

Northstar update 10-7-2013

ASTRON

Netherlands Institute for Radio Astronomy

◆ Northstar mid-July 2013

-cycle 1

-ddt

-envelope sheets

◆ Background for changes:

-complete summary for technical assessment/feasibility

-take load off from science support

*observations are easily prepared from the
information available in Northstar*

Northstar update 9-7-2013

ASTRON

Netherlands Institute for Radio Astronomy

Welcome at LOFAR APP's ASTRON

Username:

Password:

lofar.astron.nl/proposal

My Account
Proposal review
Help Index
Send Questions/Problems
Logout

Welcome to the Northstar tool for LOFAR proposals.

The tool is now available for preparation and submission of LOFAR proposals for the Supplemental call for Director's Discretionary Time (DDT0), intended only for established Cycle 0 observers.

The tool is expected to open up for the preparation and submission of Cycle 1 proposals, open to the worldwide community, on July 15.

Submission deadlines:

DDT0 (covering September to November 14, 2013): **July 31, 12 UT**
LC1 (covering November 15 to May 14, 2014): **September 6, 12 UT**

NOTE: Clarification for Justification file

DDT0:
 Single pdf of maximum 4 pages in 11 pt font or larger, including the science and technical justification and any desired figures and tables.

LC1:
 Single pdf of maximum 4 to 8 pages, depending on the amount of proposed time, in 11 pt font or larger, including the science and technical justification and any desired figures and tables.

Additional information can be found online in the proposal call.

Links:
[Call for DDT Proposals](#)
[Call for Cycle 1 Proposals](#)
[FAQ & Known Issues](#)
[Walkthrough manual of NorthStar \[PDF\]](#)

Show reviewed proposals : Yes No

Proj_ID	PI	Title	Community	Category	Status	Options
<i>LOFAR telescope Proposals</i>						
DDT0_TEST001	Frieswijk	Test	LOFAR community	ddt	under review	Copy View
	Oonk	Copy of LOFAR Galactic Radi...	LOFAR community	regular	in preparation	Edit Copy View
LRA12A001	Frieswijk	Just a test from science su...	LOFAR community	reserved_access	in preparation	Edit Copy Delete Submit View

Choose the category:
ddt, envelope sheet, regular



Prepare proposal

facility : **LOFAR telescope**
 Community : **LOFAR community**
 Choose category : **regular** *
 Period : **TEST_LC1**

Deadline: 16 September 2013 00:00:00 UTC



[? Help Index](#)

Community : **LOFAR community**
 Category : **regular**
 Period : **TEST_LC1**

[Applicants](#) | [Justification](#) | [Observing Request](#) | [target list](#) | [Additional issues](#)

[? Help](#)

Active Participant	contact author	PI	name	affiliation	country	email	potential observer
yes	<input type="radio"/>	<input type="radio"/>	Dr Wilfred Frieswijk	Astron	The Netherlands	frieswijk@astron.nl	<input type="checkbox"/>

Add applicant

Quit without saving

Justification file: upload pdf & envelope sheet



- Applicants
- Justification
- Observing Request
- target list
- Additional issues

Title (Max characters:150) : (Characters entered: 12)*

Abstract (Max words:180) : (Words entered: 2)*

[? Justification File\(s\):
Instructions for preparation](#)

Envelope sheet :

First Justification File : [template.pdf](#) (13 KB) *
uploaded2013/07/09 14:08 UTC

Upload justification file

[? Instructions for preparation](#) [? Help](#)

! Note: Only one pdf file is allowed. Follow the "Instructions for preparation" link on the top of the screen to prepare the pdf and keep the number of pages within the limits of what is allowed for the specific call.

Upload Scientific Justification File :

Additional issues: students, publications, other remarks



- Applicants
- Justification
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Information about all Students involved

student	level	applicant	supervisor	applicant	expected completion date	data required	
Dr Wilfred Frieswijk	Pre-university	Yes	RS	No	2014/12	Yes	Edit Delete

add new student

Related publications : Yes No

Add publications (Max 8) :
place each publication on a new line,
the following information has to be given:
Author List, Title of Paper and Journal Reference

Additional Remarks :

Observing requests: telescope/pipeline configurations

step 1



- Applicants
- Justification
- Observing Request
- target list
- Additional issues

Id	Targets	Runs	Telescope	Mode	Exposure (Mins)	Storage			
A	0 targets	0 runs	LOFAR	Beam Observation	0	0.0	Edit	Copy	Delete
B	0 targets	0 runs	LOFAR	Interferometer	0	0.0	Edit	Copy	Delete
C	0 targets	0 runs	LOFAR	TBB	0	0.0	Edit	Copy	Delete

Specify a new observation

Id	Targets	Telescope	Mode	av time	av freq	demixing	Storage			
A	0 targets	LOFAR	Pre processing only	10.0	64.0	Y	0.0	Edit	Copy	Delete
B	0 targets	LOFAR	Calibration	5.0	64.0	N	0.0	Edit	Copy	Delete
C	0 targets	LOFAR	Calibration + imaging	16.0	5.0	Y	0.0	Edit	Copy	Delete

Specify a new Pipeline :

LOFAR

Time specified for targets (in minutes):
Total 0

Hours requested this period (incl. cal. and o/heads) :
Total

Storage specified: 0.00 GB
Long term storage requested in gigabytes (10⁹ bytes):
Total

Night time required :

Other scheduling details :

Observing requests: telescope/pipeline configurations



step 1

- Applicants
- Justification
- Observing Request
- target list
- Additional issues

Telescope : LOFAR

Choose an observing mode : **Interferometer** *

Choose stations : **-- None Specified --** *

Choose clock : **200 MHz** *

Choose antenna : **-- None Specified --** *

Choose filter : **-- None Specified --** *

Integration time: (seconds) : *

Channels per subband : 1 16 32 64 128 256 512 *

Required noise level (Jy) :

Keep raw observation data : Yes No

Processing mode: **Pre processing only** *

Flagging strategy : **default** *

Averaging time steps: [steps] *

Averaging freq. steps : [steps] *

Demixing ? Yes No

Demixing time steps : [steps] *

Demixing freq. steps : [steps] *

Demixing sources : *

CygA

CasA

TauA

VirA

HerA

HydA

No imaging selected in processing mode

Subbands per image : [int] *

Field of view : [deg] *

Target list: manual or upload



step 2

- Applicants
- Justification
- Observing Request
- target list
- Additional issues

Targets :

Field	RA	Dec	Epoch	Exposure (min.)	Subbands	Calibr.	Run#	Obs.	Pipe.	Comments
GAL 111.80+00.58	23:16:11.69	+61:23:50.3	J2000	720	77..320		1	A	A	
3c48	01:37:41.30	+33:09:35.1	J2000		77..320	Y	1	A	B	
GAL 111.80+00.58	23:16:11.69	+61:23:50.3	J2000	600	120..420		2	B	C	
3c123	04:37:04.38	+29:40:13.8	J2000	10	100..200	Y	3	B		

Edit Target :

Calibration beam? : Yes No

Field name : GAL 111.80+00.58 * Get RA & Dec from Simbad NB: proposers should check coordinates

RightAscension : 23:16:11.69 hh:mm[:ss.ss] *

Declination : +61:23:50.3 [+|-]dd:mm[:ss.s] *

Epoch : J2000

Flux density (Jy) : Reference frequency (MHz) :

Spectral index α ($S(v) \propto v^{-\alpha}$) :

Specify subbandlist manually? : Yes No

Central frequency :

Bandwidth :

Subband list : 77..320

Run# : 1

Exposure time in minutes : 720

Select observation : A

Select processing pipeline : A

Comments :

Commit to list of targets Clear target form Upload a target list Delete all targets

Final words



save often and submit

A horizontal row of four buttons: 'Save and Continue' (with a floppy disk icon), 'Save and Preview' (with a document icon), 'Save and Exit' (with a floppy disk icon and a right-pointing arrow), and 'Save and Submit' (with an envelope icon).

Show reviewed proposals : Yes No

Proj_ID	PI	Title	Community	Category	Status	Options				
<i>LOFAR telescope Proposals</i>										
	Frieswijk	Just a title	LOFAR community	regular	in preparation	Edit	Copy	Delete	Submit	View
t13b002	Frieswijk	-submitted state- Test 07-0...	LOFAR community	envelope_sheet	submitted		Copy		Retract	View

Northstar for Cycle 1 will open up next week