

Mitaka Remote Observation

Merits

- Travel in Japan
(easy to reserve tickets,
less expensive(!))
- Short travel time

Demerits

- Limited Functions and Support
- Risk of Bad communication

Do you?

Background (to my understanding)

In this session 3, an important but maybe not explicitly talked issue is that the **budget** for Subaru operation is getting less and less.

Subaru project member and users must set “**priorities**”, on which finite resources should be spent.

In fact, Mitaka remote costs few, but not negligible.

Why NOW?

If we need more/new functions in the Mitaka remote, it is the time to plan. The system will be replaced on **2008/03** (or so).

e.g.) Multiple clients

both from Hilo/Mitaka?

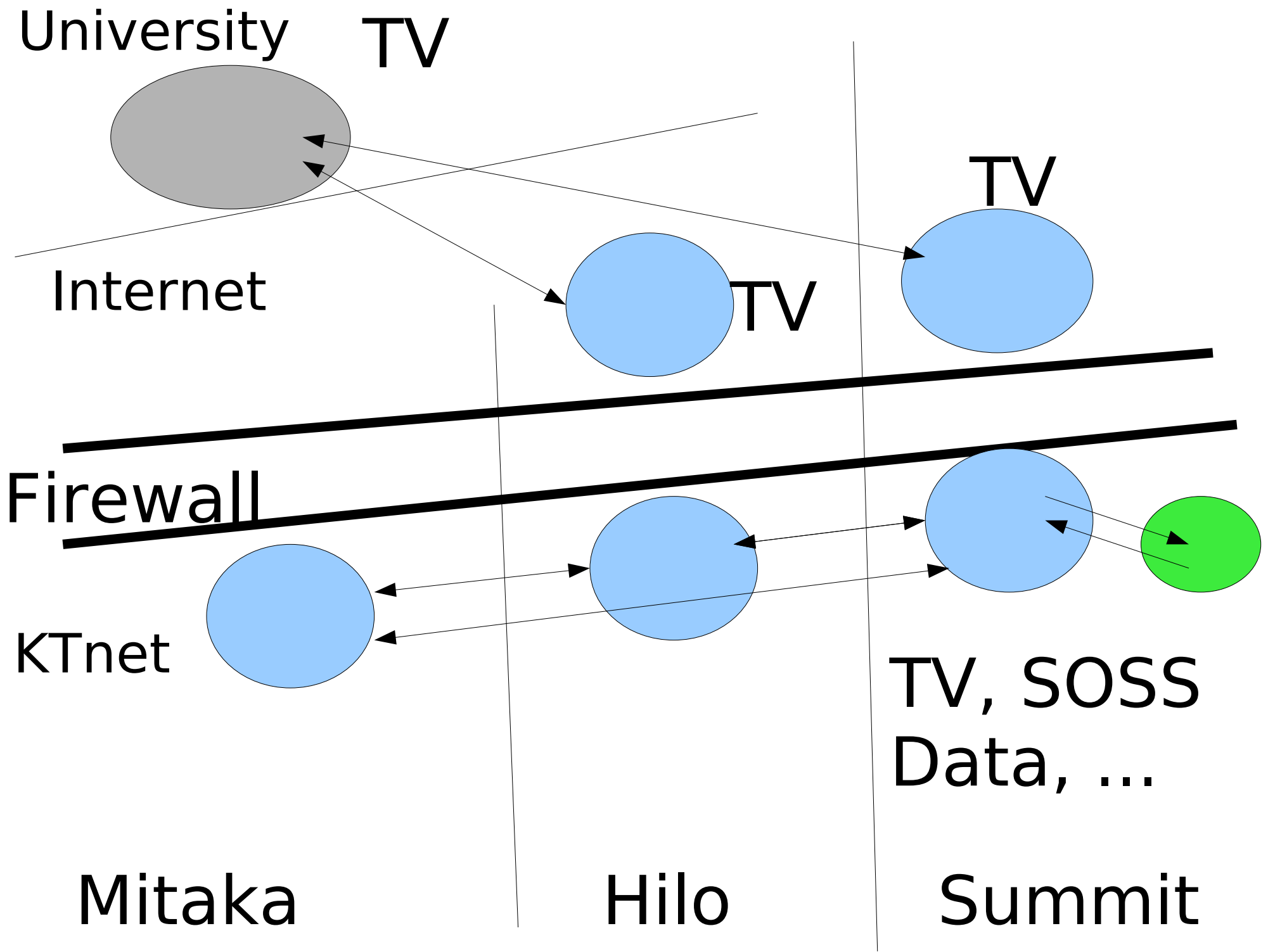
Remote instrument monitors?

Remote monitor from Institute?

Current Status

Remote Observation @Institute

- Telephone (or TV conf, if you have your system)
- No warranty
- Raw data @MASTARS via GW connection is narrow
- Observers pay network fee (in case of ISDN)



Current Status

Remote Observation @Mitaka

- TV conf.
- QuickLook in a few seconds
- Quick analysis on “*sbanda*”
- Telescope status, skymonitor command monitor, etc.
- Operation (eg. Slit alignment), technically possible, but not permitted (by policy)

Current Status

Remote Observation @Mitaka

Testing only when following conditions are met

- Subaru Mitaka staff joins
- Several divisions approve
- More than one PI/Co-I is at Hawaii

Difficulties

Remote Observation@Mitaka

- 1) Network connection
between Hawaii and Mitaka
is not 100% reliable.
(c.f. Summit-Hilo is very stable)

*Currently, at least one PI/Co-I
should be at Hilo to continue
observation

Difficulties

Remote Observation@Mitaka

2) No Support Scientists/Operator at Mitaka.

Technical advises not available.

3) Accommodation:

Observation ends around 2:00 AM (JST).

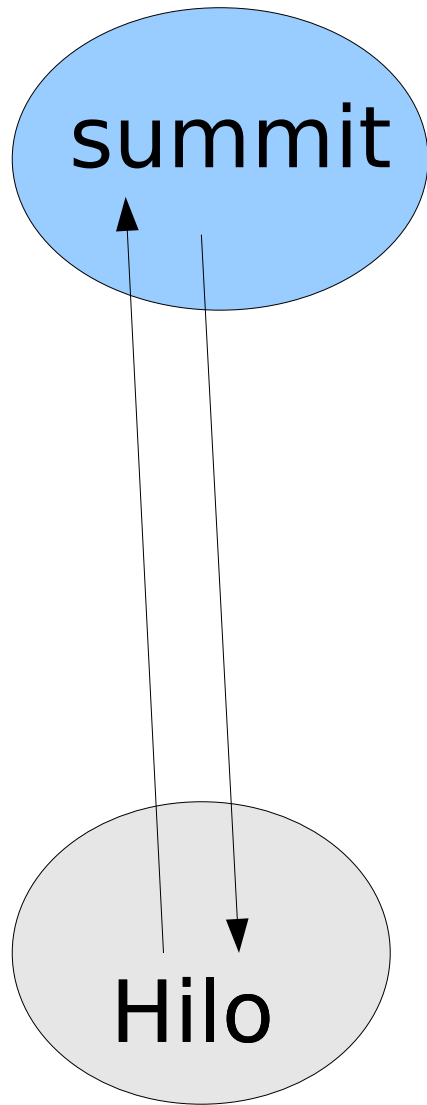
Cosmos-Kaikan would be the best, but often(?) be full...

Difficulties

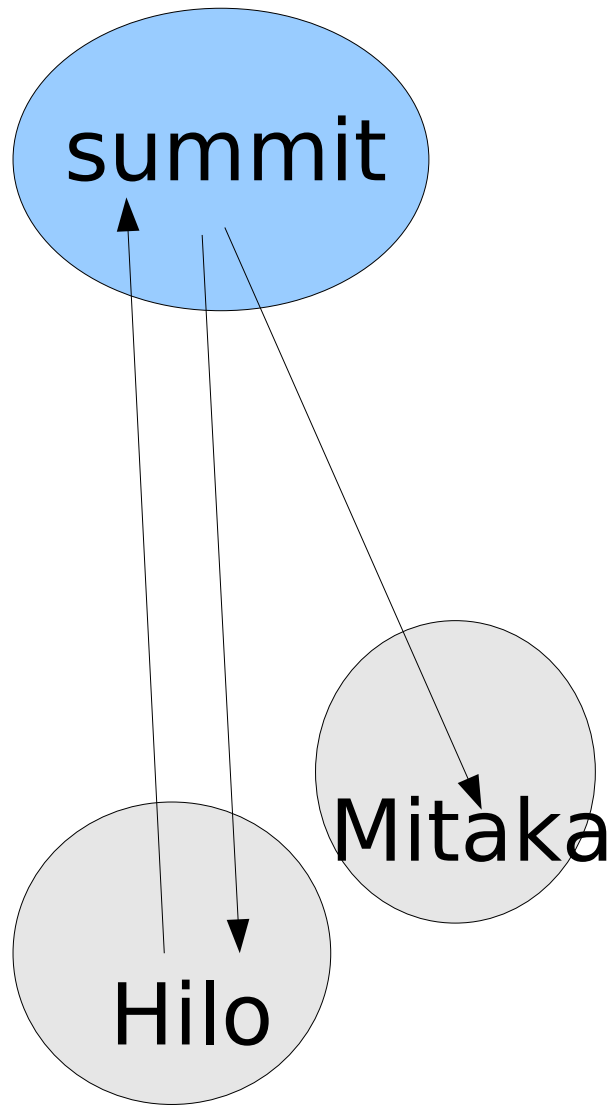
Remote Observation@Mitaka

- 4) Not all Instruments(OBCP) status monitors are available. If some are at Hilo, and some are at Mitaka, we need multiple clients.

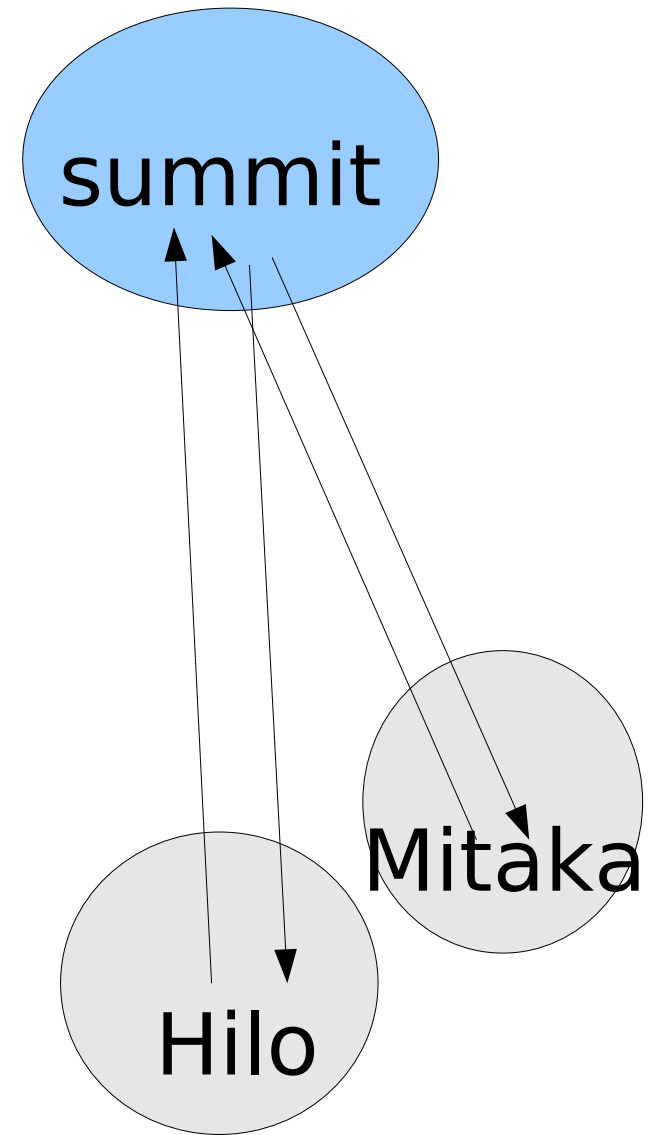
easy



so-so



difficult...



Difficulties

Remote Observation@Mitaka

5) Small but non-negligible time lag; the light speed is finite.
If one tries to “operate”,
the lag could be critical(?)

e.g.) Impatient person may click twice or more.

Note:
the following ideas/plans
are not authorized,
not discussed widely in
Subaru project.

Request for comments.

Phase 1: (if OK, 2006-, maybe)

Openuse Mitaka remote

- *One or more PI/Co-I at Hawaii

- *At Mitaka, status monitor and quicklook / quick reduction is available, with TV connection. (no operation from Mitaka)

- *PI should mail to mtkremote-req @ optik.mtk.nao.ac.jp 1 week before the observation, and be approved.

Phase 2: (2008??)

Mitaka remote with new system

- *After replacement of computer
- *Some operation from Mitaka, such as slit positioning.

(What do you want to do from Mitaka? Comments please)

Phase 3: (?????)

Remote monitor from Institute?
(in Queue observation? What do you want to watch?)

We need
testers

would you try?