

# Making LOFAR Cycle data Public

07-01-2015

Wilfred Frieswijk  
[frieswijk@astron.nl](mailto:frieswijk@astron.nl)



# ASTRON

## data policy @

[www.astron.nl/radio-observatory/observing-proposals/lofar-data-policy/lofar-data-policy](http://www.astron.nl/radio-observatory/observing-proposals/lofar-data-policy/lofar-data-policy)

- Summary

- ✓ All ILT observing and standard processing pipeline data remain property of the ILT. The ILT operates the LOFAR Archive; all ILT data (eventually) become public.
- ✓ The default ILT data proprietary period for the science of the proposers is 1 year.

# LOFAR public data mechanism



- How does it work?

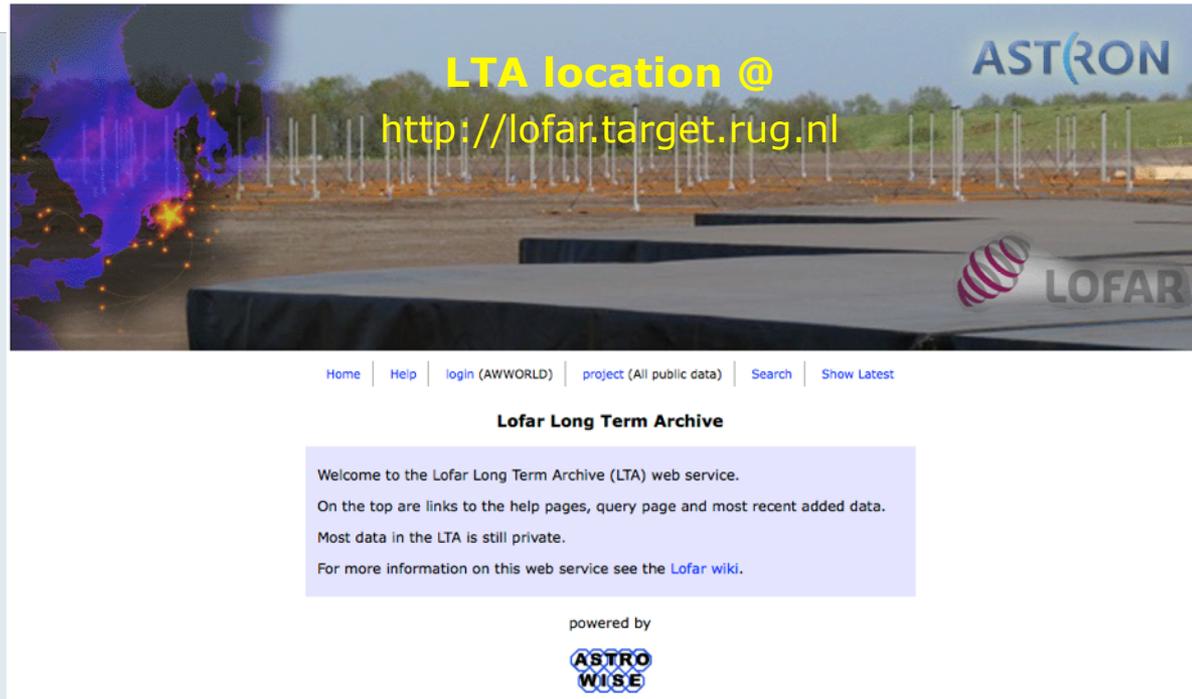
- ✓ projects have a release date

- defined at project creation (visible in MoM and LTA)
    - date can be automatically updated following ingest actions
    - data becomes "public" when the release date expires

- ✓ privileges determine the visibility of data

- metadata is always visible for all users, including anonymous
    - URLs of "private" data are visible only for project members
    - URLs of "public" data are visible registered users
    - the visibility of the URL determines whether a file can be staged

# Long Term Archive UI



- Updates:

- search functionality
- show derived products
- data product filtering

# Long Term Archive UI

## search functionality

## derived dataproducts

## filtering



### 1. query on observations

**Classes to Query**

- Observation
- Averaging Pipeline
- Calibration Pipeline
- Imaging Pipeline
- Pulsar Pipeline

**Pointing**

Object  [resolve](#)

Reference  J2000  B1950

System  SUN  JUPITER

---

Units  rad  deg  hex

RA

DEC

---

Units  rad  deg  min  sec

Radius

### 2. select and show pipelines

**Observation 1 to 100 (showing 100 of total 1003)** ▾

[edit columns](#) | 
 [stage selected](#) | 
 [show dataproducts](#) | 
 [show pipelines](#)

[first](#) | 
 [previous](#) | 
 [1](#) | 
 [2](#) | 
 [3](#) | 
 [4](#) | 
 [5](#) | 
 [6](#) | 
 [7](#) | 
 [8](#) | 
 [9](#) | 
 [10](#) | 
 [11](#) | 
 [next](#) | 
 [last](#)

#	<input type="checkbox"/>	Project	Release Date	Creator	Privileges	Observation Id	Observation Id Source	Process Identifier	Process Identifier Name	Process Identifier Source	Observing Mode	
1	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	255159	SAS	452752	LBS1218/3C295/1/CO	MoM	Beam Observation	LBS:
2	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	255155	SAS	452627	LBS1218/3C295/1/CO	MoM	Beam Observation	LBS:
3	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	255151	SAS	452502	LBS1218/3C295/1/CO	MoM	Beam Observation	LBS:
4	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	255147	SAS	452377	LBS1218/3C295/1/CO	MoM	Beam Observation	LBS:
5	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	255143	SAS	452252	LBS1218/3C295/1/CO	MoM	Beam Observation	LBS:

# Long Term Archive UI

## search functionality

## derived dataproducts

## filtering



### 3. select and show data products

**Averaging Pipeline (total 60) ▾**

edit columns | stage selected | **show dataproducts**

#	<input checked="" type="checkbox"/>	Project	Release Date	Pipeline Name	Pipeline Version	Observation Id	Process Identifier	Frequency Integration Step	Time Integration Step	Flag Auto Correlations	Strategy Name	Strategy Description	Demixing	Number Of Correlated DataProducts	Start Time	Duration [s]
1	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J163135+4418	n/a	256251	452749	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 06:00:03	90
2	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J162546+3640	n/a	256247	452747	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:48:02	90
3	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J145503+3557	n/a	256243	452745	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:42:02	90
4	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J162557+4134	n/a	256239	452743	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:30:02	10
5	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J145843+3543	n/a	256235	452741	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:18:03	10
6	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J145651+3633	n/a	256231	452739	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:12:02	90
7	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J162111+3746	n/a	256227	452737	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:06:02	90
8	<input checked="" type="checkbox"/>	LC3_007	2016-05-15 00:00:00	LBS1218/J161821+3632	n/a	256223	452735	16	2	1	Preprocessing LB	Shift phase + station adding	1	16	2014-12-19 05:00:03	90

### 4. filter dataproducts

**Interferometric Data (total 960) ▾**

edit columns | **filter dataproducts**

#	<input type="checkbox"/>	Project	Release Date	Creator	Privileges	DataProduct Identifier	Target Name	Right Ascension [degrees]	Declination [degrees]	Central Frequency [MHz]	Channel Width [Hz]	Channels Per Subband	Integration Interval [s]	Start Time	Duration [s]	End Time	SubA Point Ident
1	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	13806487	J163135+441841	247.8963	44.3114	141.2109	48828.125000	4	2.00278	2014-12-18 09:04:00	180.0	2014-12-18 09:07:00	452
2	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	13806488	J163135+441841	247.8963	44.3114	141.4062	48828.125000	4	2.00278	2014-12-18 09:04:00	180.0	2014-12-18 09:07:00	452
3	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	13806489	J163135+441841	247.8963	44.3114	141.6016	48828.125000	4	2.00278	2014-12-18 09:04:00	180.0	2014-12-18 09:07:00	452
4	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	13806486	J163135+441841	247.8963	44.3114	141.0156	48828.125000	4	2.00278	2014-12-18 09:04:00	180.0	2014-12-18 09:07:00	452
5	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	13806485	J163135+441841	247.8963	44.3114	140.8203	48828.125000	4	2.00278	2014-12-18 09:04:00	180.0	2014-12-18 09:07:00	452
6	<input type="checkbox"/>	LC3_007	2016-05-15 00:00:00	AWTIERO	4	13806478	J163135+441841	247.8963	44.3114	139.4531	48828.125000	4	2.00278	2014-12-18 09:04:00	180.0	2014-12-18 09:07:00	452

<b>Station Subband</b>	<input type="text"/>
<b>Beam Number</b>	<input type="text"/>
<b>Observing Frequency</b>	From <input type="text" value="140"/> To <input type="text" value="141"/> [10-250 MHz]
<b>Maximum Number of Rows</b>	<input type="text" value="1000"/>
<input type="button" value="Filter"/>	

- timeline:
  - metadata visible from January 2015
  - first public data available on March 1, 2015
- questions?
  - \* [sciencesupport@astron.nl](mailto:sciencesupport@astron.nl)