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### **Deliverable D16.3**

**Providing access of 202,8 hours to the  
LOFAR infrastructure**

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(ILT), the Netherlands

## 1 Document information

Document name: Providing access of 283 hours to the TNA LOFAR in the period 01/07/2014 – 11/12/2015

Type Other

WP 16 (LOFAR)

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### 1.1 Dissemination Level

Dissemination Level		
<b>PU</b>	Public	X
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	

**1.2 Content**

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## 2 TNA – LOFAR deliverable

### 2.1 Information about the TNA – LOFAR

The Low Frequency Array (LOFAR) is the most powerful radio telescope operating at low frequencies, 10–240 MHz, for studies ranging from the Sun to the early universe, with a sensitivity order of magnitudes better than previous telescopes. LOFAR is an array of 38 antenna stations in the Netherlands and currently 12 stations in France, Germany, Poland, Sweden, and the United Kingdom. All stations are connected by fibre to the high-performance central data processing and archive facilities in Groningen, The Netherlands and further distributed systems. Dedicated LOFAR software has been developed to process and analyse the data for specific astronomical applications.

The International LOFAR Telescope (ILT) a foundation under Netherlands is the access provider for LOFAR.

Observing proposals are submitted via a dedicated version of the web-based tool NorthStar with support scientists and software engineers at hand in the time leading to the submission deadline to provide expert information to proposers. The ILT Programme Committee (PC) members then grade each proposal on its scientific merit, and its technical feasibility and in a face-to-face meeting.

During this reporting period, observations of the three LOFAR operational cycles took place (LC2, LC3 and LC4). LOFAR operational cycles last 6 months each (proposals in May and September each year, for observations in the Nov 15-May 14 and May 15-Nov 14 semesters, respectively).

### 2.2 Report on access in the period 01/07/2014 – 15/12/2015

The table below offers information on the TNA projects during the 3<sup>rd</sup> reporting period.

Project Acronym	Name (Institute, Country) of the TNA user group leader	Number of eligible TNA users	Provided Access (Hours)
LC2_018	P. Zarka (LESIA-CNRS, Paris Observatory, France)	9	32
LC2_033	J. Magdalenic (Royal Observatory of Belgium)	12	16
LC2_037	B, Burningham (University of Hertfordshire, UK)	8	25.5
LC3_007	Neal Jackson (University of Manchester, UK)	6	0
LC3_009	E. OGorman (Chalmers University of Technology, Sweden)	5	32
LC3_012	E. Kontar (University of Glasgow, UK)	11	32
LC3_020	Mr. Hayden Rampadarath (University of Southampton, UK)	5	9
LC3_022	Jess Broederik (University of Oxford, UK)	4	72
LC3_027	J. Truedstedt (University of Wuerzburg, Germany)	79	18
LC4_015	Emily Freeland (Stockholm University, Sweden)	4	16
LC4_020	M. Hoefft (Thüringer Landessternwarte Tautenburg, Germany)	7	10.5
LC4_028	V. Heesen (University of Southampton, UK)	3	20
Total: 12		Total: 153	Total: 283

A total of 12 projects with 153 users have been offered TNA support and were provided with a total of 283 hours for the 3<sup>rd</sup> reporting period.

The detailed information about the committee providing access, projects and selection will be given in the TNA database of the 3<sup>rd</sup> periodic report.

## **2.3 Information about the EC financial contribution to the travel**

During this reporting period, TNA travel funds were used to award one TNA user – Mr. Neal Jackson (University of Manchester, UK) to visit to ASTRON, to analyse data from the project LC3\_007. The data was based on earlier observations. In this period he has travel to ATSRON for the processing of the observations only. Therefore that project is listed in the table of the Sec 2.2. with 0 access hours.

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