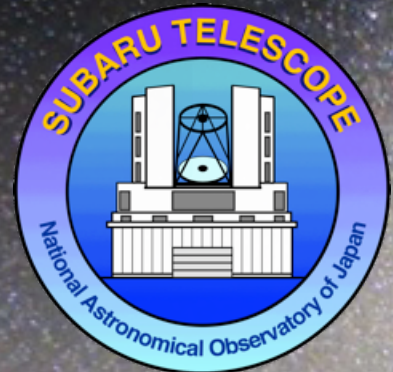


ULTIMATE-Subaru Collaboration Meeting 2018 (2018/1/15)

ULTIMATE-Subaru Collaboration Meeting 2018 ~ *Welcome Announcement* ~

Yusei Koyama / Yosuke Minowa (Subaru Telescope)

ULTIMATE-Subaru Working Group



Subaru wide-field strategy to 2020s

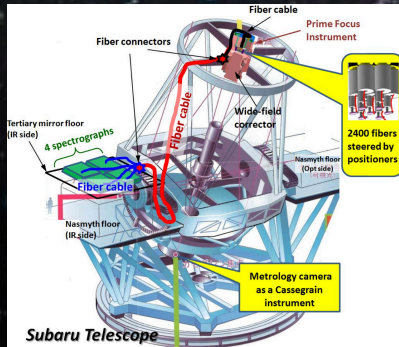
(More on the Subaru direction by our Director, M.Yoshida)

Dark nights

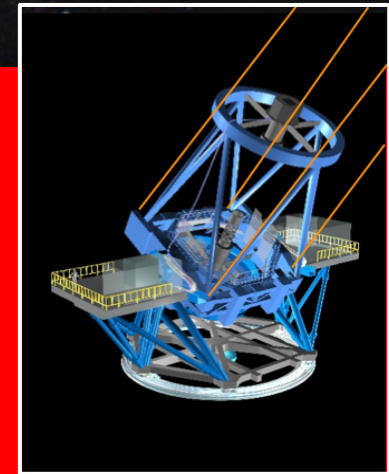
Bright nights

Spectroscopy

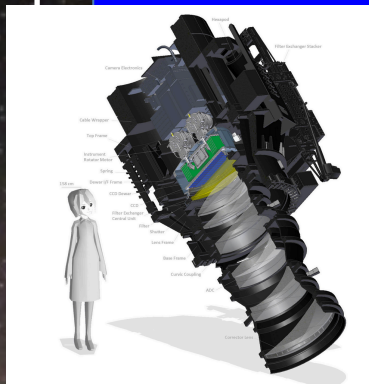
Imaging



PFS
(~2020-)



HSC
(2013-)



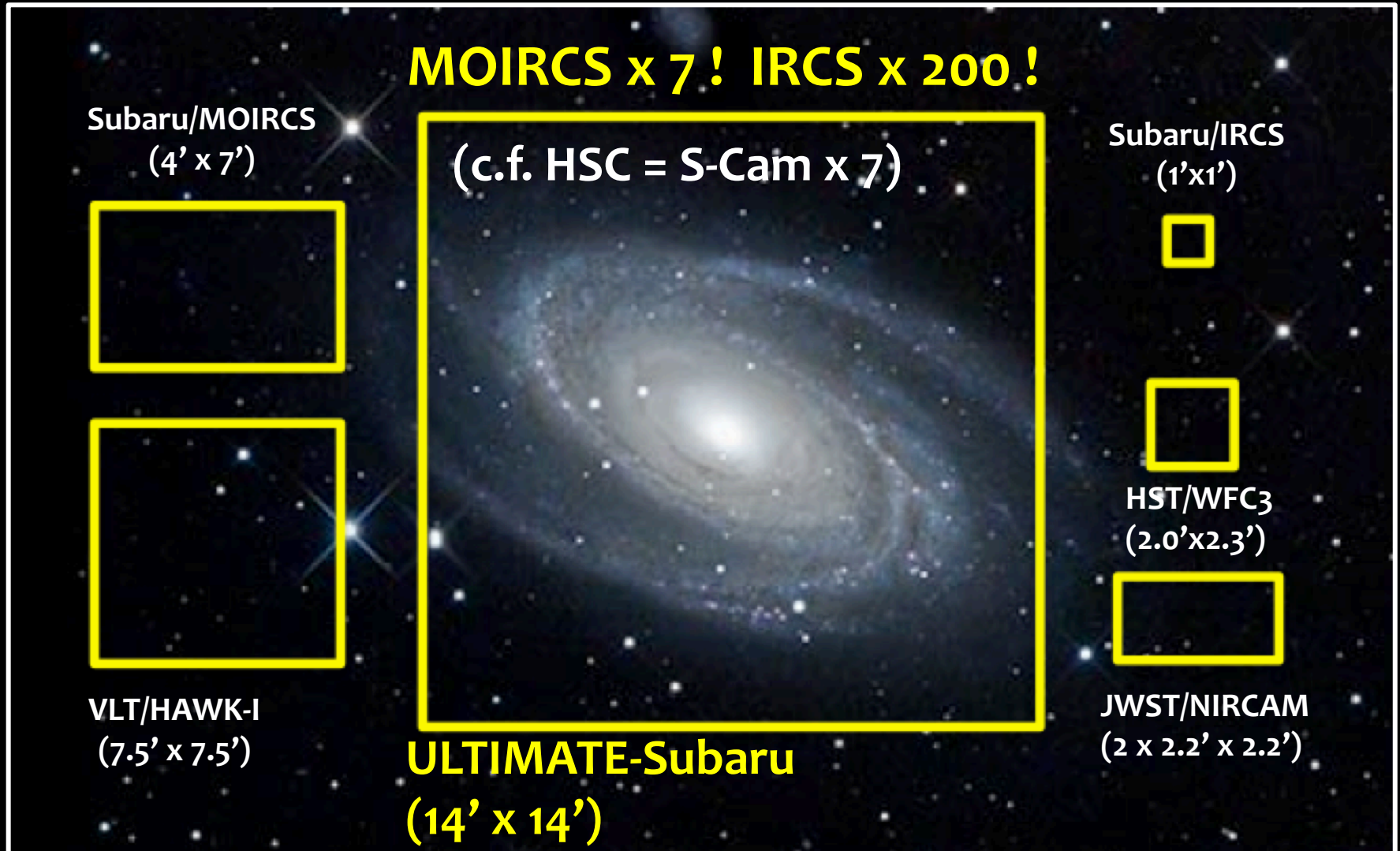
ULTIMATE
(~2025-)

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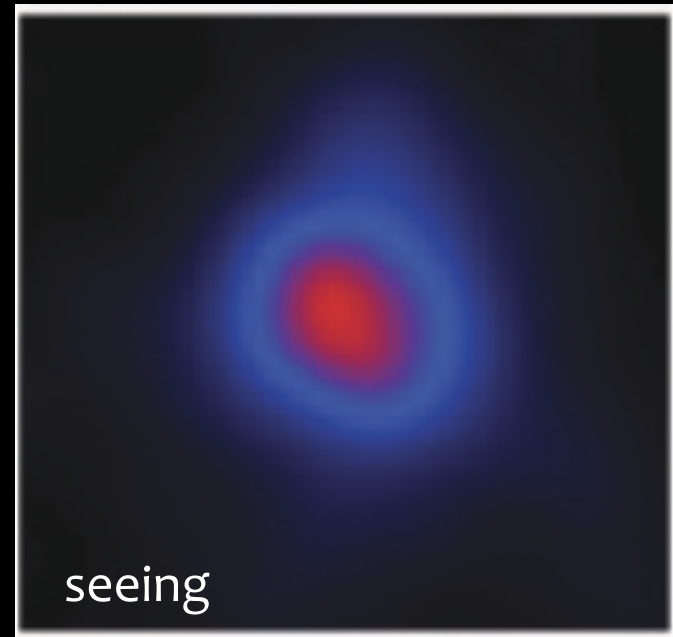
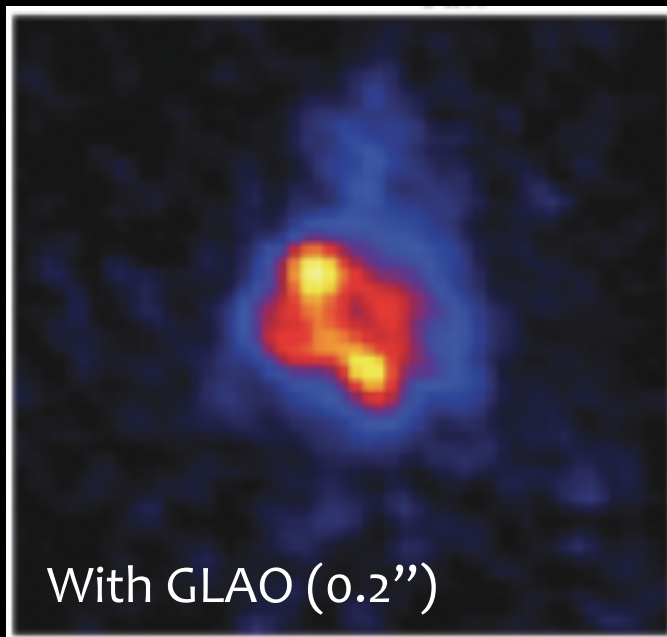
ULTIMATE-Subaru: GLAO + new IR inst.

(ULTIMATE-Subaru overview talk by Minowa-san)



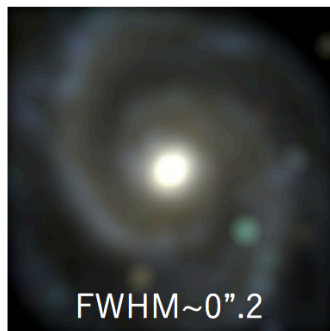
Uniqueness of ULTIMATE

- Wide FoV ($\sim 15'$), everywhere on sky
- High spatial resolution ($\sim 0.2''$ @ K-band)
 - Comparable to HST/WFIRST. Note: $0.32''$ at VLT site
- Improved sensitivity (~ 0.75 mag deeper)

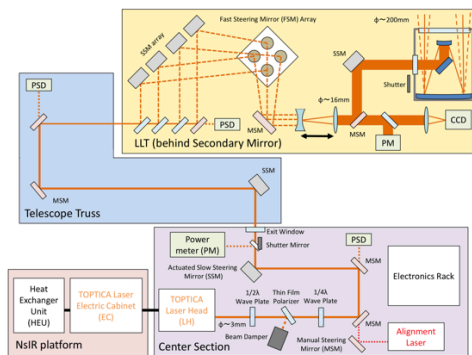
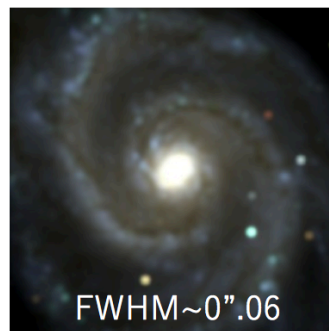


!! ULTIMATE-START !!

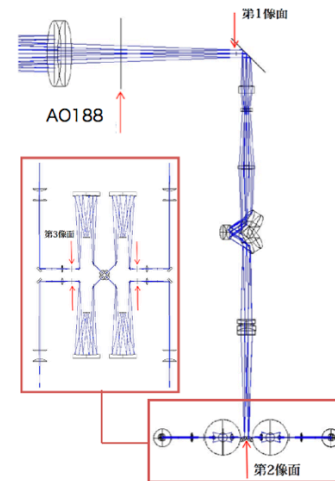
JSPS Grand-in-Aid budget approved (FY2017-FY2021)
[See Akiyama-san's talk today]



2019

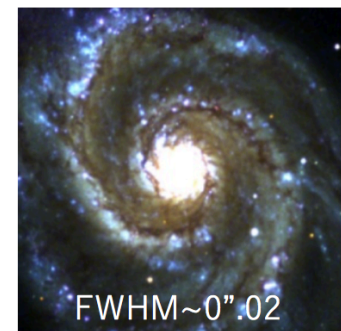


4 laser guide star system with TOPTICA fiber laser



Laser tomography with 4 SH-WFS

2021

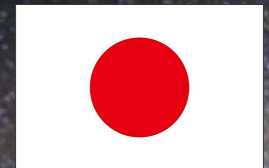
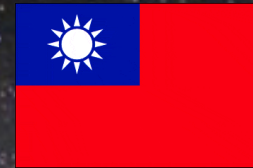


This Meeting

- This is the first “collaboration meeting” of ULTIMATE-Subaru to discuss with “potential partners” on:
 - project management, roadmap to realize ULTIMATE-Subaru
 - possible international collaboration (science & development)

- Special thanks to participants from outside Japan:

- Shiang-Yu Wang, Yen-Ting Lin (ASIAA, Taiwan)
- Luc Simard, Dennis Crabtree (NRC, Canada)
- Simon White, Chris Lidman (AAO, Australia)
- Visa Korkiakoski, Blair Conn (ANU, Australia)



- This meeting is partly supported by Subaru International Operation Workshop support program.

- https://www.naoj.org/Projects/partnership/ws_support2017/ws_support2017.html

Program (day 1)

https://www.naoj.org/Projects/newdev/ngao/201801_collabo_mtg/index.html

Technical & Management Session

10:30-10:40 Opening announcement (Yusei Koyama)

10:40-10:55 Opening remark (Michitoshi Yoshida)

[Chair, Ono]

10:55-11:25 ULTIMATE project overview (Yosuke Minowa)

11:25-11:45 ULTIMATE-START (Masayuki Akiyama)

11:45-12:05 ULTIMATE AO simulation (Visa Korkiakoski)

12:05-12:25 ULTIMATE instrument plan (Takashi Hattori)

12:25-14:00 Lunch (Bento)

[Chair, Ohashi]

14:00-14:20 Collaboration framework (Ikuru Iwata)

14:20-14:40 AAO (Simon Ellis)

14:40-15:00 ANU (Blair Conn)

15:00-15:15 ASIAA (Shiang-Yu Wang)

15:15-15:30 ASIAA (Yen-Ting Lin)

15:30-15:50 NRC (Luc Simard)

15:50-16:15 Break

16:15-17:15 Discussion (I) - project management (Minowa)

Program (day 2)

https://www.naoj.org/Projects/newdev/ngao/201801_collabo_mtg/index.html

Science Session

[Chair=Akiyama]

10:00-10:20 Science team status (Yusei Koyama)

10:20-10:40 High-z imaging (Tadayuki Kodama)

10:40-11:00 High-z MOS (Ken-ichi Tadaki)

11:00-11:20 IFU science (Chris Lidman)

11:20-11:40 Nearby galaxies (Kentaro Motohara)

11:40-12:00 Galactic science (Yusei Koyama)

12:00-14:00 Lunch (@ Pappa Pasta)

14:00-15:00 Discussion (II) - Science (Koyama)

15:00-15:15 Break

15:15-15:50 Summary - A/I toward CoDR2018 (Minowa, Koyama)

15:50-16:00 Closing remarks (Yoshida)

Announcement from LOC

- **Speakers:**

- We will collect your presentation file to be uploaded on our meeting website. You can remove confidential information.

- **Travel support :**

- For those who requested travel support from us, please ask your hotel to issue the receipt as early as possible (not at the check-out time) and submit the receipt to us **before** you leave NAOJ (i.e. today or tomorrow). Submission of the hotel receipt is mandatory for the payment.

- **Lunch & Banquet :**

- Today lunch: we provide lunch box (and have it in this room)
- Tonight banquet: we have banquet at Kichijoji from 19:00. Details will be announced later today. **Please let me know **by noon today** if you cannot join the banquet.**
- Tomorrow lunch: go to another restaurant nearby.

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- **Speakers:**

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