CSIRO Astronomy Space Science (CSIRO Astronomy Space Science, postdoc)

Presentation Requested: poster
Category: Other
Question: Other

First results from the Australia SKA Pathfinder (ASKAP)

We introduce ASKAP, the newest world-class radio telescope operated by CSIRO as part of the Australia Telescope National Facility (ATNF), and an SKA precursor instrument. ASKAP will be a fast survey instrument with a wide field of view of 30 square degrees at 1.4 GHz, provided by the new chequerboard phased-array feed receivers. This poster presents first results based on early commissioning images, including a 9-beam continuum image of a test field with several hundred sources detected, and an 11-hour spectral observation of NGC253 with 18 kHz resolution at 1.4 GHz.