

# Long Term Archive Howto

This is a short manual on how to search for and retrieve data from the Long Term Archive.

## User Access

To access the LTA you need to have an account in MoM that is enabled for the archive.

1. This automatically happens if you were a member of the original project proposal in MoM.
2. Otherwise Science Support needs to add you to the project to which you need access.
3. For public data you can use an anonymous account.

You might get an email asking you to set a new password in [ASTRON Web Applications Password Self Service](#). This will set not just a new password for the LTA but for MoM (LOFAR/WSRT) and Northstar as well.

## Finding data

Once your account is set up, you can navigate to [LTA Catalog site](#) Please note that this address might change before full operations in December 2012.

Currently you can only search the LTA catalog per project. This means you need so select a project first.

[login \(awsciencesupport\)](#) | [project \(Commissioning2012\)](#) | [Search](#) | [Show Latest](#)

After this you can either use

1. The *Search* screen which allows you to search by RA/Dec, ObservationId, Frequency, etc.
2. The *Show Latest* screen which shows you the most recently added data for this project ordered in several ways.

[Home](#)[Help](#)[login \(renting\)](#)[project \(Commissioning2012\)](#)[Search](#)[Show Latest](#)

## Interferometric Data 1 to 256 (showing 256 of total 44709)

[edit columns](#) | [stage](#) [uris](#)

| #  | <input type="checkbox"/> | DataProduct Identifier | Target Name | Right Ascension [degrees] | Declination [degrees] | Central Frequency [MHz] | Channel Width [MHz] |
|----|--------------------------|------------------------|-------------|---------------------------|-----------------------|-------------------------|---------------------|
| 1  | <input type="checkbox"/> | 3400453                | 3C218       | 139.523541667             | -12.0955555556        | 155.859375              | 3051.7578           |
| 2  | <input type="checkbox"/> | 3400408                | Hercules-A  | 252.784166667             | 4.9925                | 156.25                  | 3051.7578           |
| 3  | <input type="checkbox"/> | 3400429                | 3C218       | 139.523541667             | -12.0955555556        | 130.6640625             | 3051.7578           |
| 4  | <input type="checkbox"/> | 3400445                | 3C218       | 139.523541667             | -12.0955555556        | 146.09375               | 3051.7578           |
| 5  | <input type="checkbox"/> | 3400450                | 3C218       | 139.523541667             | -12.0955555556        | 151.171875              | 3051.7578           |
| 6  | <input type="checkbox"/> | 3400462                | 3C218       | 139.523541667             | -12.0955555556        | 165.8203125             | 3051.7578           |
| 7  | <input type="checkbox"/> | 3400442                | 3C218       | 139.523541667             | -12.0955555556        | 145.5078125             | 3051.7578           |
| 8  | <input type="checkbox"/> | 3400463                | 3C218       | 139.523541667             | -12.0955555556        | 166.015625              | 3051.7578           |
| 9  | <input type="checkbox"/> | 3400465                | 3C218       | 139.523541667             | -12.0955555556        | 166.40625               | 3051.7578           |
| 10 | <input type="checkbox"/> | 3400469                | 3C218       | 139.523541667             | -12.0955555556        | 171.2890625             | 3051.7578           |
| 11 | <input type="checkbox"/> | 3400464                | 3C218       | 139.523541667             | -12.0955555556        | 166.2109375             | 3051.7578           |

## Retrieving data

Once you have a list of dataproducts, you can use the check boxes to select which files you want to download. The first check box can be used to select or deselect all files on the page.

[edit columns](#) | [stage](#) [uris](#)

| #  | <input type="checkbox"/>            | DataProduct Identifier | Target Name | Right Ascension [degrees] |
|----|-------------------------------------|------------------------|-------------|---------------------------|
| 1  | <input checked="" type="checkbox"/> | 3400453                | 3C218       | 139.52354                 |
| 2  | <input checked="" type="checkbox"/> | 3400408                | Hercules-A  | 252.78416                 |
| 3  | <input checked="" type="checkbox"/> | 3400429                | 3C218       | 139.52354                 |
| 4  | <input checked="" type="checkbox"/> | 3400445                | 3C218       | 139.52354                 |
| 5  | <input type="checkbox"/>            | 3400450                | 3C218       | 139.52354                 |
| 6  | <input checked="" type="checkbox"/> | 3400462                | 3C218       | 139.52354                 |
| 7  | <input type="checkbox"/>            | 3400442                | 3C218       | 139.52354                 |
| 8  | <input checked="" type="checkbox"/> | 3400463                | 3C218       | 139.52354                 |
| 9  | <input checked="" type="checkbox"/> | 3400465                | 3C218       | 139.52354                 |
| 10 | <input type="checkbox"/>            | 3400469                | 3C218       | 139.52354                 |
| 11 | <input type="checkbox"/>            | 3400464                | 3C218       | 139.52354                 |

When you have made your selection of files, you click on *stage*. This shows you the following message. It means that a request has been sent to the LTA staging service to start retrieving the requested files from tape storage and make them available. You will get an e-mail when this tape retrieval is complete.

The following file(s) are requested for download. You will receive an email when the files can be retrieved.

| Size     | Filename                               |
|----------|--|
| 758.2 MB | L75432_SAP004_SB215_uv.MS_f6b663ca.tar |

The e-mail that you get when the tape retrieval is complete gives you a list of files and has two attachments, `html.txt` and `srm.txt`:

Your data retrieval request with id 25 has been staged and is ready for retrieval.

List of files:




srm://lofar-srm.fz-juelich.de:8443/pnfs/fz-juelich.de/data/lofar/ops/projects/commissionin\_04d3730c.tar

The attached files can be used to retrieve the staged files.

For more information visit [http://www.lofar.org/wiki/doku.php?id=public:lta\\_howto](http://www.lofar.org/wiki/doku.php?id=public:lta_howto)

This mail has been automatically generated by the ASTRON/LOFAR LTA staging service.

Do not reply to this message. If you have any questions or remarks, please contact [sciencesupport@astron.nl](mailto:sciencesupport@astron.nl) and provide the id of the request in your message.

| Name   | Size      | Type               |
|--|-----------|--------------------|
|  Message  | 4KB       | Message Attachment |
|  html.txt | 214 Bytes | File Attachment    |
|  srm.txt  | 189 Bytes | File Attachment    |

There are two ways you can use this list to retrieve the files.

1. HTTP download. If you open `http.txt` this file contains a list of http links that you can feed to a unix commandline tool like `wget` or `curl` or even use in a browser.
2. SRM download. If you open the file `srm.txt` this file contains a list of srm locations which you would feed to `srmcp`. SRM is a GRID specific protocol that is currently supported for data at the SARA and Jülich locations. It is faster, especially if you have significantly more than 1 GB/s bandwidth. It requires a fully fledged GRID account and access and installation of the [GRID srm software](#). Contact Science Support if you think you might need a GRID account but it can not be provided by your own institute.

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