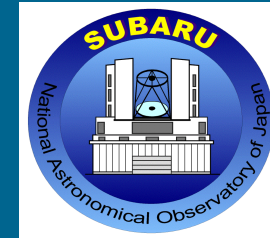


Subaru Users Meeting FY2015

Computer and Data Management Division
Kiaina Schubert

Network & Service Status



- Network

- No major changes
- University of Hawaii Infrastructure upgraded.
- Private networks between Mitaka – Hilo Base - Summit facilities

- Services

- PROMS, Open Use Report, Visitor Form, STARS
- Increase use of Mitaka Remote
 - Increase support of Cloud base VC system for observation.
 - Investigation of transfer data to increase performance.



Analysis & Instrument Computing Environment

- Continue Support of on-site analysis systems
 - Nightly Observation – SUMDA (Summit Control Room Linux Terminals)
 - Future Integration of BASE Analysis system for Observers.
 - User Terminals – Base, HP and Summit Facilities
 - Special Purpose Analysis Systems – HSC, Konan Univ.
- Increase support of Instrument Division Computing Requests
 - Support computing/network environment Instrumentation Servers
 - Interaction with Instrument Builders to address new network/computing
- Collaboration w/ OCS & Instrument Divisions to Virtualize Summit Analysis and Instrument Computing systems
 - Decrease physical/environmental footprint of systems.
 - Increase flexibility and reliability with VM environment
 - Testing of performance for data delivery and analysis
 - Helping instrument developers design and upgrade instrument control system

STN5 - ??? 2018

- **Major start of requirements gathering and design for STN5.**
 - Major hurdles – reduction of budget, maintain/increase computing environment, minimal manpower
 - Evaluation of current system deployment
 - Requirement/Desirable gathering for all divisions within Subaru
 - Manpower (In-house solution more IT person(s) OR contract solution)
 - Evaluation of new hardware/software solutions
 - Technical Possibilities
 - Virtual Environment
 - Cloud services - Webservers, STARS
 - Redesign/Relayout of Computing Environment to reduce Power/Cooling consumption.