TAC Report
S23B & S24A

Makoto Uemura (Hiroshima University)
on behalf of TAC13

Special Thanks to Hatsue Uekiyo and Sakurako Okamoto
for data collection and plotting.

TAC13

- August 2023 (S24A) --- July 2025 (S25B)
- Members　＊New members
  - Makoto Uemura (Chair; Hiroshima University)
  - Fumi Egusa (University of Tokyo)
  - Hironao Miyatake (Nagoya University)
  - Keiichi Maeda (Kyoto University)
  - Kohei Ichikawa (Waseda University)
  - Miho Ishigaki (NAOJ)
  - Noriyuki Matsunaga (University of Tokyo)
  - Ryou Ohsawa (NAOJ)
  - Takayuki Muto (Kogakuin University)
  - Teruyuki Hirano (ABC)
  - Yoshiaki Ono (University of Tokyo)

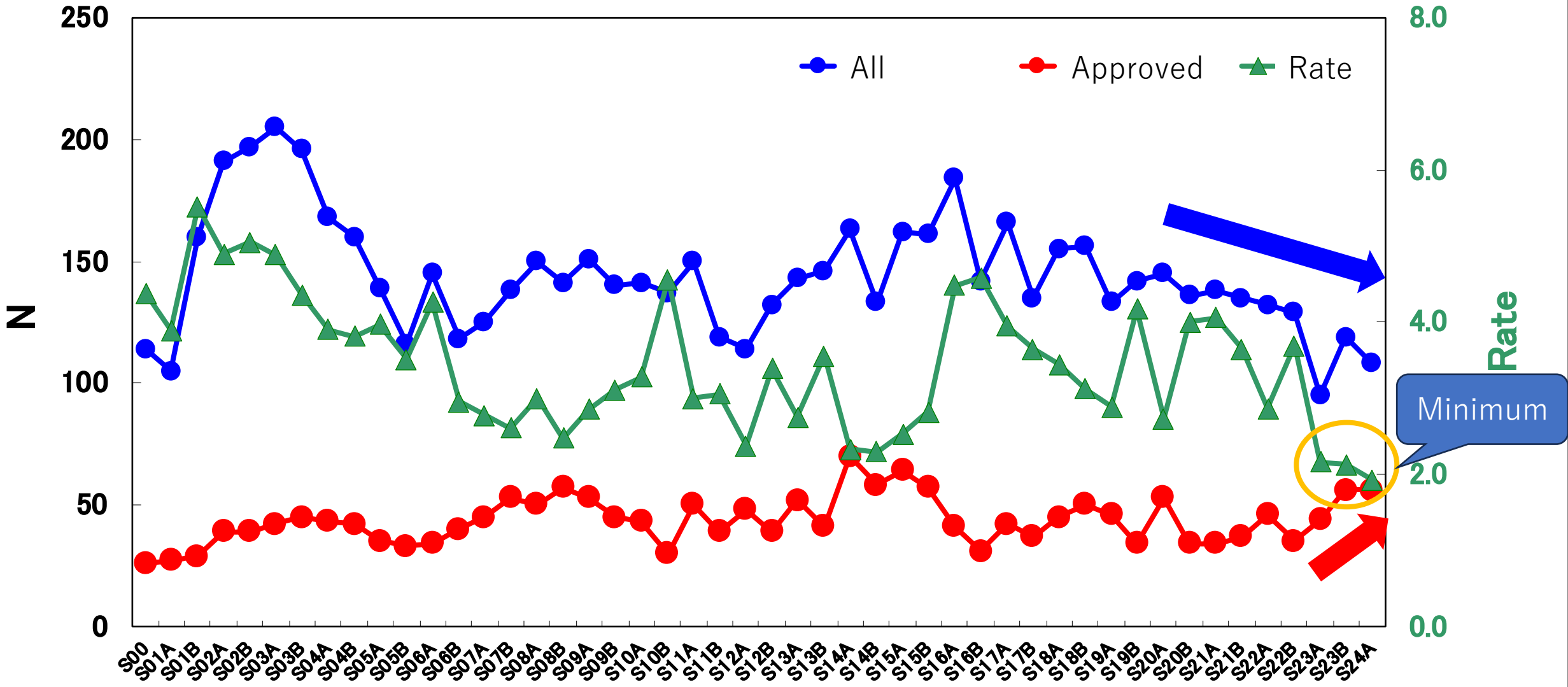
S24A (& S23B) Summary

- Submitted proposals: **108** (119)
  - including 1 intensive program
- Approved proposals: **56** (56)
  - including 1 intensive program
- Oversubscription rate: **1.9** (2.2)

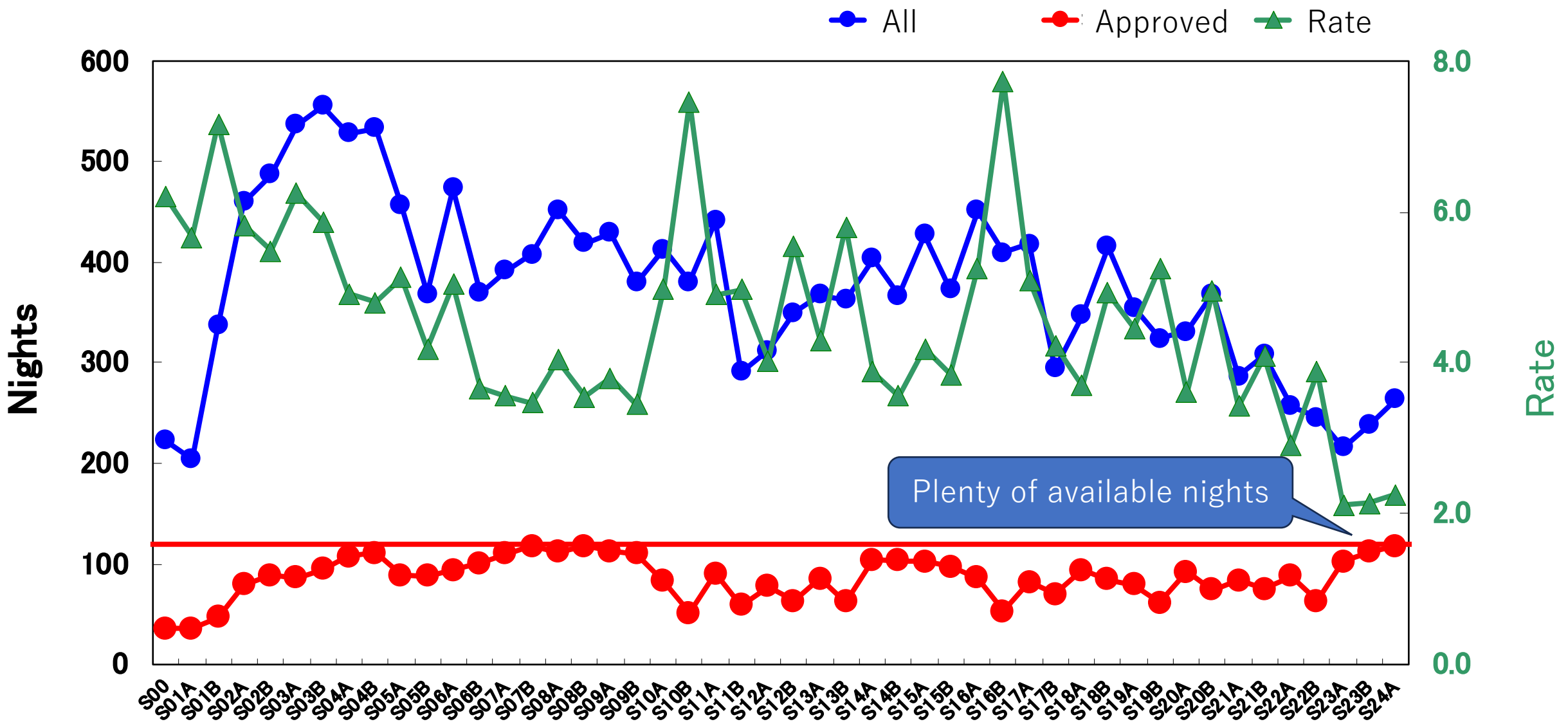
Minimum in the Subaru history

- Night requested: **263.9** (237.87)
- Night approved: **117.3** (111.5)
  - New intensive: **5** (0)
  - Continuing intensive: **0** (12.5)
  - Intensive carry-over: **9.7** (6.4)
- Oversubscription rate: **2.2** (2.1)

The number of proposals



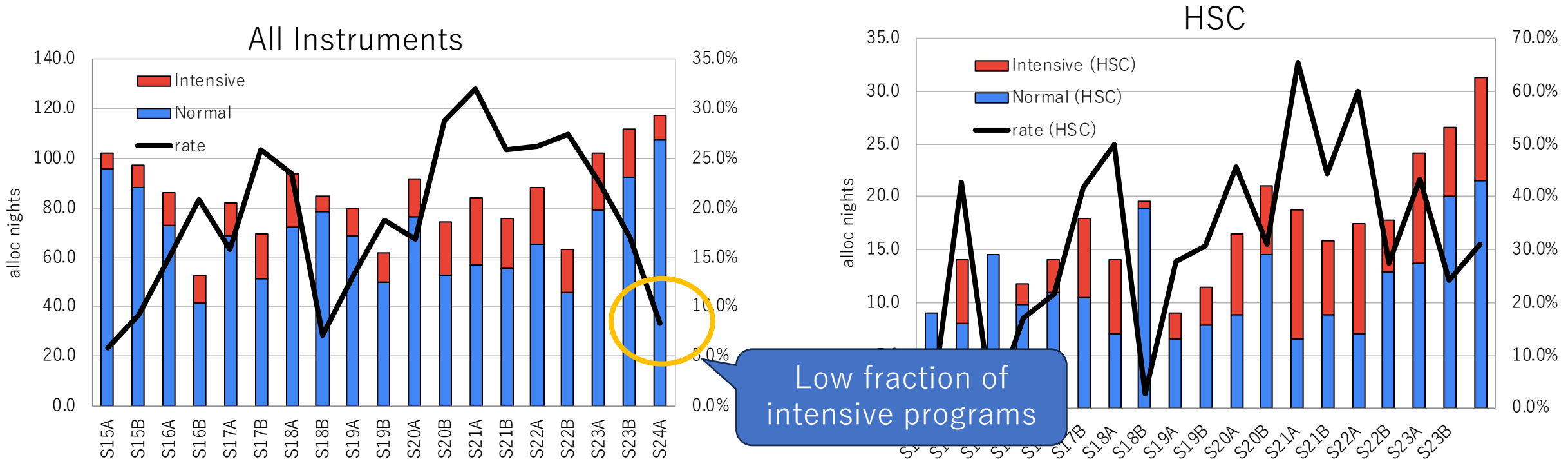
Night basis


All
Approved
Rate
Nights
Rate
600
500
400
300
200
100
0
8.0
6.0
4.0
2.0
0.0
Plenty of available nights
S00
S01A
S01B
S02A
S02B
S03A
S03B
S04A
S04B
S05A
S05B
S06A
S06B
S07A
S07B
S08A
S08B
S09A
S09B
S10A
S10B
S11A
S11B
S12A
S12B
S13A
S13B
S14A
S14B
S15A
S15B
S16A
S16B
S17A
S17B
S18A
S18B
S19A
S19B
S20A
S20B
S21A
S21B
S22A
S22B
S23A
S23B
S24A

Intensive programs

- Continuing : S23A-067I (Narita) 12.5n (S23B)
- Carry-over
  - S20B-097I (Oguri) 3.5n (S23B), 7.1n (S24A)
  - S21A-114QI (Matsuda) 2.9n (S23B), 2.6n (S24A)
  - The carry-over system has been terminated after these two programs.
- **New : S24A023I (Currie) 5n (S24A) / 32n (5-semester total)**

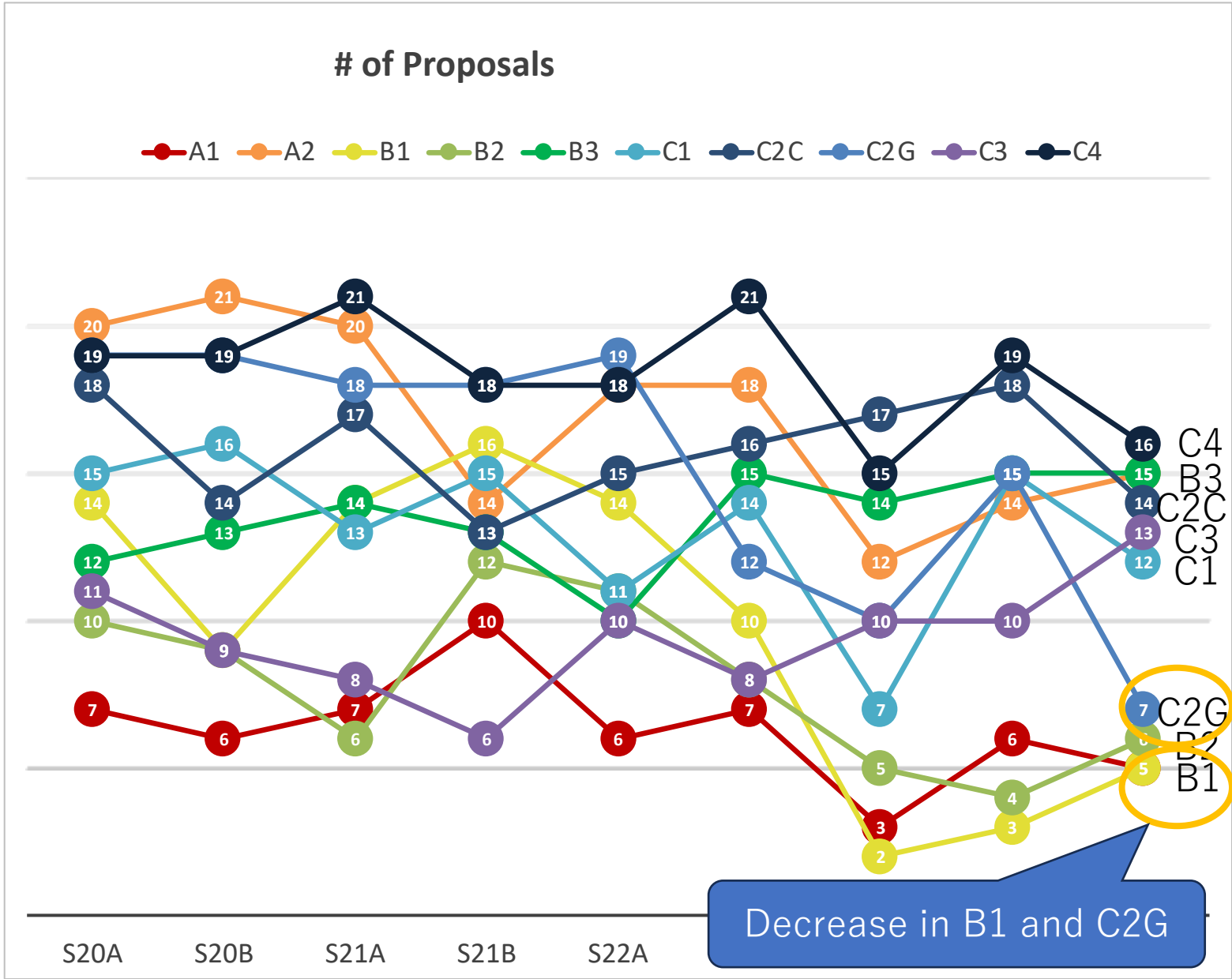
Balance between Normal and Intensive programs



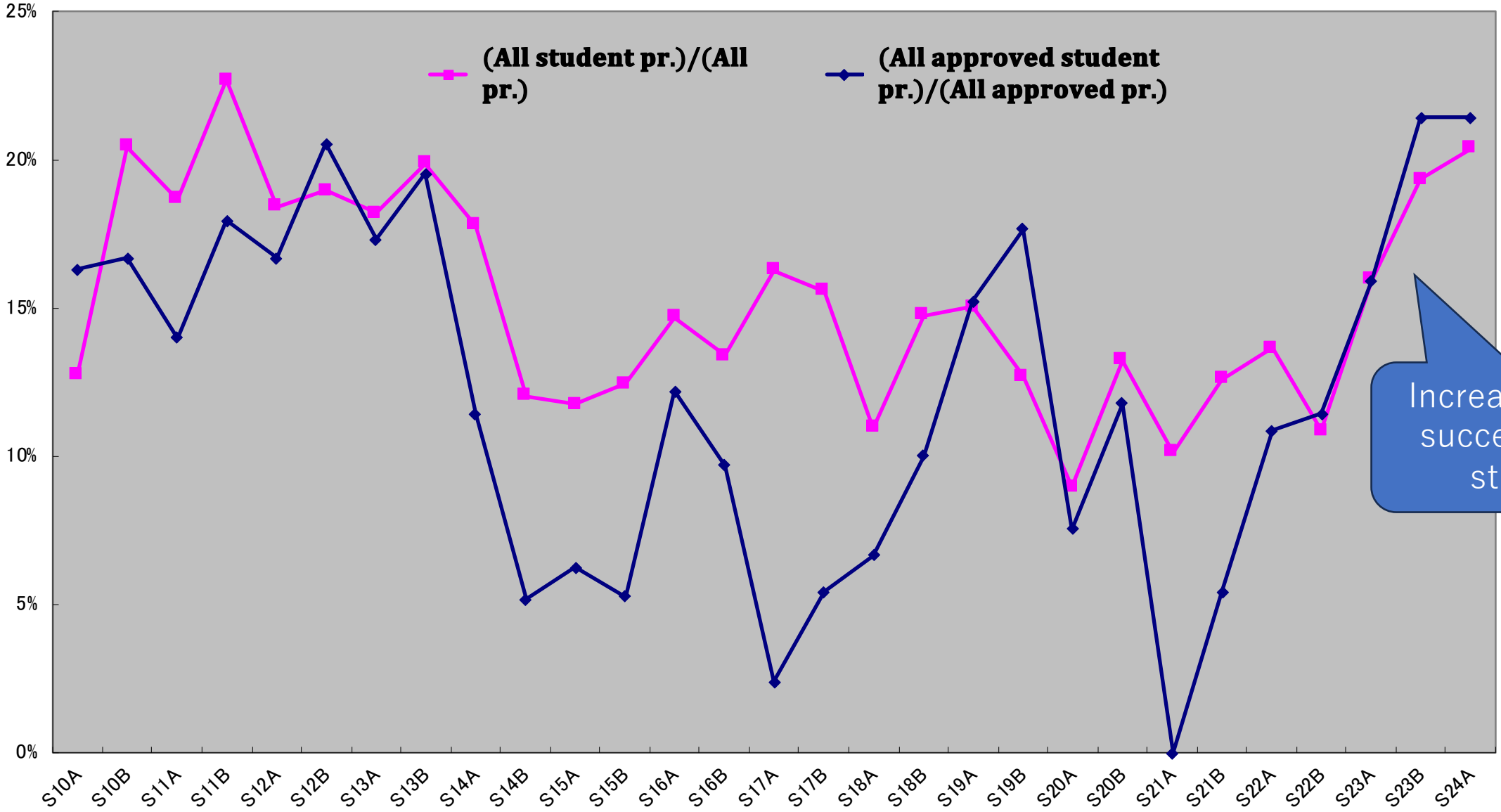
Science categories

- A1: Solar system
- A2: Extrasolar Planets
- B1: Star Formation and Young Disk, ISM
- B2: Stars and Brown Dwarfs, Stellar Envelope and Activity
- B3: Compact Objects and SNe
- C1: IGM and Abs. Line Systems, Cosmology, Gravitational Lenses, Circumglactic Medium
- C2C: Clusters and Proto-Clusters, Galaxy Properties and Environment

  → Clusters and Proto-Clusters, Environmental effect on galaxies
- C2G: High-z Galaxies (LAEs. LBGs), High-z Galaxies (others), Nearby Galaxies
- C3: Milky Way, Local Group, Galactic Archaeology
- C4: AGN and QSO Activity

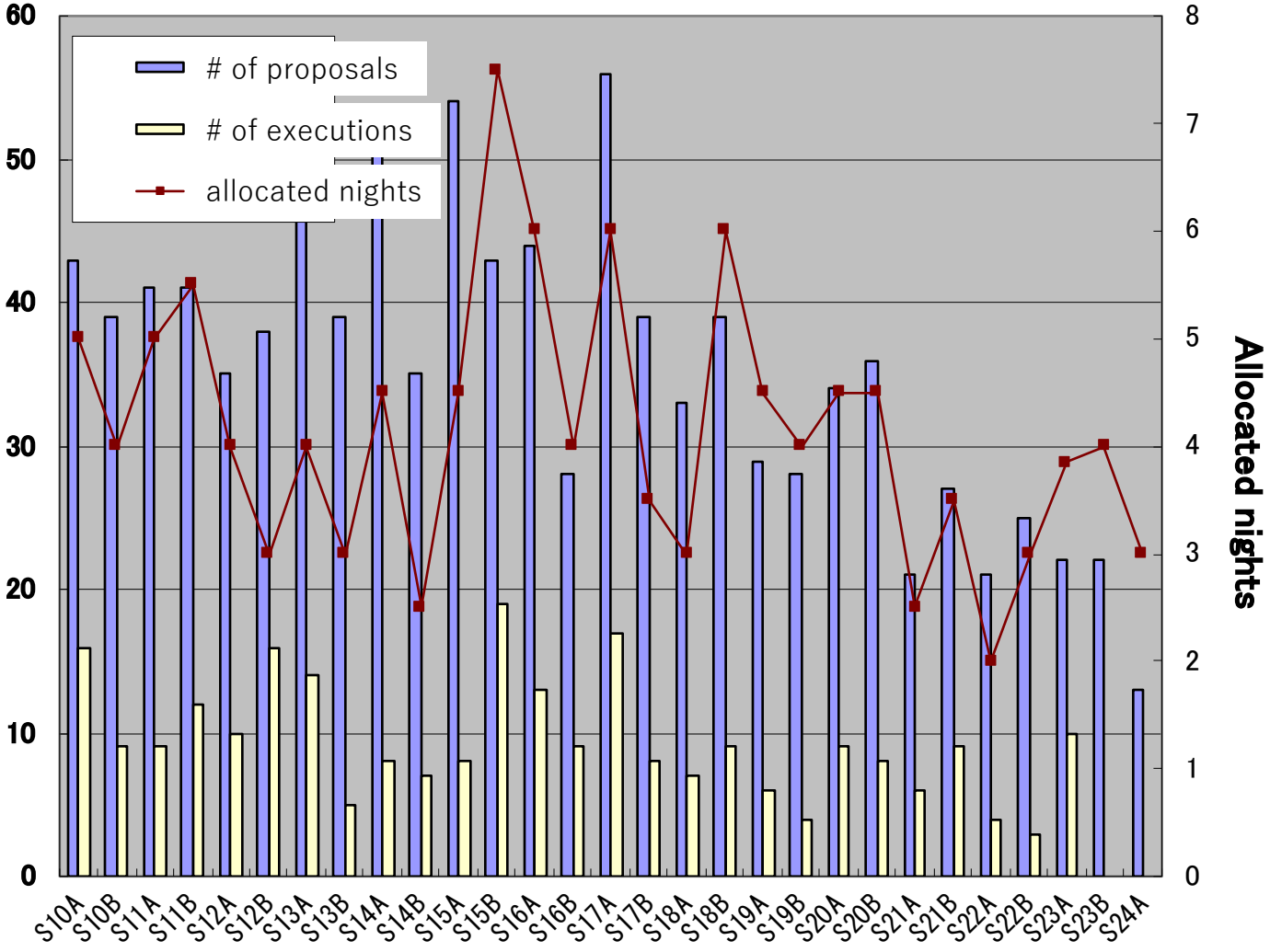


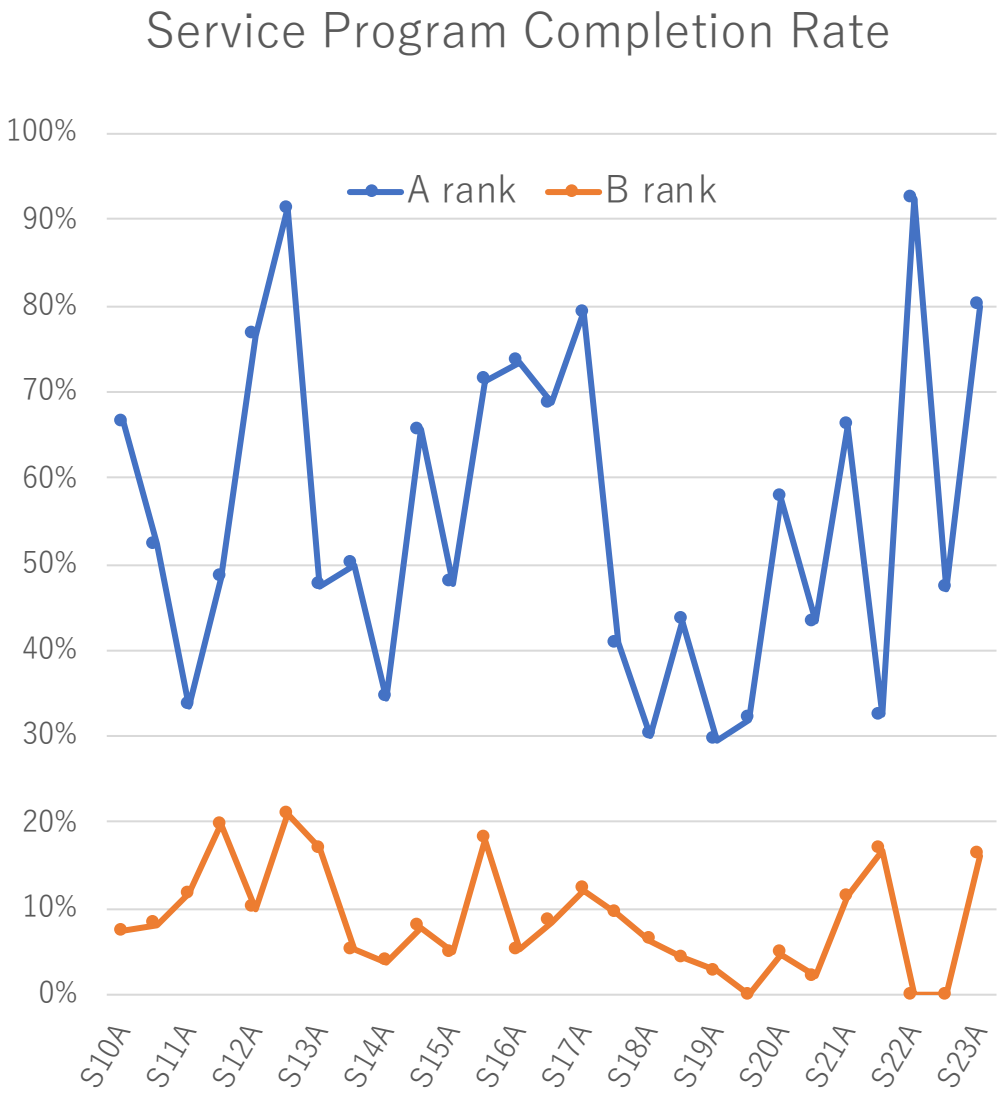
Student programs



Increasing in the success rate of students

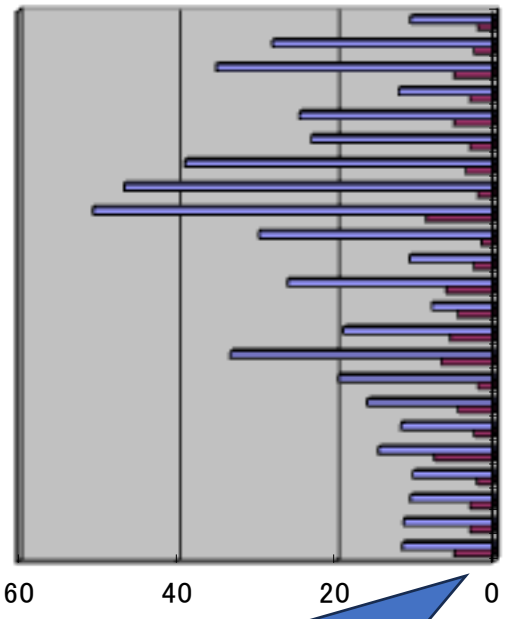
Service programs



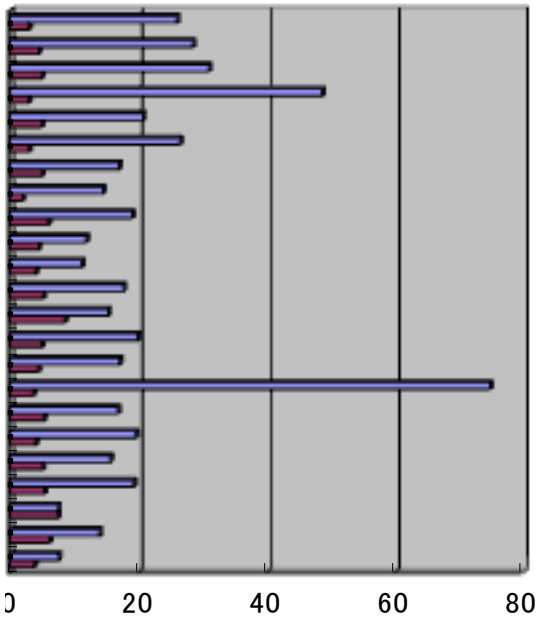


Time-Exchange programs

Subaru->Gemini
All/Approved
S24A 5n

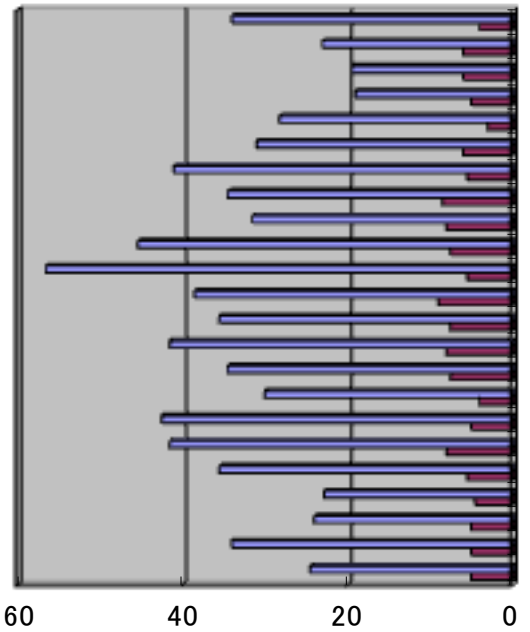


Gemini->Subaru
All/Approved
S24A 3.8n

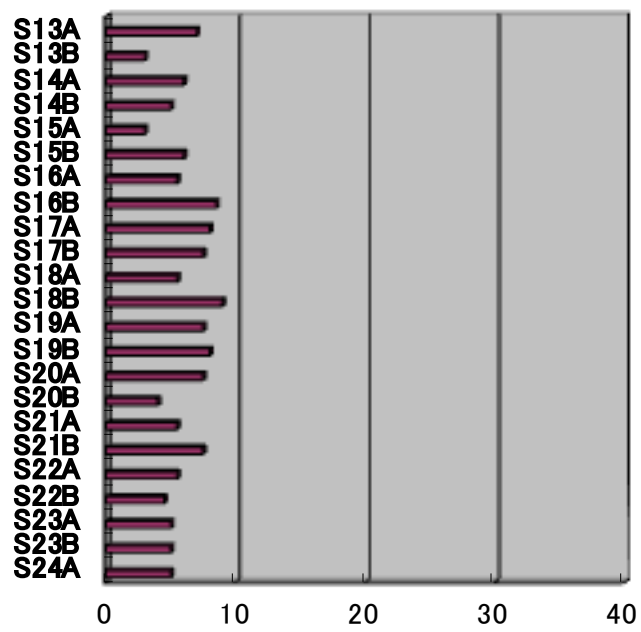


recovered to 5 nights

Subaru->Keck
All/Approved
S24A 5n



Keck->Subaru
All/Approved
S24A 5n



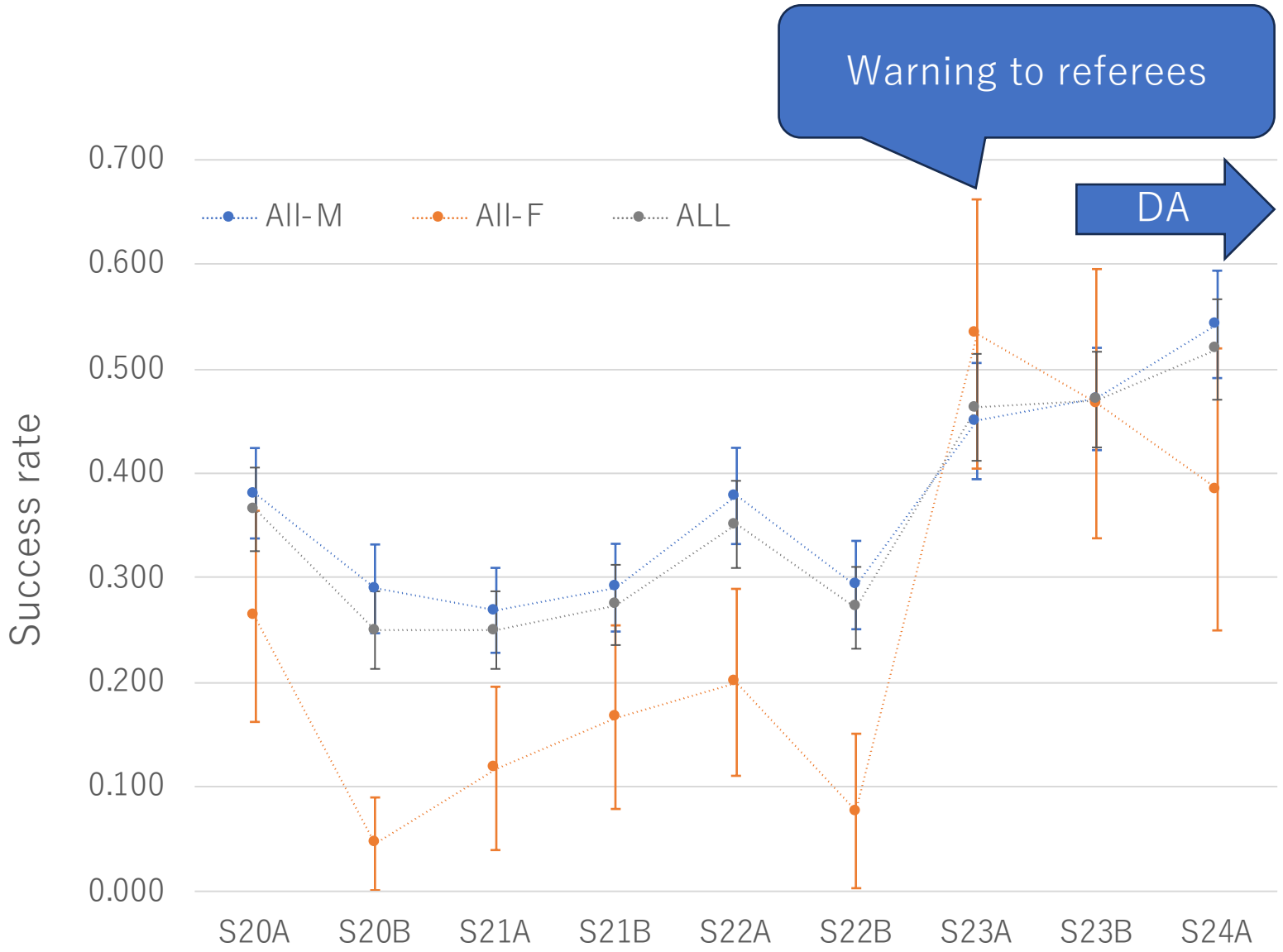
The low oversubscription rate continues

- All/Approved = 3--4 (past) → ~2 in S23A, 23B, 24A
- Why?
  - Decrease in the number of submitted proposals
    - Especially in Category C2G (High-z Galaxies (LAEs. LBGs), High-z Galaxies (others), Nearby Galaxies) and B1 (Star Formation and Young Disk, ISM)
  - Increase in available nights
    - Decrease in SSP & Intensive time → Increase in Normal programs
  - No drastic change in Service, Student, and Time-exchange programs.
- Will it continue further?
  - A significant part of the cancelled programs in S23B will probably apply to S24B again.
  - PFS SSP and Open Use will start in S25A?

  → a high oversubscription rate in S24B and later?

Dual anonymous (DA) review & Gender bias

- < S22B
  - clear gender-bias
- S23A
  - call for attention to referee
- S23B~
  - Dual anonymous
  - improvement tendency



Dual anonymous (DA) review system

- since S23B
- Clear DA violations still occur
  - 13 proposals among 108 proposals to S24A
  - An e-mail for caution was sent to the PIs of those proposals.
- Discussion items
  - What is good? & What is bad?
  - Dual anonymous review for Intensive programs?
    - We have evidence of “bias” in normal programs, but in intensive ones?
  - Penalty?
  - Gender & PhD year information

Summary

- The success rate continues to be high (~2).
- But it may recover in near future due to re-try of cancelled programs in S23B and PFS SSP/OpenUse.
- The improvement tendency on the gender bias continues.

Success rate: Instrument basis