

# SAC Report

**Tomoki Morokuma** (SAC chair) on behalf of Subaru SAC  
Astronomy Research Center (ARC), Chiba Institute of Technology

- SAC is discussing scientific operations of Subaru telescope to maximize its scientific outputs.
- Please feel free to talk to SAC members for suggestions, thoughts, or anything relevant to SAC.
- Minutes etc. (only in Japanese)
  - SAC meeting NEWSLETTER circulated to gopira ML
  - SAC meeting MINUTES available on Subaru website

# Committee Members (2024.9-2026.8)

## SAC Member

INOUE, Akio (Waseda U.)

IONO, Daisuke (NAOJ)

KAWABATA, Koji (Hiroshima U.)

KAWAKITA, Hideyo (Kyoto-Sangyo U.)

KOMIYAMA, Yutaka (Hosei U.)

KUBO, Mariko (Kwansei Gakuin U.) **vice-chair**

MATSUOKA, Yoshiki (Ehime U.)

MOROKUMA, Tomoki (Chiba Institute of Technology) **chair**

OASA, Yumiko (Saitama U.)

OGURI, Masamune (Chiba U.)

SATO, Bun'ei (Institute of Science Tokyo)

SHIMONISHI, Takashi (Niigata U.)

TADAKI, Ken-ichi (Hokkai-Gakuen U.)

TOMINAGA, Nozomu (NAOJ)

WADA, Takehiko (NAOJ)

MUTO, Takayuki (Kogakuin U.; from Sep 2025) <== UEMURA, Makoto (Hiroshima U.; until Aug 2025)

**Ex-officio (TAC chair)**

## Observers

MIYAZAKI, Satoshi (Subaru; Director)

HAYANO, Yutaka (Subaru)

PYO, Tae-Soo

<== KAMBE, Eiji (Subaru; until March 2026)

KOYAMA, Yusei (Subaru)

SANDERS, Dave (UH)

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**New SAC members are now being selected.**

**Thank you for your votes through gopira!**

# Major Discussion Items in Subaru SAC since Subaru UM FY2025 (Oct. 2025)

- PFS (**Day 3**)
- Roman-Subaru Synergetic Observations (**Day 1**)
- Rubin/LSST (**Day 3**)
- International Partnership (**Day 2**)
- ToO (incl. ToO Intensive Program) (**Day 2**)
- Subaru 3 (**Day 3**)
- TAC (next talk)
- Discussion w/ TMT-J SAC (**Day 2**)
- SCExAO (**Day 3**)
- Early-career researchers session in Subaru UM (**Day 1**)
- Environment improvement for early-career researchers
- etc.

**Dedicated/related session/talk & discussion time**

# 'Ōnohi'ula Prime Focus Spectrograph (PFS)

- PFS Session (incl. SSP) on Day 3
- **Strategic Survey Program (SSP)**
  - "Cosmic Evolution and the Dark Sector: A PFS SSP for the Subaru Telescope" (360 nights; PI: Hitoshi Murayama)
  - PFS-SSP observations have started from March 2025 (S25A).
  - First-year review by SAC is scheduled to be held in late August.
  - Night allocation to PFS-SSP in S26B
- Instrumental updates: Replacement of one NIR detector, autoguider upgrade...
- **PFS Community Filler (CF) program**
  - Discussed in WG; Tadaki, Muto, Wada, Morokuma (SAC), Onodera, Ishigaki (Subaru)
  - Completion rate has been improved after the observatory fixed the fiber allocation software.
  - CF proposal selection will be changed from DPR to TAC review. (See TAC report)
- **PFS Collaboration Council (CoCo):** # of researchers from the Japanese community

## **Roman-Subaru (Day 1)**

- **100 Subaru nights** will be used for synergetic observations from S27A.
- Three prioritized themes were selected by the Roman-Subaru Steering Group.
- CFP was released (due date: mid. July).
- A cloud-based environment (Roman Research Nexus) will be introduced for high-level analysis of Roman data. Access to computing resources will be managed through a credit-based system.

## **Rubin/LSST (Day 3)**

- Supplemental call for Rubin PI application was issued in Oct. 2025.
- 3 PIs + 3 JAs were selected.

## **International Partnership (Day 2)**

- Hoapili program will be newly adopted.

# ToO (inc. ToO Intensive proposals; Day 2)

- Discussion material is available on the UM website.
- WG: Tominaga, Muto, Sato, Oasa, Morokuma (SAC), Pyo, Koyama (Subaru)
- Discussion in Subaru UM FY2024. ==> reconsider the ToO scheme before introducing the ToO Intensive proposal scheme.
- The WG have discussed many aspects **quantitatively based on the observing records.**
- We are suggesting some **modifications to the current ToO scheme.**
  - x1.5 compensation, TBD nights for ToO-triggered student-PI programs, "rare-ToO"
- ToO trigger duplication from multiple international partners (e.g., time exchange)
  - "ToO coordinator" will be assigned as one of the TAC members.
  - The designated ToO coordinator will encourage collaboration to the proposal groups.

## Subaru 3 (Day 3)

- Workshop (Aug. 2024), Subaru UM FY2024 (Jan. 2025), Workshop #2 (Mar. 2026)
- Other observatories (incl. Keck, Gemini) issued 30-40-page books for their future.
- Anybody welcome to join the subWGs (please contact the WG members)
  - Exoplanets, Nearby galaxies, Galaxy evolution, Cosmology, MMA, Milky Way

# IRD-SSP

- All the observations finishes in S26A.
- A talk by Sato-san on Day 2.

## TAC-related issues (next talk)

- SJ rules (margin etc.), new SJ Latex template
- Intensive PI's devotion
- Whether or not/how to consider life events

## Discussion w/ TMT-J SAC (Day 2)

- SACs discussion (April 2026) led by D. Iono (NAOJ, Subaru SAC) & S. Nishiyama (Miyagi University of Education, TMT-J SAC)
- A survey about TMT(+Subaru) science operation was conducted.

## SCEXAO (Day 3)

- WG: Kawabata, Komiyama, Morokuma (SAC), Miyazaki, Koyama, Hayano, Tamura (Subaru)
- A survey on SCEXAO (and PI-type instruments) was conducted.
  - Thank you for taking the time to respond to the survey.
  - We would like to know **any difficulties/barriers/inconvenience you have experienced**, not whether you think SCEXAO should be a PI instrument or a facility instrument.

# Environment improvement for early-career researchers

- We have the **Early-career researchers session (Day 1)** for the first time.
- Possible harassment incidents were reported to the SAC Chair and others by multiple early-career researchers.
- SAC discussed measures to improve the research environment, in general, for early-career researchers, including:
  - Encouraging large collaborations to adopt a Code of Conduct.
    - UM participants must agree to the NAOJ Code of Conduct.
  - Raising awareness among all researchers.
  - Exploring the establishment of a confidential point of contact for consultation and reporting concerns.

## Miscellaneous

- SAC Minutes have been taken w/ AI softwares, w/o human recording secretary, since Nov. 2025.
  - We appreciate all the minute-takers.
- We will hold Subaru UMs in this season.
  - The largest number of participants (>250) in Subaru UM 2026 !?