

# Procedure to determine filters for each HSC run

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## 1. Timeline

Before July 24 (for 'A' semesters) / January 24 (for 'B' semesters):

- Notice Subaru Telescope (newdev@naoj.org) if a filter PI wants to open his/her filter for open-use (including SSP) with:
  - Inspection information defined in the filter policy<sup>1</sup>
  - Typical transmission data (to be published on the web)
- Months of HSC runs in the semester and filters to be used by SSP for each of HSC runs should be determined

Before July 31 (for 'A' semesters) / January 31 (for 'B' semesters):

- Subaru Telescope will determine which filters are accepted and are opened
- Filter PI can withdraw his/her wish to open the filter, based on information of HSC runs in the semester

Call for proposals will be issued with information of:

- Months with HSC runs
- Sets of filters for HSC SSP for each of HSC runs
- Filters available in the semester

## 2. How to determine the filter sets

- SSP team can request the use of one NBF for half of HSC runs in the semester on bi-monthly basis (if there are six HSC runs)
- For the other half of HSC runs, one user filter will be determined by TAC.
- If the number of filters (including NBF) for a run requested by SSP team is five or less, there is a possibility of using additional user filter, depending on the requests from open-use and UH proposals. If unassigned filter slot(s) are available after TAC, SSP team may submit a request of additional filter(s) within two weeks after the notification (which will be made after the notification of results to normal open-use proposers).

## Notes

- This procedure assumes all five broad-band filters will be necessary for almost all HSC runs. If we find that is not the case, we may be able to modify the procedure.
- UH is eligible for assignment of one user filter for 15% of the remaining half HSC runs; e.g., if there are six HSC runs per semester, we should try to allocate the filter requested by UH for one run in a year. The request from UH should be notified to Subaru Telescope before TAC.
- For assignment of additional filter, requests by open-use programs have higher priority than those by the SSP team.
- Assignment of filters specified in the call for proposals cannot be changed afterwards.

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<sup>1</sup>available at <http://www.naoj.org/Observing/Instruments/HSC/>