

# Onsala Space Observatory

## Observational support unit

← LOFAR 10-240MHz

← 20m telescope  
2-115GHz

Daniel Tafoya  
Poster #360

**Onsala Space Observatory**  
Daniel Tafoya, on behalf of the Observational Support Unit

The observational support unit at the Onsala Space Observatory provides a wide variety of support and services to astronomers, foremost in the Nordic countries, in order to facilitate their use of world leading radio astronomy telescopes in their research.

**sweSRC**  
The Sweden SKA Regional Centre primary goal is to develop and deploy Sweden's share of inter-connected data storage and compute resources to the global SRCNet project which will provide the data archive and second tier processing layer for SKA data delivery to its users.

**Nordic ARC node**  
The mission of the Nordic ARC node is to provide full user support for ALMA users in the Nordic and Baltic countries, from proposal development and submission, to data reduction and analysis. The ultimate goals are to help and encourage the community to make the best use of ALMA. ARC node services include e.g. face-to-face support for proposal preparation, observing setups, projects status follow-up, data reduction (CASA software), and access to archives.

**VLBI**  
The Onsala Space Observatory operates the 20 m and 25 m radio telescopes for a broad range of radio astronomy and VLBI observations. The telescopes are primarily used for millimeter/centimeter-wave VLBI. The observatory provides user support by carrying out observations for the scientific community and supporting telescope operations and observing programs.

**LOFAR**  
The Swedish LOFAR station is located at Onsala Space Observatory and is one of 14 international LOFAR stations distributed across Europe. Onsala contributes to LOFAR scientific operations by supporting observations, maintaining station activities, and assisting the user community in the execution of observing programs.

**CIORA**  
The Onsala Space Observatory provides computing and storage resources through the Compute Infrastructure at Onsala for Radio Astronomy (CIORA), supporting research in radio and mm/submm astronomy, including ALMA, VLBI, LOFAR, SKA pathfinders, and other interferometric observations. The infrastructure offers virtual machines with customizable CPU, RAM, storage, and GPU resources, together with user support for project applications, software environments, and data management for the scientific community.

↑  
25m telescope  
1-7GHz

