

第 1 回 ALMA 科学諮問委員会 議事概要

Date and time : September 14, 2020 9:00 - 12:00

This meeting was held online.

Attendees: Akio Inoue, Kotaro Kohno, Munetake Momose, Kazuhito Motogi, Toshikazu Ohnishi, Tomoharu Oka, Hideo Sagawa, Nami Sakai, Hiroko Shinnaga, John Silverman, Kengo Tachihara

Ex officio: Misato Fukagawa, Alvaro Gonzalez, Daisuke Iono, Ken Tatematsu

Agenda:

JSAC agenda (9:00-10:30 JST)

1. New members, JSAC charge, community input to JSAC composition, Users' meeting
2. Project (ALMA/45m/ASTE) report and EAARC topics

EASAC agenda (10:30-12:00 Japan and Korea, 9:30-11:00 Taiwan)

1. ALMA report
 2. EA issues, preparation for ASAC
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1. K. Kohno introduced the new JSAC members, John Silverman (IPMU, University of Tokyo) and Kazuhito Motogi (Yamaguchi University). The JSAC charges will be distributed to the JSAC members when they become available.
 2. D. Iono explained how the JSAC members were selected for this term, and proposed ways to make the process more transparent and visible to the community. From the next JSAC nomination, which will occur in 2022, the JSAC chair will initiate the process to obtain a pool of candidates from the radio community by contacting the Japan Radio Astronomy Forum (Udenkon) Chair. The JSAC chair will notify the Udenkon chair the necessary requirements for JSAC composition. JSAC will discuss separately and possibly add candidates from other communities if deemed appropriate. NAOJ will then receive the compiled list of recommendations from the JSAC chair, and generate the final list by taking into account several considerations such as expertise, future representation in ASAC, diversity, etc. This list is then submitted to the NAOJ top management for their consideration.
 3. D. Iono proposed two candidate dates for the 2020 ALMA/45m/ASTE Users' Meeting. It was noted that one of the proposed dates (Dec 23-25) is in conflict with the Rironkon symposium. JSAC prefers the 1st week of January, 2021. NAOJ will reconsider the dates, and propose new dates to the JSAC.
 4. A. Gonzalez presented a brief report on the Japanese aspects of the ALMA project (full report is given at the EASAC). Management changes at the ALMA project and NAOJ Chile were reported. The workshop "The ALMA 2030 Vision: Design considerations for Digitizers, Backend and Data Transmission System" will be held on Oct 14-16, ALMA grant symposium will be held later this year, and the call for ALMA workshop 2020b is planned in Oct-Nov 2020. Staff members at NAOJ ALMA are mostly on telework for the time being.
 5. M. Fukagawa gave an update on EA-ARC. Publication support (formerly called PI support) was announced to the community. EA-ARC is currently accepting requests for virtual f2f support for those who require assistance on the reduction and analysis of existing data. In addition, EA-ARC is accepting requests for calibrated measurement sets for data taken during early cycles. EA-ARC plans to hold an online data reduction tutorial session.
 6. K. Tatematsu gave the NRO report, and a draft proposal for telescope operation beyond March 2022. 1700 hours will be allocated for open-use (regular and large) and Guaranteed Time Observations (GTO) in the 2020-2021 season. The deadline for the call for proposals was on September 1st, 2020, and NRO received 25 proposals including 5 proposals from the international community. Time allocation committee will be held on October 7th, and open-use will start on December 1st. It will end on April 23, 2021. In addition, a proposal to require 10,000Y/hr (for researchers in Japanese institutes) and 30,000Y/hr (for researchers outside Japan) for observation time beyond March 2022 was presented.
 7. A. Gonzalez gave a report on ASTE on behalf of the ASTE manager. The recent status of the telescope and supporting infrastructure were given. Open use for ASTE 2020 was cancelled due to COVID19, and the accepted proposals for 2020a will be carried over to the next season. Personnel changes were reported.

EASAC telecon

(JSAC attendees) + Jongsoo Kim, Patrick Koch, Aeree Chung, Ya-Wen Tang, Wei-Hao Wang, Aran Ryo.

1. A. Gonzalez gave the ALMA project report. The start of Cycle 7 was smooth, and good observation efficiency was achieved in Nov/Dec 2019. The Feb 2020 shutdown was successful, and ALMA resumed observations in the last week of Feb, 2020. However, the observatory was shut down in March 22, 2020 due to the worsening COVID-19 situation. The projects remaining in the Observing Queue will be observed until the end of September 2021. Cycle 8 will start in October 2021. JAO and the executives are holding regular reviews in order to determine the timing of the restart of observations. Publication statistics remains good at ~ 1 paper/day on average. Progress of the EA development studies and projects were reported.
2. An issue with the CASA single dish task was reported by M. Fukagawa. Inaccurate antenna position due to the CASA task is the root cause of this problem. Most of the projects are unaffected, but those that are affected can suffer flux anomalies which can be as large as 10%. About 3% of TP observations have been impacted by this issue. The PIs who are potentially affected by this problem are notified. The knowledgebase article on the issue and the workaround has been published at the ALMA Helpdesk. QA3 process will begin using the updated CASA in October 2020.