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Status of ALMA Project and Wideband Sensitivity Upgrade

The Atacama Large Millimeter/submillimeter Array (ALMA) has been providing continuous observations since 2011. To date, ALMA has carried out nearly 5,000 observing projects, contributing to more than 4,000 journal papers. This report presents an update on the current status of ALMA, with a particular focus on Taiwan's participation in the project and the role of the ALMA Regional Center (ARC) Taiwan node. Additionally, we will discuss the ALMA development roadmap, which was released in 2018 to guide future upgrades. A key initiative, the ALMA2030 Wideband Sensitivity Upgrade (WSU), aims to at least double ALMA's observing bandwidth, significantly enhancing its capabilities. We will provide a brief overview of the progress and current status of this upgrade.

Section

Facility Program

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