

48th IAA SYMPOSIUM ON THE SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) –
The Next Steps (A4)
SETI 1: SETI Science and Technology (1)

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INVOLVEMENT OF THE SARDINIA RADIO TELESCOPE IN THE BREAKTHROUGH LISTEN INITIATIVES: FIRST RESULTS AND ONGOING ACTIVITIES

Abstract

The Sardinia Radio Telescope (SRT) is a 64-m, fully-steerable antenna that, after technical and scientific commissioning, as well as an early science program (2016), is now offered as a scientific facility to the international community since December 2018. In the framework of a collaboration with UC Berkeley, SRT has been recently equipped with a hardware/software instrument (able to manage baseband data) similar to the ones currently used at telescopes that are fully involved (20 percent of the telescope time) in the Breakthrough Listen (BL) Initiatives: Green Bank Telescope and Parkes Telescope. In this paper, we describe the installation, commissioning, first light and first results of the aforementioned platform performed by BL and the SRT SETI team during 2019 in Sardinia.