

Lessons Learned and Strategies for the Search for Extraterrestrial Intelligence Using Interferometry at the Allen Telescope Array

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The Allen Telescope Array is an interferometer radio telescope in Northern California that for the past decade has scanned the sky for evidence of artificial radio emissions from extraterrestrial civilizations. In this presentation we consider the hundreds of millions of terrestrial signals identified by the ATA over this time and make projections for impairments of doing SETI with greater sensitivity at the ATA and elsewhere. We describe recent advances toward performing SETI using imaging correlators to take full advantage of the interferometer capabilities of the ATA and compare with results from conventional SETI observations.