** . To list and download data files select **Report Type = Matching files**.

[Expand Instructions](#) [ATOA Home Page](#)

Search Reset

Project Codes Instrument Source Name Report Type Sort Order Page Size

Parkes UWL Matching files Most recent first 100 records

Need help with data access?

Information about the ATNF Data Archives is available at:

<https://www.atnf.csiro.au/observers/data/index.html>

Contact ATNF data support at:

atnf-datasup@csiro.au

Please contact Lawrence.Toomey@csiro.au or Vincent.McIntyre@csiro.au for further information.