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

Tae-Soo Pyo
Subaru Telescope
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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

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

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

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

1. **Select HSC**

2. **Insert total nights**
   - 0.14 night = 1 hour
   - 1 night = 7 hours

3. **Moon**
   - Choose dark/gray/dark+gray

4. **Input Queue Mode**

5. **Input Minimum nights**
   - Minimum Acceptable Number of Nights: 0.28

6. **Check mark HSC-Queue Mode**

### Observing Run

<table>
<thead>
<tr>
<th>Instrument</th>
<th># Nights</th>
<th>Moon</th>
<th>Preferred Dates</th>
<th>Acceptable Dates</th>
<th>Observing Modes</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC</td>
<td>0.52</td>
<td>dark</td>
<td>Queue</td>
<td></td>
<td>Auto-calculation</td>
</tr>
<tr>
<td>2nd choice</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Total Requested Number of Nights

- Total Requested Number of Nights: 0.52

#### Scheduling Requirements

- Request Remote Observation: [ ] at Hilo  [ ] at Mitaka  [ ] HSC-Queue

For HSC-Queue observers, please describe your observation constraints: Seeing (upper limit [“”]), Transparency(lower limit: 0.0 - 1.0), Moon Distance (lower limit [degree]), Airmass (upper limit : 2.0 - 3.0)

Seeing < 0.7, T > 0.9, Moon Distance > 30 degree, Air mass < 2.0

#### Input Observational Constraints

- Input observational constraints (most strict one): Seeing, Transparency, Moon Distance, Air mass.
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

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

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

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

- 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

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

<table>
<thead>
<tr>
<th></th>
<th>Normal Program</th>
<th>Intensive Program</th>
<th>Filler Program</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Request Time</strong></td>
<td>&lt; 35 hrs</td>
<td>&lt; 70 hrs/semester</td>
<td>&lt; 4 hours</td>
</tr>
<tr>
<td><strong>Minimum Request Time</strong></td>
<td>None</td>
<td>&gt; 35 hrs</td>
<td>None</td>
</tr>
<tr>
<td><strong>Submission Period</strong></td>
<td>Normal/Intensive Program submission period</td>
<td>Service submission period</td>
<td></td>
</tr>
<tr>
<td><strong>Cf.</strong></td>
<td>From S16B</td>
<td>Not open in S16 A &amp; B</td>
<td>Seeing &gt; 1.2” Transparency &lt; 0.5</td>
</tr>
</tbody>
</table>
Thanks

• Question or Comment?