



Call for Proposals

This document is also available in [PDF format](#).

Semester S18A: February 1, 2018 -- July 31, 2018

Subaru Telescope, National Astronomical Observatory of Japan

The ProMS server will be shutdown on September 3, 2017 JST (around 2-3AM through 11AM). Please avoid this time period for your submission work and be sure to save your proposal before this shutdown.

Subaru Telescope invites observing proposals for Semester S18A. Since each instrument has its own specific restrictions/conditions, applicants are required to consult the relevant [instrument page](#) when preparing their proposals. Please also refer to [How to Submit via webform](#), [Open Use Policy](#) and [Telescope webpage](#).

Open Use Schedule for S18A

Deadline of Normal/Intensive Program Submission	September 7 (Thu), 2017 12:00 (Noon) in Japan Standard Time (i.e., September 7, 3:00 am in UT)
Deadline of Service/Filler Program Submission	October 5 (Thu), 2017 12:00 (Noon) in Japan Standard Time (i.e., October 5, 3:00 am in UT)
Time Allocation Committee	late October
Notification of selection results	early December

Webform

Webform	the ProMS 2.0 page	Instructions	How to Submit via webform?
-------------------------	------------------------------------	------------------------------	--

Other instructions

Instructions	Open Use Policy , and each instrument page
------------------------------	--

Important Notice for S18A

Australian Time in S18A	In S18A, Subaru Telescope provides Australian researchers with 5 nights using Director's Discretionary Time based on the agreement between NAOJ and AAL. Anyone belonging to institutions in Australia is eligible to submit Australian proposals. Applicants are required to explicitly specify "[AUS Time]" in the title head of the proposal. For more details, please see this .
AAT Time in 2018A for Japanese Researchers	In 2018A, the Anglo-Australian Telescope (AAT) provides Japanese researchers with 2 nights based on the agreement between NAOJ and AAL. For more details on proposal submission (directly to AAT), please see here . The proposal deadline for 2018A is scheduled to be September 15, 2017.
L-band polarimetry with IRCS+AO188	L-band imaging-polarimetry and spectropolarimetry modes will be newly opened from S18A in a shared-risk mode. Please see the "Polarimetry" section of IRCS homepage for more detailed informations.
Status of PI Instrument	In S18A, CHARIS (with SCEXAO+AO188) will be offered for open use observations. VAMPIRES module in SCEXAO is also available for open use. Please note that HiCIAO has been decommissioned.

[News](#)

[Introduction](#)

[Observing](#)

[Instruments](#)

[Proposals](#)

[Call for Proposals](#)

[Policy](#)

[Webform](#)

[How to Submit?](#)

[Subaru/Gemini](#)

[Subaru/Keck](#)

[Intensive Program](#)

[Service Program](#)

[Past Information](#)

[Science](#)

[Gallery](#)

[Schedule](#)

Operation of HSC	There will be at most 5 observing runs of HSC in S18A allocated to dark or dark-gray nights in February through June. See also "Notice for HSC Applicants" section below.
-------------------------	---

Observation-Related Remarks

No-Windscreen Observation Throughout S18A	Due to the incident on April 10, 2017, the windscreen of the Subaru telescope is out of operation in S18A, and thus tracking accuracy of the telescope may be degraded at high winds. Since observations may be interrupted at high winds, backup targets with different azimuth angle should be prepared.
Computer Replacement in Early S18A	Since we plan to replace computers and network equipments sometime in 2018 February (or early March if the schedule is delayed), they will stop in the daytime for one or several days. Although this should not affect nighttime observations according to our replacement plan, a possibility of unforeseeable trouble in the computer/network system can not be excluded. Observers in the early time of S18A semester are therefore asked to bear this risk in mind.

Notice for HSC Applicants

Use of Hyper Suprime-Cam	In S18A, Hyper Suprime-Cam (HSC) will be offered in a shared-risk mode. HSC proposers requesting to observe the same fields as targeted in the HSC SSP (Subaru Strategic Program) are obliged to clarify the reason for doing so (e.g., how the scientific aim is different from that of SSP). Service observations are not available.
Queue Mode Observation of HSC	In S18A, queue mode observation with HSC will be offered for the normal, intensive, and filler programs. Time critical program is possible for this semester. Proposers can request up to 35 hours (= 5 nights) for the normal program and 280 hours (=40 nights) in up to 6 consecutive semesters for the intensive program. The requested time should be total on-source time without including overhead. There is no lower limit for requested observing time, while cadence observations are not allowed. Note that HSC queue mode is not available for the Australian time. Please see HSC queue mode web page for more detailed information.
Classical Mode Observation of HSC	Given that the queue mode is the primary mode of HSC observation, proposers wishing to use the classical observation mode of HSC have to describe why the classical mode is preferred to the queue mode in Entry 13.(Scheduling Requirements). Unless any convincing reason, proposers may be asked if it is possible to change the observation mode from classical to queue.
"No-Additional-Target" Policy for HSC	In S18A, requesting additional targets is not allowed for any HSC observations during the semester. The dead time ("Sukima" time), when there is no planned target on the night sky, will be exploited as effectively as possible depending on the situation (observing priority: 1. observations of standard stars, 2. queue-mode observations for Grade A/B/C, 3. observing user's back-up targets, and 4. queue-mode observations for Grade F).
Set of Hyper Suprime-Cam Filters	Hyper Suprime-Cam users must explicitly describe the filters they intend to use in Entry 16, where the desired set as well as the minimum acceptable set should be clearly specified.

Notice About Nasmyth/Cassegrain Instruments

Notice for HDS Applicants	HDS often has to be combined with the Subaru infrared secondary mirror (with which throughput at 3800\AA is considerably deteriorated), in order to accommodate as many HDS programs as possible. So, if blue or UV regions are crucially needed for your program, it should be explicitly described in Entry 16 (Instrument Requirements).
----------------------------------	---

IRCS Observations	IRCS observations will be conducted always in combination with AO188 optics, regardless of the use of AO correction. Polarimetry mode of IRCS+AO188 has been partially opened for open use in a shared-risk mode. The available modes are <i>Y</i> -, <i>J</i> -, <i>H</i> -, <i>K</i> -, and <i>L</i> -band imaging polarimetry and <i>zJH</i> , <i>HK</i> , and <i>L</i> -band spectropolarimetry modes. Please see the "Polarimetry" section of IRCS page for more detailed information. Grism and Echelle spectroscopy modes of IRCS+AO188 are available in service programs along with imaging. Targets of any spectroscopic modes for service programs must have suitable NGS, or TTGS. Please see the Service program page for more detailed information.
Dark Nights Essentially Due to HSC	Since almost all dark nights will be allocated to Hyper Suprime-Cam, using dark nights with other instruments would be hardly possible.

Notice About Time-Exchange Programs

Time Exchange Programs with Gemini and Keck	According to the inter-observatory time-exchange agreement, we accept proposals of observations with Gemini (North & South) and Keck telescopes, which will be screened by Subaru TAC within the framework of Subaru Call for Proposals. Maximum several nights (for each of Keck I and Keck II) and minimum 5 nights (Gemini) are available in S18A for this purpose. Those who have direct access to Gemini or Keck time must refrain from applying for Gemini/Keck observing time by this program. Please refer to Subaru/Gemini Time Exchange page and Subaru/Keck Time Exchange page for more details.
Application from Gemini/Keck Community	Non-Japanese PIs who wish to use the Subaru Telescope and have access to Gemini or Keck telescope time must apply through the time-exchange program provided by Gemini or Keck. Regarding institutes which entered an MoU with Subaru/NAOJ, however, the agreement in the MoU will be exceptionally applied.
Gemini LLP and Subaru Intensive Program unavailable	In S18A, the application for Subaru Intensive Program and Gemini Large and Long Programs are not available through Subaru-Gemini telescope exchange time. These programs can be applied only in semester B (i.e. once a year) . Subaru Community can apply for Fast Turnaround Programs , in which up to 5 nights per semester are available for researchers belonging to Subaru Community. Their submission deadlines are independent from the deadline of this S18A Call for Proposals

Required Clarification in Proposals

Necessity of MOIRCS Preimaging	MOIRCS/MOS users who need to take the pre-images with MOIRCS should explicitly request it in the "Technical Justification" part. Please check the instrument web page for more details.
Necessity of FOCAS Preimaging	FOCAS/MOS users are required to describe explicitly about the pre-imaging observation with FOCAS in Entry 16 (Instrument Requirements) when it is necessary for their MOS mask design. Please check the instrument web page for details.
Number of MOIRCS/MOS Masks	MOIRCS/MOS users must explicitly describe the required number of masks in Entry 16, where the desired number as well as the minimum acceptable number should be clearly specified.
Moon-affected Unacceptable Dates	When one particular source or several sources whose coordinates are concentrated to a particular sky region are planned to be observed on bright or grey nights, observations may be severely affected by the Moon in some particular nights. In such cases, those inconvenient or unacceptable dates should be explicitly indicated in Entry 13 (Scheduling Requirements).
Service Program Similar to Normal	Service Program applicants are required to clarify whether they have submitted similar Normal/Intensive Program proposals for this semester.

Program	
Target Check in Subaru Archive Data	Applicants are required to check their targets in SMOKA database (Public Data Archive) before submission. If the objects have already been observed by Subaru in the past, the reason why they need to be observed again must be described.

Reminder About Basic Rules

Intensive Program	From S16B, the size of Intensive Program has been expanded up to 40 nights over maximum 6 consecutive semesters (with maximum 20 nights in a semester). From S17B, we accept Intensive Program using HSC not only in the classical mode but also in the queue mode.
Proposals for Unspecified Targets	Proposals in which targets are not specified at the time of proposal submission may be submitted to Normal Program, but not to Service Program.
2nd Choice Instruments	If your science goal could (fully or partly) be achieved by other instruments (of Subaru/Keck/Gemini) instead of your 1st choice instrument, we recommend you to describe such alternative instruments, which may be usable/acceptable to attain your science goal, as 2nd choice instrument(s).
Description of Acceptable Observing Date Range	Even though your preferred observing dates are rather limited, you should make your acceptable date range as wide as possible. Your proposal would be automatically rejected, in case that we cannot find an observing slot for your program in your acceptable range (even if your proposal is above the borderline of acceptance).
"Technical Justification" Entry in Service Proposal form	From S17A, a new entry (Technical Justification) has been arranged in the application form of the service program, in which technical details (such as integration time and so on) should be explained.
Abstract of Accepted Proposals Going to Be Opened	It has been decided that the complete text of the abstract of all the accepted Subaru proposals from S15B semester will be open to the public at the same time of the data release (i.e., when the proprietary period of 18 months has expired).
Unexpected Cancellation	In principle, cancelled observation time due to unexpected telescope/instrumentation failure will not be compensated.
Using PI Instruments	Any proposal using PI instruments must include the relevant instrument PI as a Co-investigator. In principle, the use of each PI instrument at the infrared Nasmyth focus is limited to only one observing run in a semester.
Duplicated Submission Unallowable	An identical proposal of the same science and targets using the same instrument and telescope should not be submitted twice at the same time through different TAC processes. For example, if a proposal using Keck or Gemini was once submitted to Subaru time-exchange program, it should not be applied to the ordinary proposal selection on Keck or Gemini side at the same semester. (And vice versa.)
One Proposal for One Project	Even if you intend to carry out observations by using different Subaru instruments (or even by using different telescopes, such as Subaru+Keck or Subaru+Gemini) for the same scientific project(s), you must describe them only in "one" proposal, because separate submission of two or more proposals belonging to the same project brings about considerable confusion. You can specify several different instruments in Entry 12 (Observing Run) and describe your detailed observing plan of how to use them in Entry 16 (Instrument Requirements) or Entry 15 (Observing Method and Technical Details). Especially, if you want to use two telescopes (Subaru+Gemini or Subaru+Keck) for the same project(s), please summarize your plan in one proposal and select the relevant option in the webform.
Time Allocation Basically One-night Unit	Telescope time allocation (except for queue observations) is basically made in unit of one night, though half night allocation may be exceptionally possible, if a suitable program can be found for the other half night.

Travel Support for Japanese Researchers	NAOJ provides travel support for researchers belonging to Japanese institutions for accepted program observations. It is in principle limited up to 2 researchers belonging to the team (i.e., PI or Co-I of the proposal) for each observing run to Hawaii, and up to 3 researchers including Mitaka remote observations.
Remote Observation	Remote observations from Mitaka Headquarter (remote-M) are allowed for all instruments under the approval of relevant support astronomer. Meanwhile, remote observations conducted from Hilo Base Facility (remote-H) may be allowed for IRCS (NGS mode only), HDS, HSC, and MOIRCS (for experienced observers). Those who wish to perform the observations remotely should check the box in Entry 13 (Scheduling Requirements), though such a request may not necessarily be granted, depending on the instrument status and/or scheduling limitations.