

## V123b Update on ALMA Operations - Fall 2024

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In this presentation, an update on ALMA operations since the previous ASJ meeting in March 2024 will be given. Data acquisition and data delivery have largely progressed well in Cycle 10, where observations began in October 2023. The new ACA spectrometer, developed in the East Asia development project is working without issues. The Band 1 receivers, also developed in East Asia, started to be used for PI science observations in March 2024 for some observing modes. The automatic data delivery has been implemented during Cycle 10 step-by-step, with data being delivered without human intervention. Towards the next Cycle 11, the Call for Proposals opened on 21 March 2024 as scheduled and closed on 25 April. The new observing capabilities will be offered for Cycle 11, including full polarization on the 12-m Array and Stokes I on the 7-m Array in Band 1, and high-frequency and long-baseline up to Band 10 in C-10 configuration, i.e., the combination of the highest frequency and the longest antenna baseline of ALMA. Total 1712 proposals were submitted by the proposal deadline, and the amount of requested observing time for the 12-m Array continues to increase steadily: 31,610 hours stands as the most time ever requested in a single cycle. Since the preparations for the Wideband Sensitivity Upgrade (WSU) implementation have begun also in the areas of the science operations and software in addition to the relevant hardware, managing both operations for ongoing observations and the WSU has been a major challenge in ALMA.