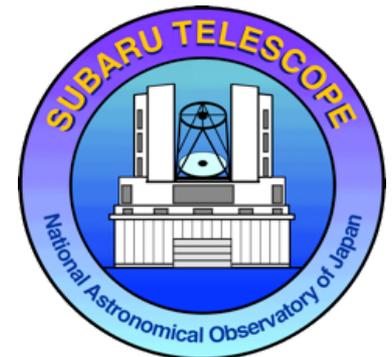


Subaru Instrument Plans toward ~2020s

Summary of discussion/decision made during Subaru UM FY2016 (2017/1/10)

Y. Koyama, I. Iwata, Y. Minowa, T. Hattori



Summary of our activity in FY2016

- 2016/09/21: Kick-off meeting (Koyama/Iwata/Minowa/Hattori)
- 2016/10/21: Follow-up meeting (Koyama/Iwata/Minowa/Hattori)
- 2016/11/14: Meeting w/ SciOp Division
- 2016/12/16 : Subaru internal discussion (inviting all Subaru staff)
- 2016/12/19 : Discussion in SAC
- 2016/01/09 : Discussion with community in Subaru UM

We proposed FOCAS decommission when PFS commissioning observation starts (SI8B in earliest case) - see “FOCAS paradox” in p23.

Discussion notes during the UM

- The community understands the observatory's situation, and there was no strong objection on the decommission of FOCAS after the completion of PFS full commissioning.
- Some people consider we should keep FOCAS during the PFS commissioning phase. The reasons are:
 - Expected high demands for (optical) spectroscopy in ~2018-2020 as follow-up of interesting targets from HSC-SSP data.
 - Keck/Gemini time exchange could help, but the sensitivity of GMOS is lower than FOCAS, and getting Keck time is too hard at this moment.
 - Note: we can use FOCAS only in grey/bright conditions – meaning FOCAS cannot make full use of its sensitivity.
 - We should have “backup” spectroscopic instrument anyway – because we cannot rule out the risks of PFS (e.g. significant delay of commissioning, unexpectedly poor performance, ...etc)

Conclusions

- **Decommission of FOCAS after full commissioning of PFS.**
 - No objection from the community on this point.
- **FOCAS operation during PFS commissioning phase is TBD.**
 - It is agreed that SAC can make decision – if it is required to make any decision before next UM.
 - The decision will strongly depend on PFS commissioning schedule.
 - Note: According to the current PFS commissioning plan, they do not request so many dark nights – but still the number of dark nights available for FOCAS is very limited.