

V101a Update on ALMA Operations and Development Program - Spring 2020

A. Gonzalez, M. Fukagawa, D. Iono, T. Minamidani, G. Kosugi, Y. Uzawa, T. Kojima, K. Kikuchi, M. Hiramatsu, S. Asayama (NAOJ), and the ALMA Project team

In this presentation, we will offer an update on ALMA Operations and Development Program.

Operations: Cycle 7 observations started in early October 2019, just after the end of Cycle 6. This time, apart from 4300h of observing time offered through the Main Call for Proposals in April, around 2500h of additional ACA stand-alone observation time have been offered through a Supplemental Call. The Cycle 7 Supplemental Call has implemented a new Distributed Proposal Review method for the first time. The targets for data delivery will continue to be to deliver 90% of pipelined data within 30 days of observations. In terms of published papers, the number of publications is now over 1650.

Development: NAOJ is collaborating in the development of receivers for bands 1 (led by ASIAA) and 2 (led by ESO), and the ACA spectrometer (led by KASI) apart from initial studies in hardware and software. The Band 1 MRR meeting was held in Nov. 12-13 and the ACA spectrometer CDMR in Dec. 3-5. These were the final milestones towards the start of integration of the instruments in ALMA. For band 2 (67-116 GHz), the receiver optics components designed and fabricated by NAOJ have been chosen as the baseline for the receiver towards the CDR. In terms of studies, highlights are in wideband receivers and new band 10 mixers.

Future Planning: Planning for the implementation of the ALMA Development Roadmap continues. A Digitizers/Backend/DTS workshop will be held in Mitaka on March 11-13 2020 as part of this planning.