

Computer and Data Management Report

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Subaru Telescope

Staff

- Camron Fox (FMSA – SE)
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- Yasushi Nakajima (Research fellow – Mitaka)
- Junichi Noumaru (CDM Division Chief)
- Kiaina Schubert (SA)
- Richard Tom (FMSA – CE)
- Kenji Uchida (Engineer)
- Tom Winegar (DB programmer)
- Hisahito Yamada (FMSA – Manager)

Computer and Network System CDM

Division covers

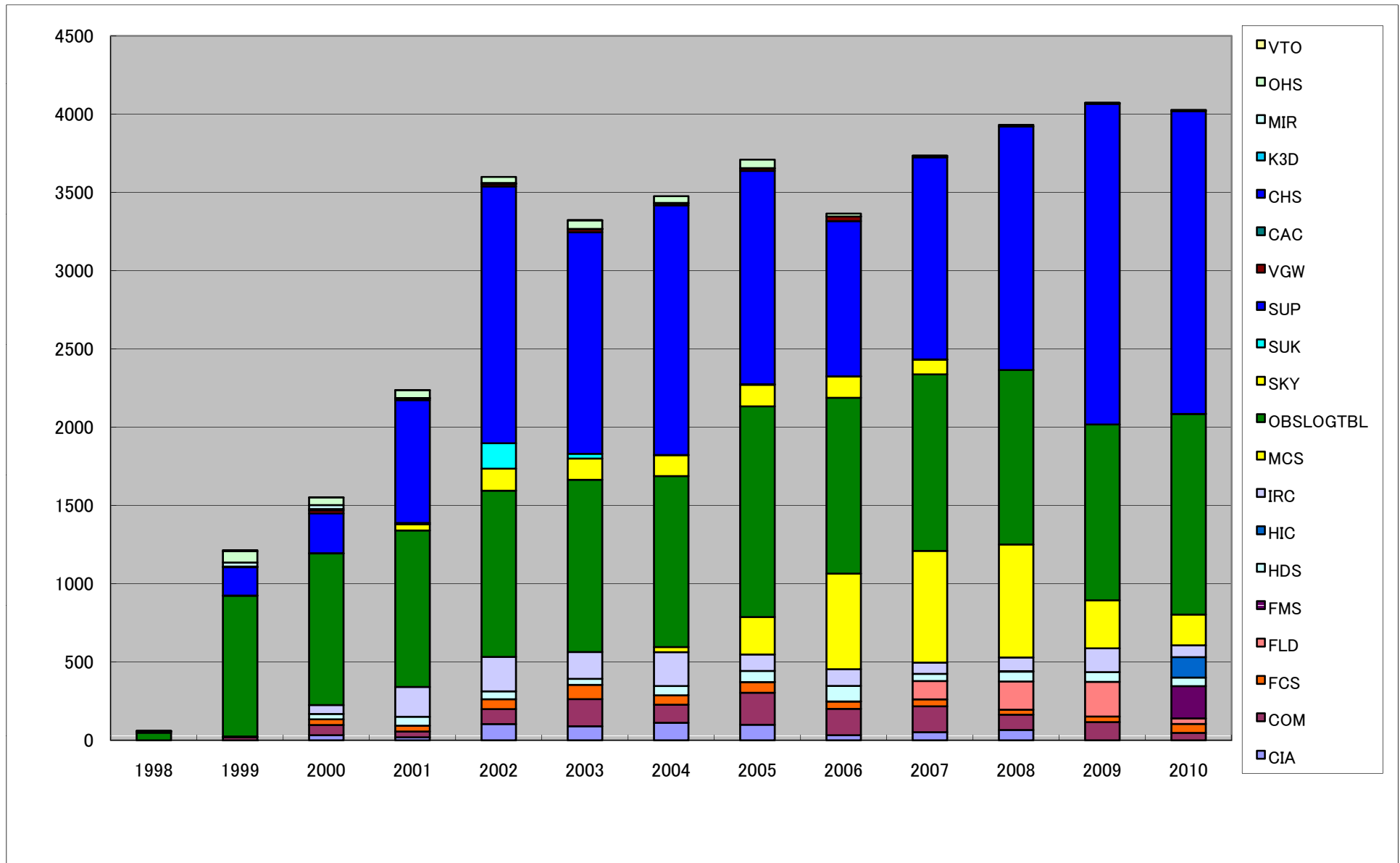
- Local Area Network
- Wide Area Network
- Computer hardware and OS for SOSS (Summit, Hilo Remote and Mitaka Remote)
- Applications in ANA, HANA and SBANA
- External web servers and emails
- STARS and MASTARS
- ProMS
- Video Conferencing equipment

STN Computer Status

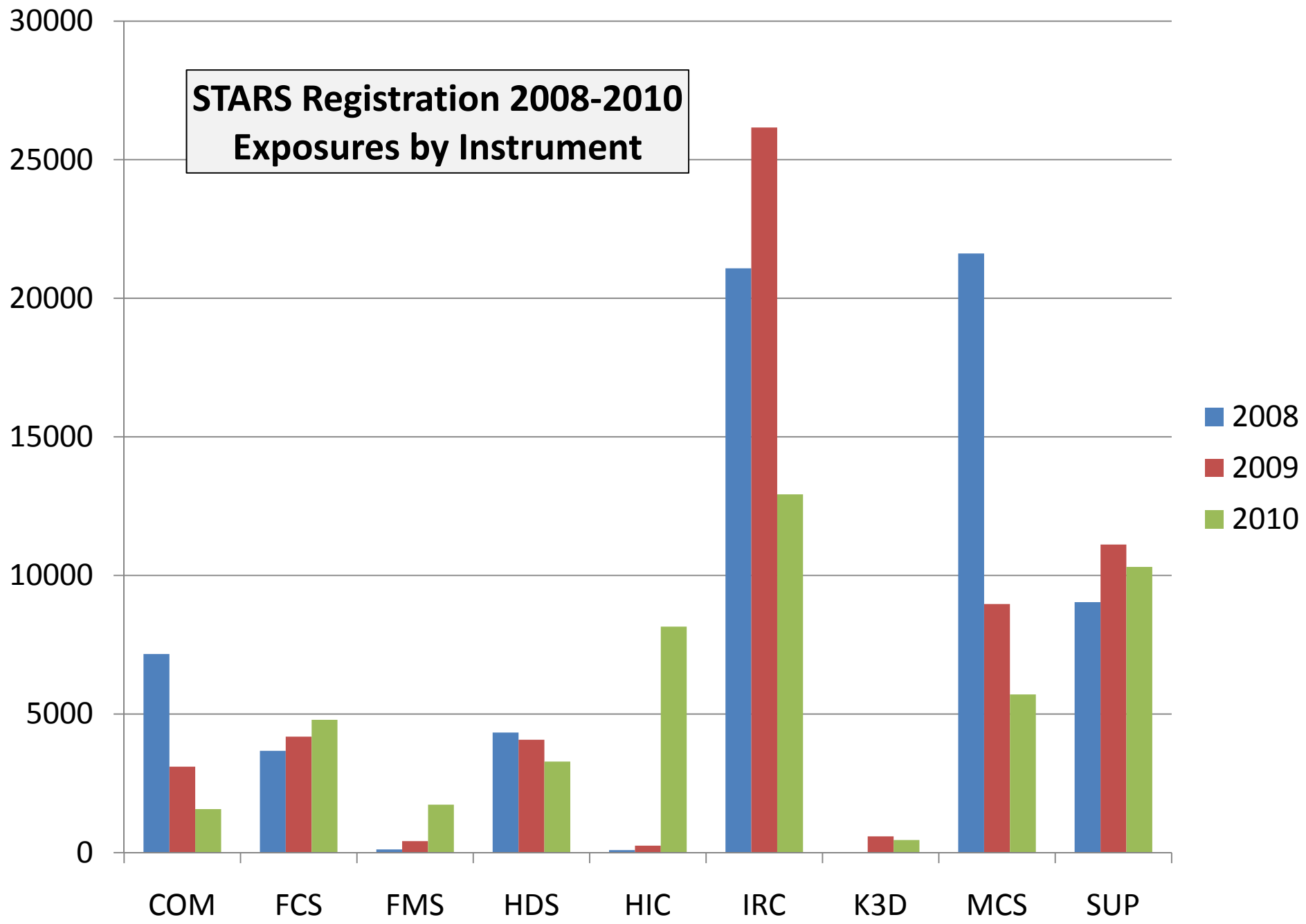
- Very stable operation continues.
- One hour down of STARS during Jan 2010 – Nov 2010 made to clear error from the file server. This is the only unscheduled down time.
- Preventive maintenance is made monthly for 4 to 8 hours. Some services become unavailable for 0.5 to 4 hours during each maintenance.

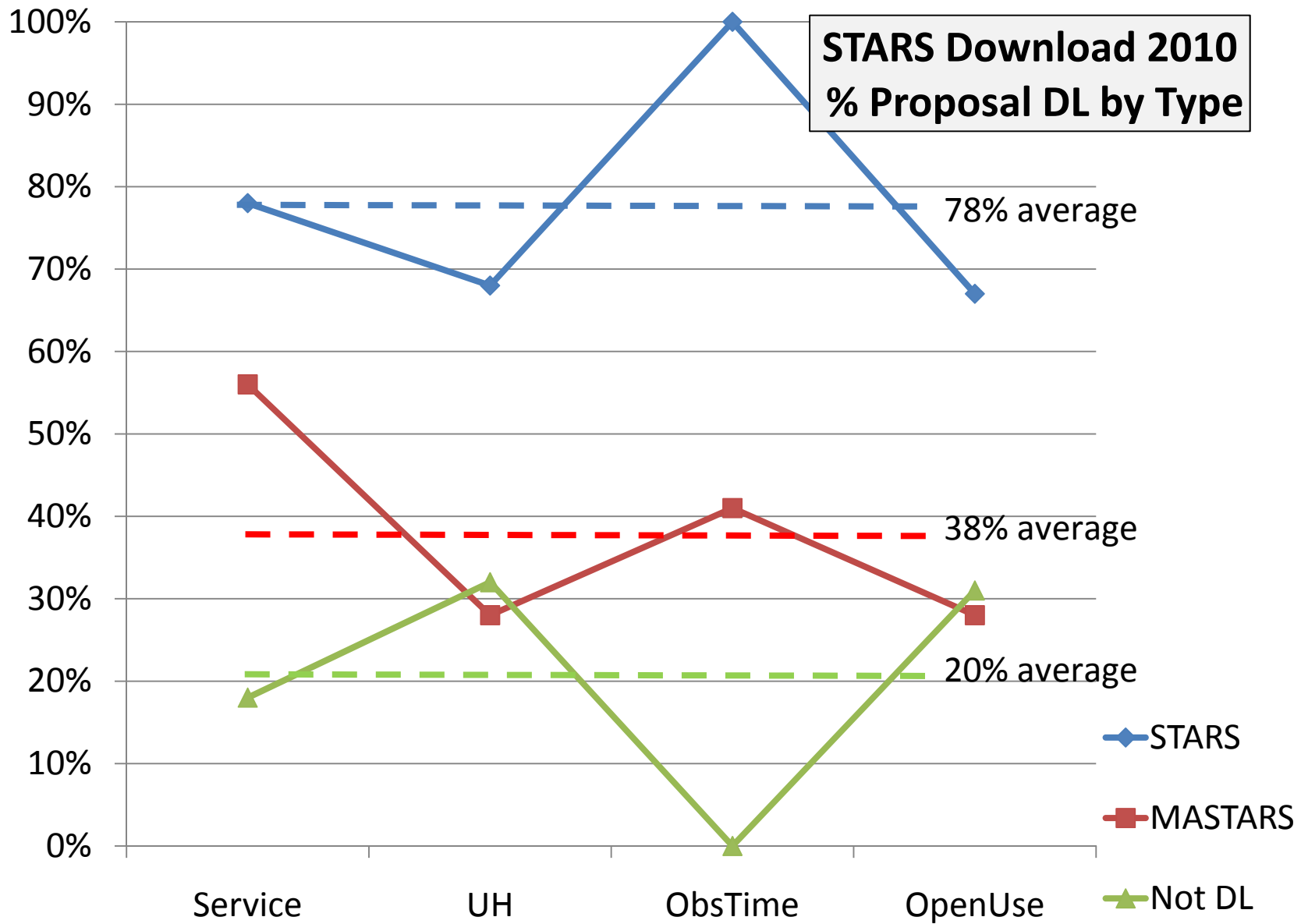
STARS/MASTARS
(Subaru Telescope Archive
System/Mitaka Advanced Subaru
Telescope Archive System)

Yearly Data Registrations (GB)

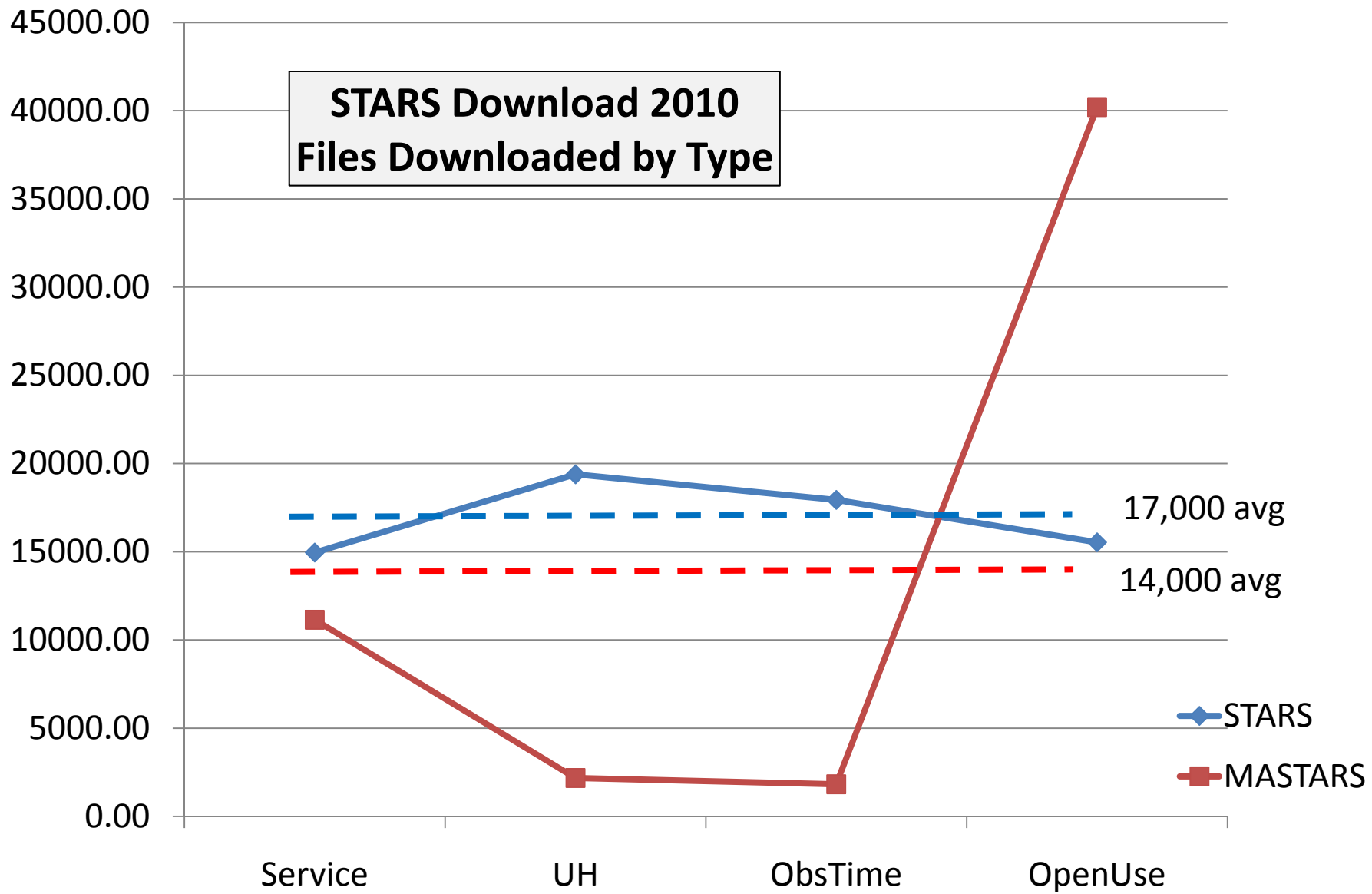


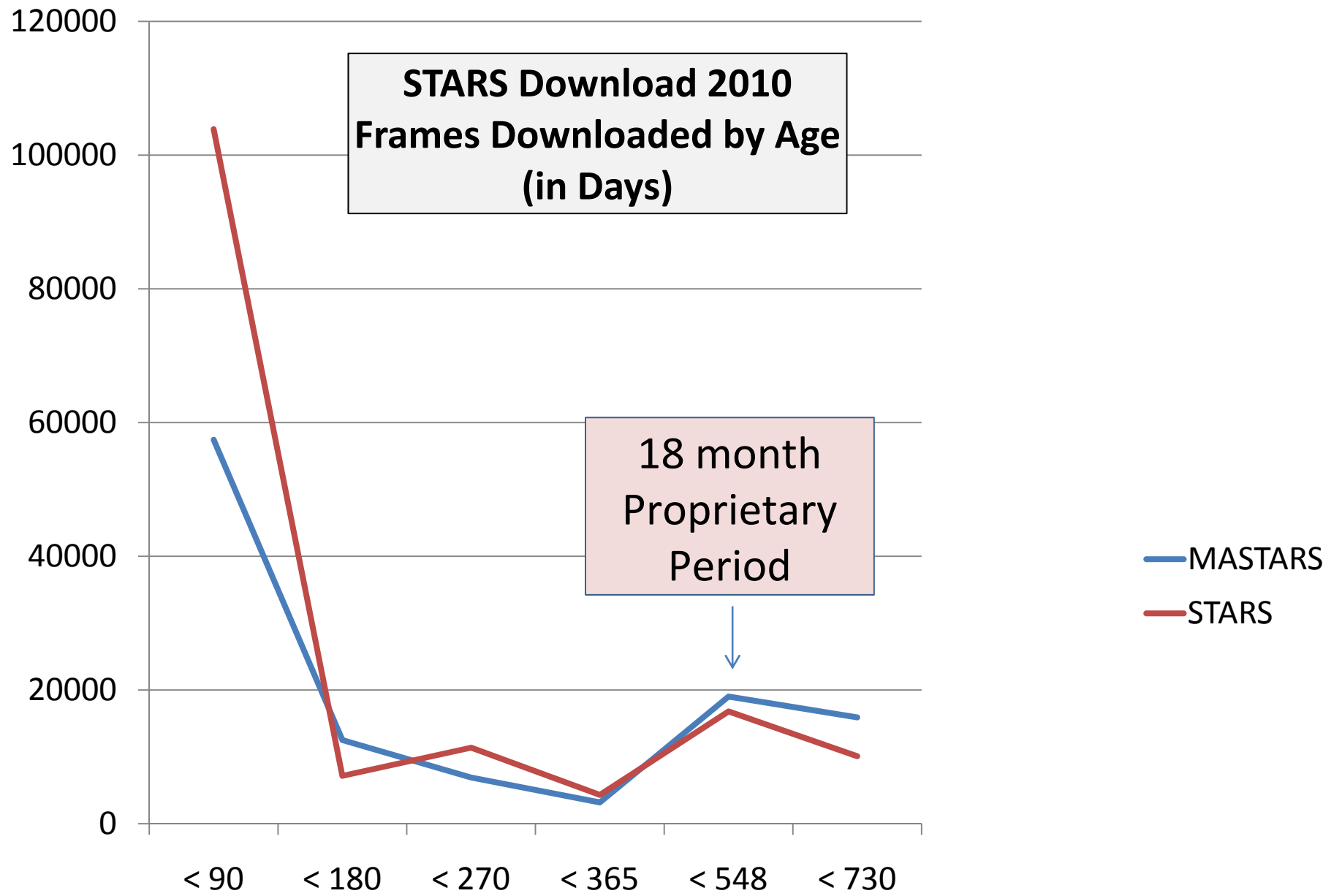
STARS Registration 2008-2010
Exposures by Instrument





**STARS Download 2010
Files Downloaded by Type**

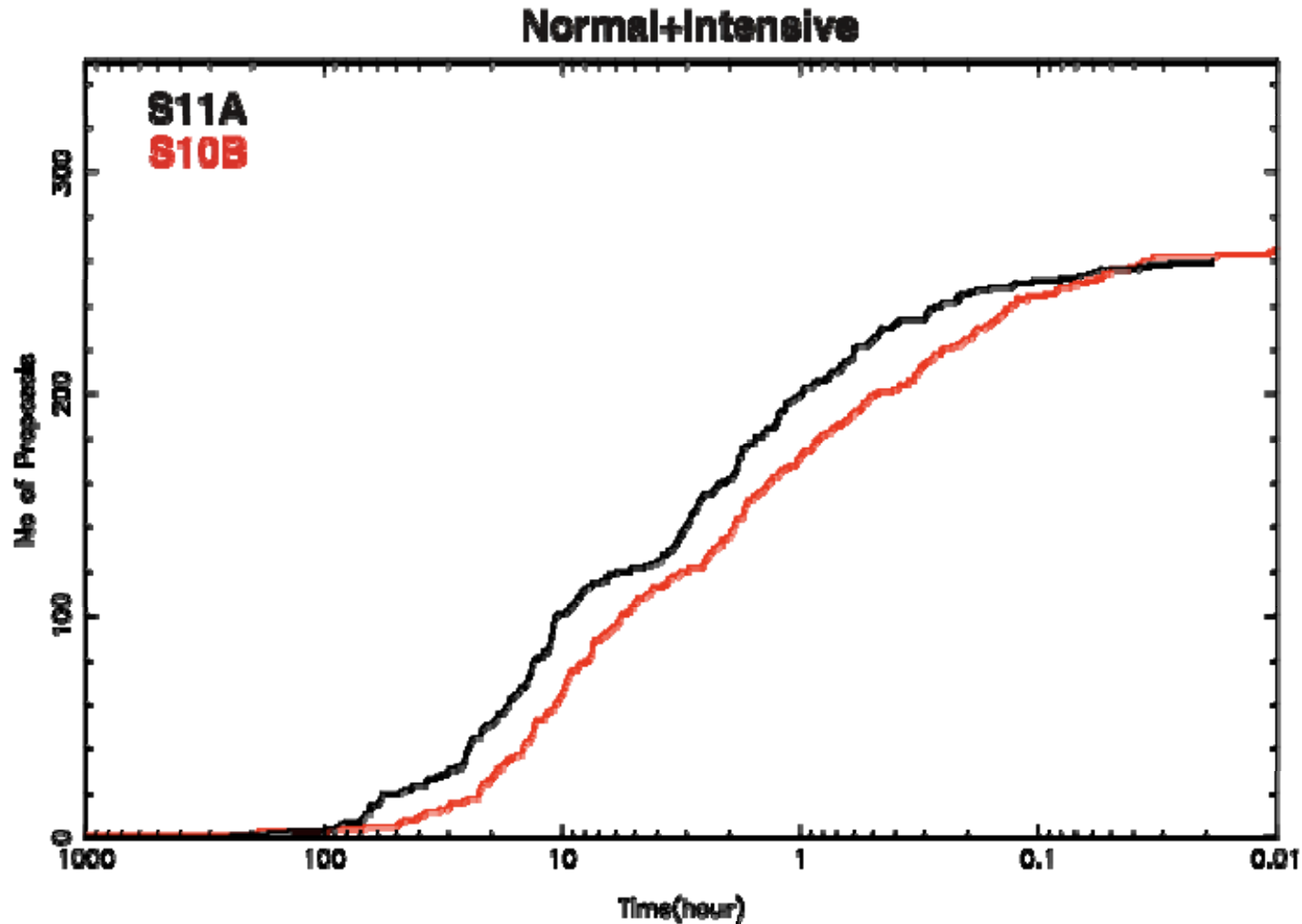




ProMS
(Proposal Management System)

How ProMS has been used

- 181 and 197 proposals for S10B and S11A were processed without major troubles.
- A half of submission (including update and failure) was made in the last 2-3 hours.



ProMS Improvements in 2010

- An FAQ page
 - typical troubles in submitting proposals are listed
- Enlargement of the “magnitude” field in target list
 - more detailed description and automatic folding of a line
- TeX entry for backup targets
 - for efficient telescope operation
- PIs can register their Col(s) to STARS via a Web page.

ProMS Plan in 2011

- Web submission
 - PIs can fill in web forms and upload scientific justification and finding chart in PDF files from a web page.

1. Title of Proposal

2. Principal Investigator

first name

last name

Institute

if others

Mailing Address

E-Mail Address

Phone

3. Scientific Category

- ✓ Not selected
- Solar System
- Normal Stars
- Extrasolar Planets
- Star and Planet Formation
- Compact Objects and SNe
- Milky Way
- Local Group
- ISM
- Nearby Galaxies
- AGN and QSO Activity
- QSO Abs. Lines and IGM
- Clusters of Galaxies
- Large-Scale Structure
- Gravitational Lenses
- High-z Galaxies
- Cosmological Parameters
- Miscellaneous

4. Abstract
(approximately 200 words)
LaTeX tags work

5. Co-Investigators

- Use of STARS ID to identify users.

Supporting Work for HSC in 2011

- Modernizing dome network
- Supporting design/procurement/installation/operation/maintenance of HSC data analysis computers
- Upgrading ana and hana
- Modifying STARS to accept compressed FITS files
- Enhancing STARS buffers