

46th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –
The Next Steps (A4)
SETI 1: SETI Science and Technology (1)

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SETI ACTIVITIES IN SARDINIA: STATUS AND ONGOING DEVELOPMENT

Abstract

The Astronomical Observatory of Cagliari (OAC) is part of the Italian National Institute for Astrophysics (INAF). OAC is located in Sardinia, an island that hosts one of the biggest European single-dish radio telescope: the 64-m Sardinia Radio Telescope (SRT). After completion of the technical and scientific commissioning, an early science program of regular observations was fruitfully run at SRT during 2016.

In this paper we discuss the main SETI activities that are being carried out at INAF-OAC. In particular, we present the various detection algorithms (FFT, KLT, Wavelet) under development, the perspectives for the use of a Phased Array Feed for future SETI programs at SRT and, finally, the SETI team who is growing at OAC.