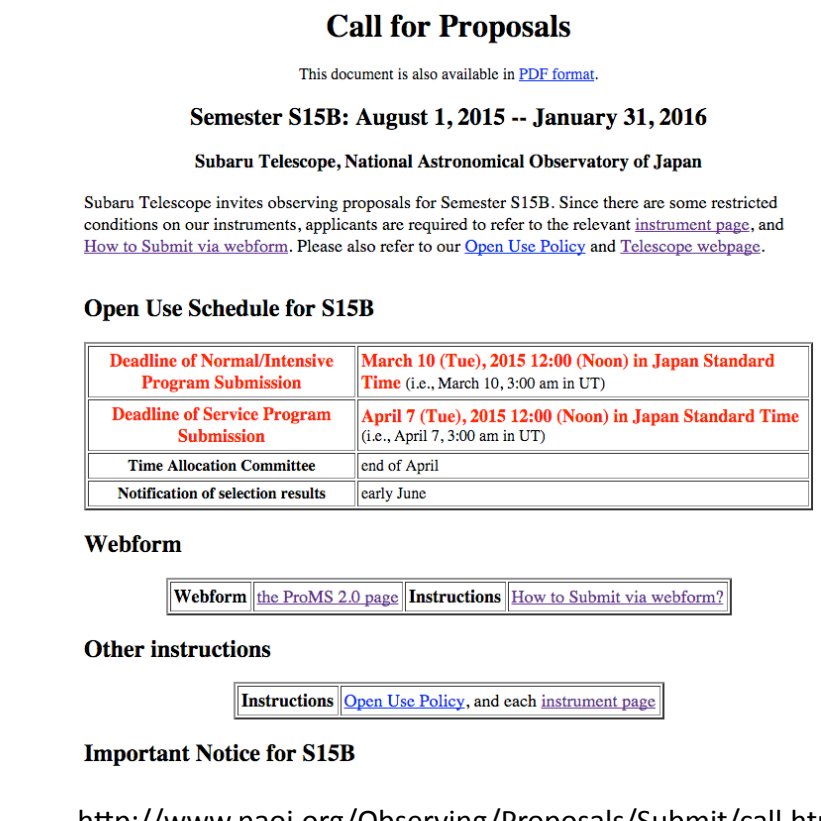
How to Write Proposal (Phase I)
~ ProMS and Policies ~

Tae-Soo Pyo
Subaru Telescope
2015.6.16

ProMS (Proposal Management System)

- Webform for submission of a proposal.
- Create proposal with embedded Latex template.
- Create PDF file for referees' review.



Call for Proposals

This document is also available in PDF format.

Semester S15B: August 1, 2015 -- January 31, 2016

Subaru Telescope, National Astronomical Observatory of Japan

Subaru Telescope invites observing proposals for Semester S15B. Since there are some restricted conditions on our instruments, applicants are required to refer to the relevant instrument page, and How to Submit via webform. Please also refer to our Open Use Policy and Telescope webpage.

Open Use Schedule for S15B

Deadline of Normal/Intensive Program Submission	March 10 (Tue), 2015 12:00 (Noon) in Japan Standard Time (i.e., March 10, 3:00 am in UT)
Deadline of Service Program Submission	April 7 (Tue), 2015 12:00 (Noon) in Japan Standard Time (i.e., April 7, 3:00 am in UT)
Time Allocation Committee	end of April
Notification of selection results	early June

Webform

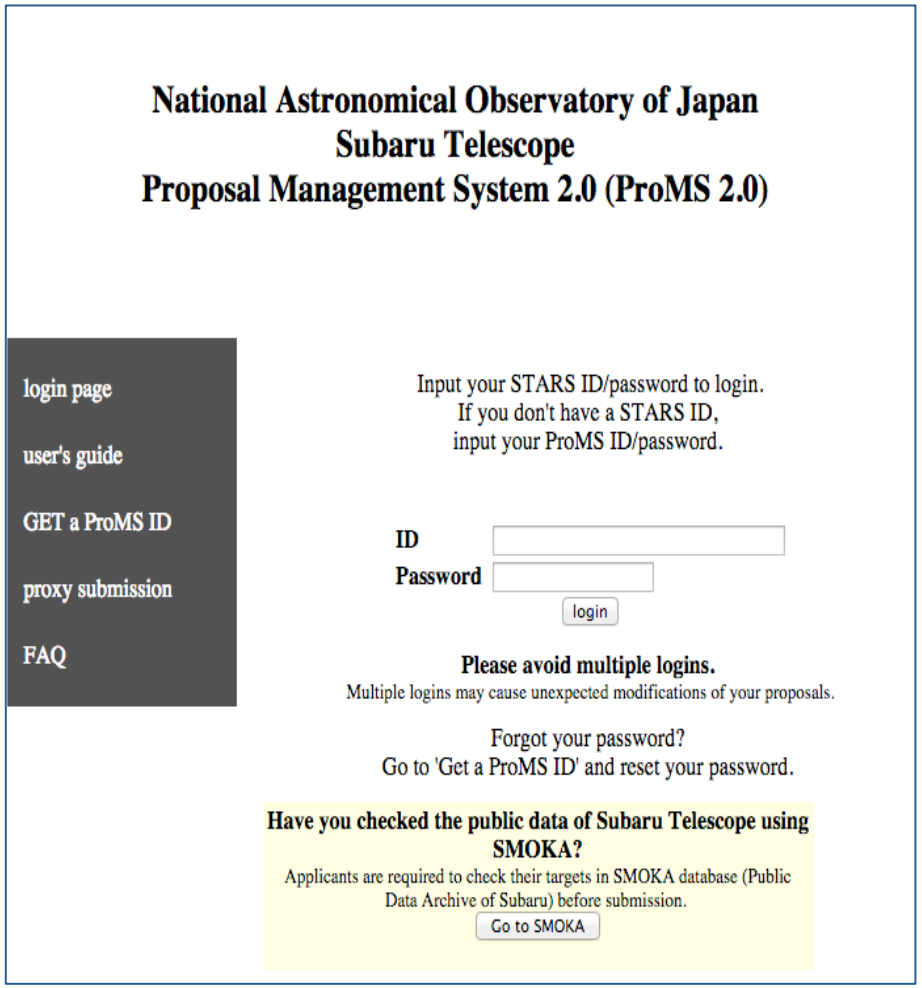
Webform	the ProMS 2.0 page	Instructions	How to Submit via webform?

Other instructions

Instructions	Open Use Policy, and each instrument page

Important Notice for S15B

http://www.naoj.org/Observing/Proposals/Submit/call.html



National Astronomical Observatory of Japan
Subaru Telescope
Proposal Management System 2.0 (ProMS 2.0)

login page
user's guide
GET a ProMS ID
proxy submission
FAQ

Input your STARS ID/password to login.
If you don't have a STARS ID,
input your ProMS ID/password.

ID
Password
login

Please avoid multiple logins.
Multiple logins may cause unexpected modifications of your proposals.

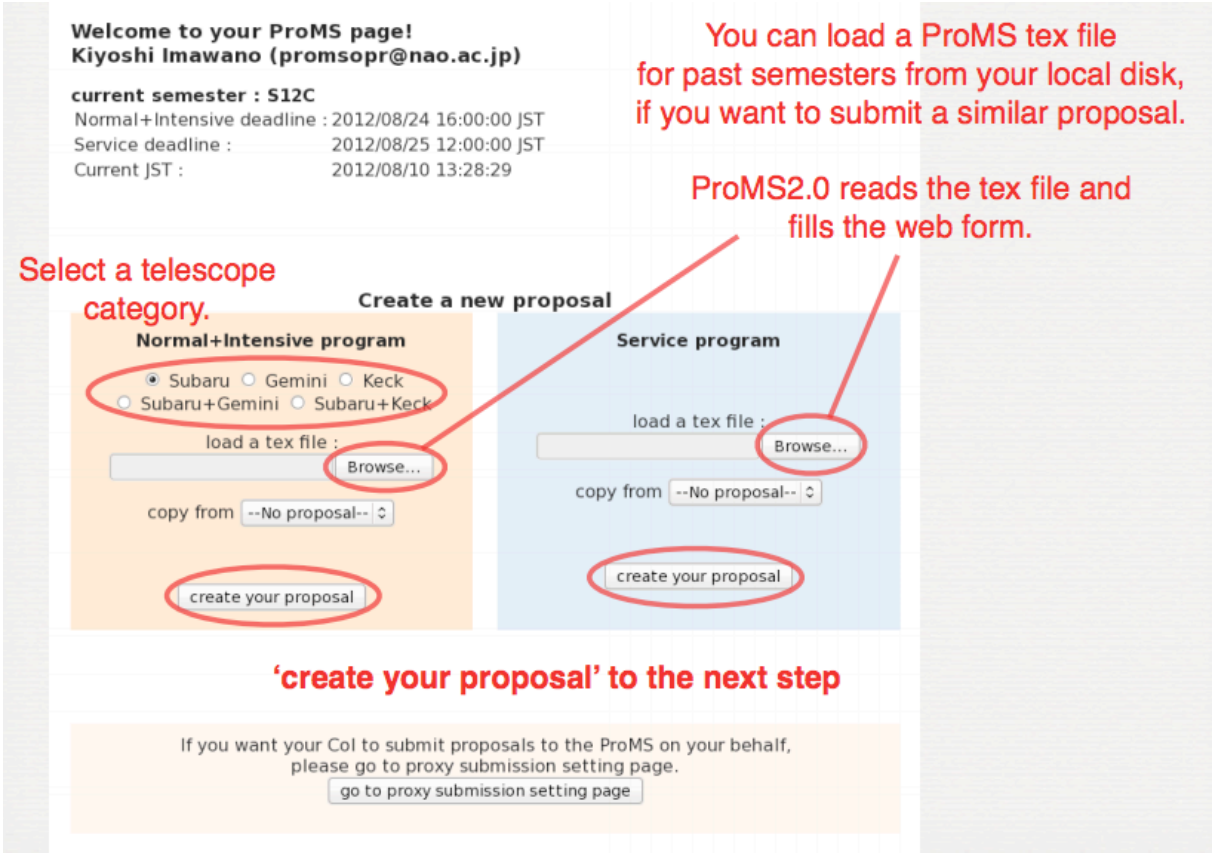
Forgot your password?
Go to 'Get a ProMS ID' and reset your password.

Have you checked the public data of Subaru Telescope using SMOKA?
Applicants are required to check their targets in SMOKA database (Public Data Archive of Subaru) before submission.
Go to SMOKA

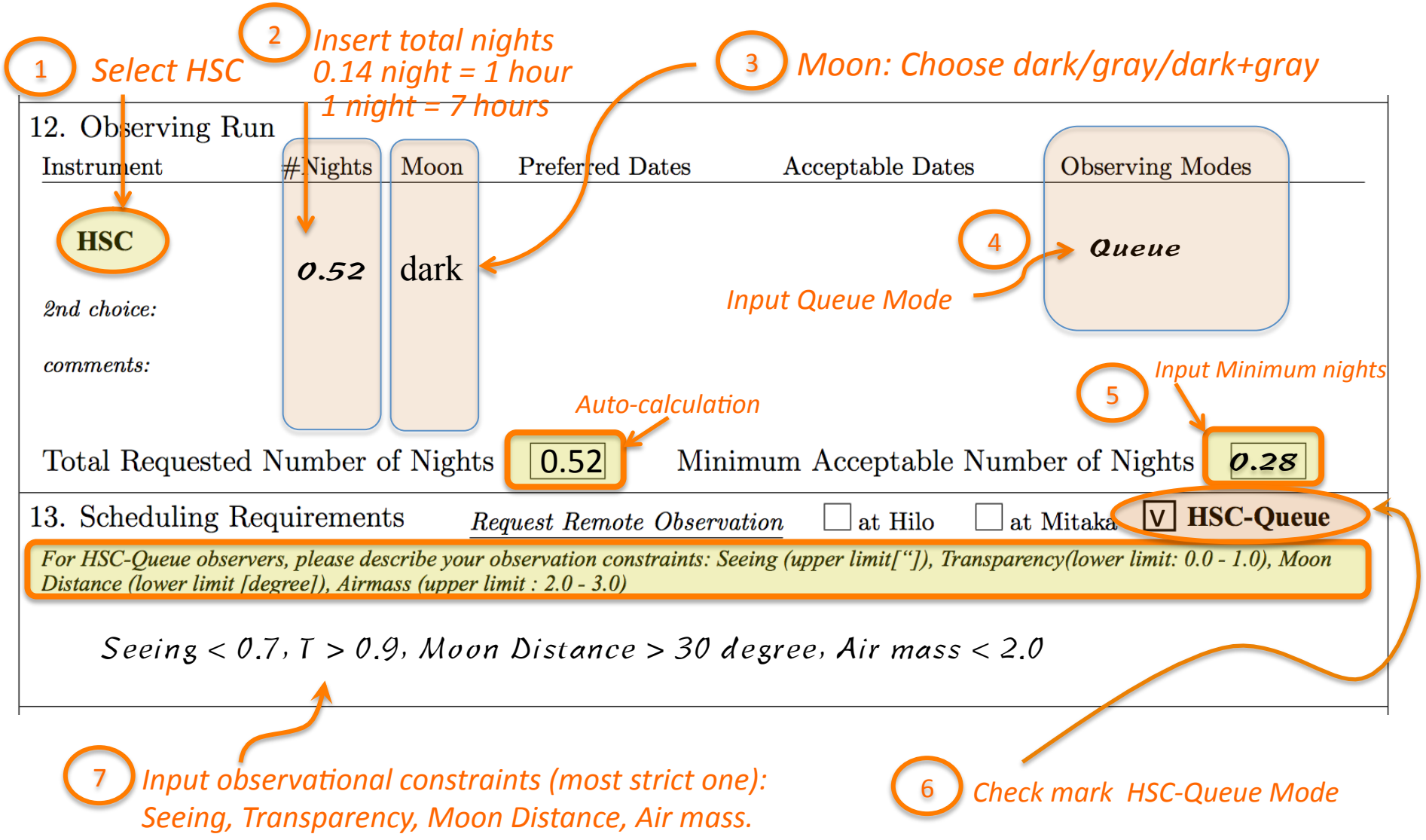
https://proms.naoj.hawaii.edu/proms2/login.php

Program Modes in ProMS

- After log in, users can choose submission programs in Normal & Intensive, Service.



S16A HSC-Queue Normal Program



Total Request Number of Hours

- It is on-source integration time.
- It does not include any overheads:
  - Readout time (40s: 30-45s),
  - Telescope slewing time,
  - Filter exchange (30 min),
  - Focus adjustment,
  - Standard SDSS field observation (30s exposure)
  - other overheads.
- Maximum total request time is 5 nights for Normal Program.

(= 35 hours : 1 night = 7.0 hr)

Cf. Classical observation : 1 night = 10 hours

- No limit for minimum request time.

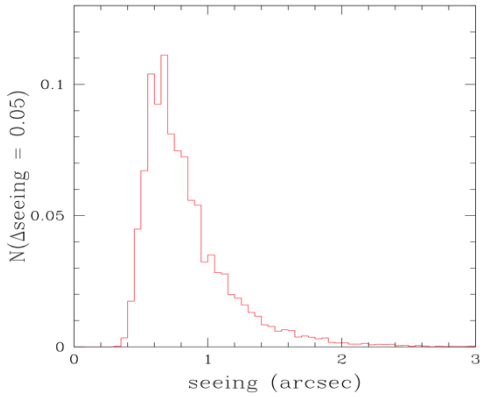
Observation Constraints

In #13. Schedule Requirements

- Seeing (#.#)
- Transparency (0-1)
- Moon Phase
  (dark/gray/dark+gray)
- Moon Distance (> 30 deg)
- Air mass (> 2.0)

- Observation constraints should be described **the best (strict) condition**.
- These conditions **can be relaxed** but **cannot be better** condition in Phase 2.

Constraint	Best	Good	Possible	Bad
Seeing	< 0.5”	< 0.75”	< 1.2”	> 1.2”
Transparency	Photometric (Stable and clear) T > 0.9 (dm < 0.1 mag)	Thin Cirrus and patchy Cloud : T > 0.7 (dm < 0.3 mag)	Cloudy : T < 0.7 (dm > 0.3 mag)	T < 0.5 (dm > 0.75 mag)
Moon phase	Dark (< +/- 3)		Gray (+/- 11)	
Moon Distance	> 30 degree allowed			
Air mass	< 2.0 Default (EL > 30 degree) : ADC is not working below EL< 30 degree. For low elevation objects, large air mass can be set (2.0 – 3.0: EL = 20 – 30 deg.)			



2003.1 – 2008.6 SCAM Seeing data (by Nakata)

Since S16B (Planned)

Additional Program Modes for HSC Queue

In Normal & Intensive Program

+ ◉ HSC Queue

HSC Queue Normal & Intensive Programs

- Observing time should be requested in hour unit not night unit.
- Observation constraints should be described.
  - Seeing(#.#), Transparency(0-1:#.#), Moon phase(Dark or Gray), Moon distance (degree: ##), Airmass(#.#)
- No requirement of back up program.
- No need scheduling requirements.

In Service Program

+ ◉ HSC Queue Filler

HSC Queue Filler Program

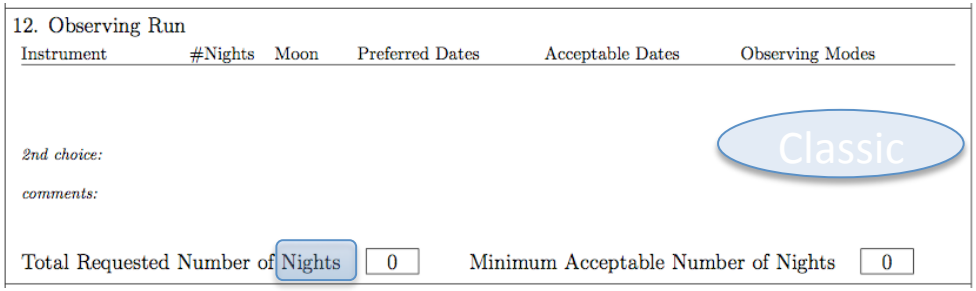
- Only bad weather (Transparency < 0.5, Seeing > 1.2)
- No need scientific justification except abstract.
- Abstract (~ 200 words) should include scientific aim and observational methods briefly.

HSC Queue Normal Programs

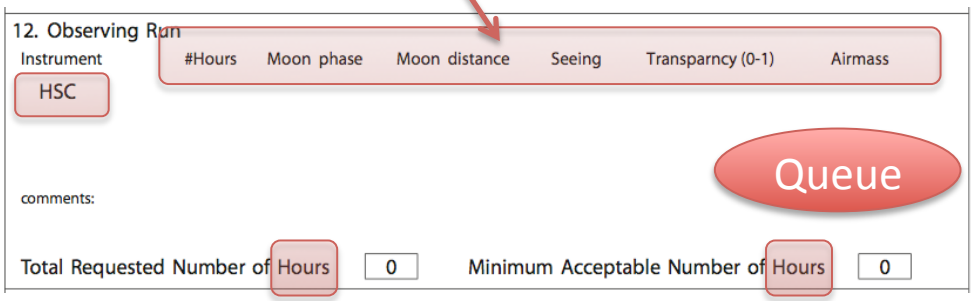
From S16B

- 17 items

1. Title of Proposal
2. Principal Investigator
3. Scientific Category
4. Abstract
5. Co-Investigators
6. Thesis Work
7. Subaru Open Use Intensive Programs
8. List of Publications
9. Condition of Closely-Related Past and Scheduled Observations
10. Post-Observation Status and Publications
11. Experiences
12. Observing Run
13. Instrument Requirements
14. List of Targets
15. Observing Methods and Technical Details
16. Public Data Archive of Subaru
17. Justify Duplications with the HSC SSP



Observational constraints

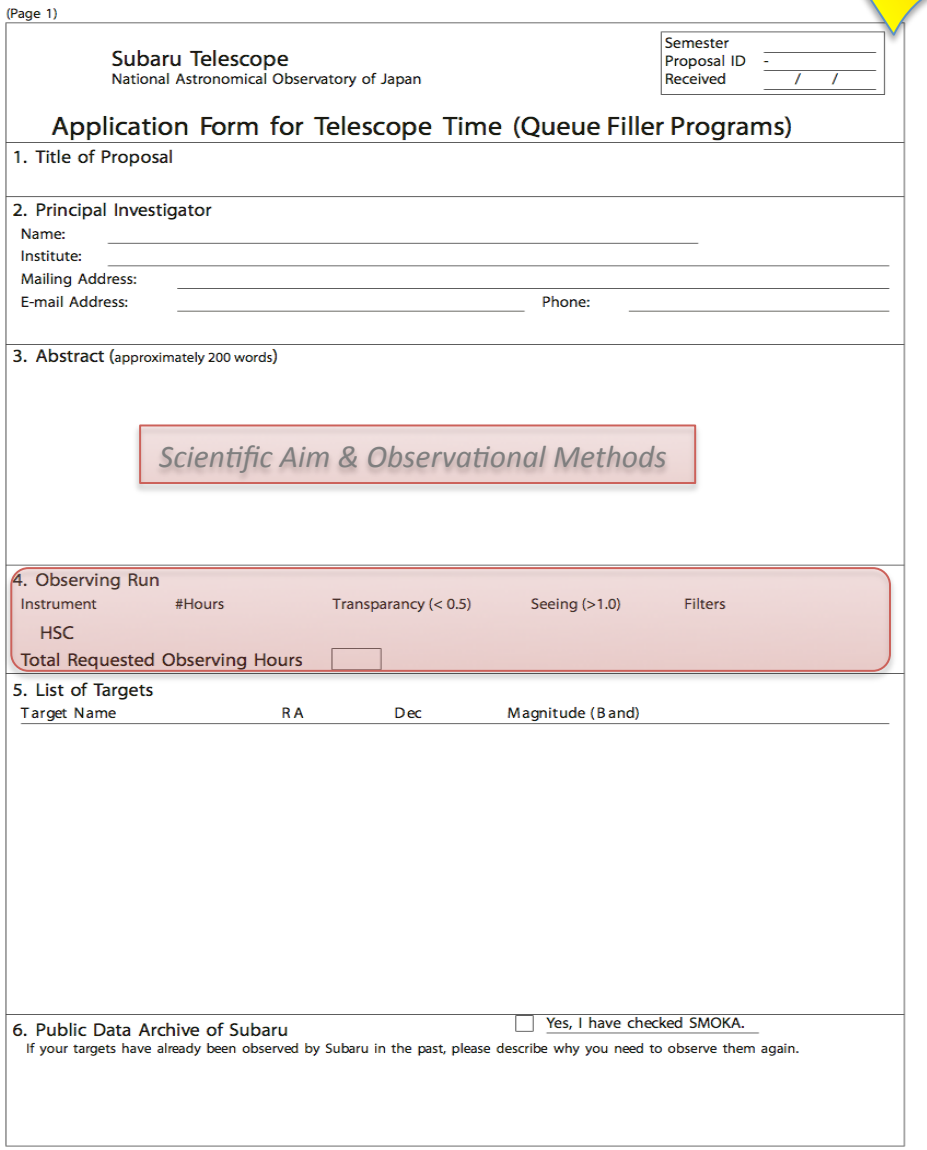


HSC Queue Filler Programs

From S16B

- 6 items

1. Title of Proposal
2. Principal Investigator
3. Abstract
4. Observing Run
5. List of Targets
6. Public Data Archive of Subaru



(Page 1)

Subaru Telescope
National Astronomical Observatory of Japan

Semester
Proposal ID -
Received / /

Application Form for Telescope Time (Queue Filler Programs)

1. Title of Proposal

2. Principal Investigator
Name:
Institute:
Mailing Address:
E-mail Address: Phone:

3. Abstract (approximately 200 words)

Scientific Aim & Observational Methods

4. Observing Run
Instrument #Hours Transparancy (< 0.5) Seeing (>1.0) Filters
HSC
Total Requested Observing Hours

5. List of Targets
Target Name RA Dec Magnitude (Band)

6. Public Data Archive of Subaru
☐ Yes, I have checked SMOKA.
If your targets have already been observed by Subaru in the past, please describe why you need to observe them again.

Programs

	Normal Program	Intensive Program	Filler Program
Maximum Request Time	< 35 hrs	< 70 hrs/semester	< 4 hours
Minimum Request Time	None	> 35 hrs	None
Submission Period	Normal/Intensive Program submission period		Service submission period
Cf.	From S16B	Not open in S16 A & B From S17A	Seeing > 1.2” Transparency < 0.5 From S16B

Thanks

- Question or Comment?