

Integration Meeting Around Cryostat Room

08, Sep., 2015

Tomaru

Agenda

1) Schedule

- Duct Shield Fabrication
- Slow DAQ test schedule in Kamioka -> Aso-san?

2) Assembly

- AOS parts: wide-angle baffles, narrow angle baffles
Especially, how/who prepare optical lever for cryostat?

3) Surveying

- We plan to have surveying from this Sep. before duct-shield installation.

How we connect alignment lines between 1st and 2nd floors?

- I put pendulum from 2nd floor to 1st floor at Y-end and Y-front to check relative movement of tunnel floors.

Duct Shield Fabrication and Measurement

- Torisha Co. won bidding.

But its schedule was delayed about 2 month from last year bidding schedule.

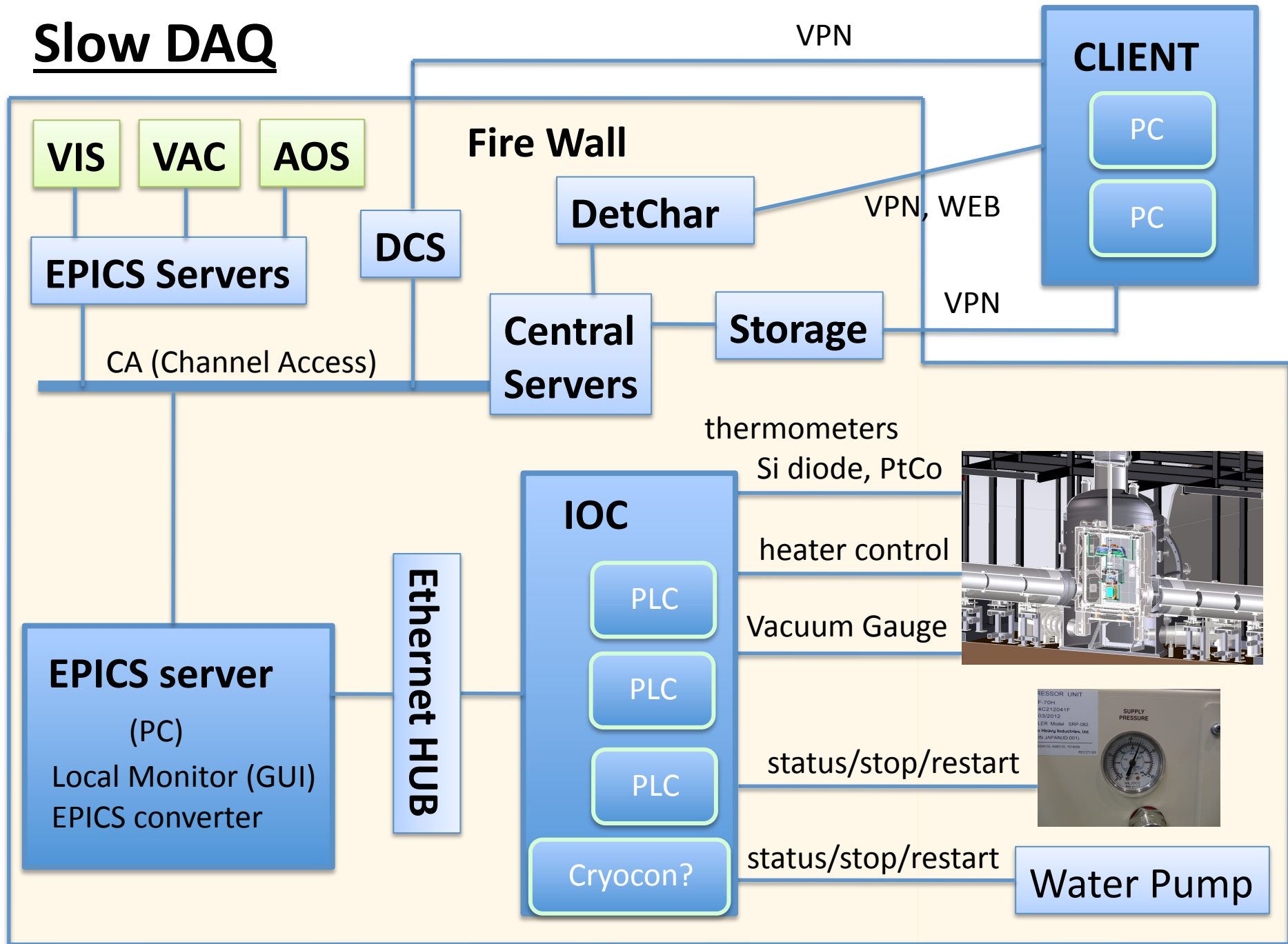
- Delivery of sol-blacked Al pipes will be mid. Jan. in 2016.
- Assembly of 1st duct shield in Torisha will be **mid. Feb. in 2016.**

This is a good timing to check sol-black quality or to do reflection test on the surface.

Can you have such measurements? -> Akutsu-san, Simon-san?

- Assembly of 2nd duct shield in Torisha will be **mid. or end of Mar. in 2016.**
- Installation of 1st duct shield will be end of Mar.
- Installation of 2nd duct shield will be Apr or May.

Slow DAQ



Thermometers

Si Diode: 0.5V – 1.5V for 300K – 4K

PtCo Resistance: 110 Ω – 7 Ω for 300K – 4K

Number for Channel

Cryostat: 10ch

Payload: 6ch

Duct Shield: 8ch x2 = 16ch

70K cryocooler: 4ch x 2 = 8ch

4K cryocooler: 4ch x 4 = 16ch

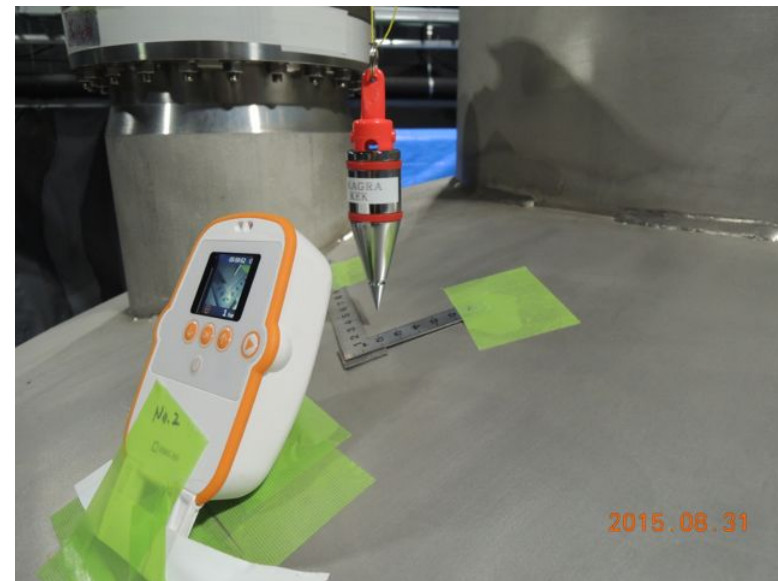
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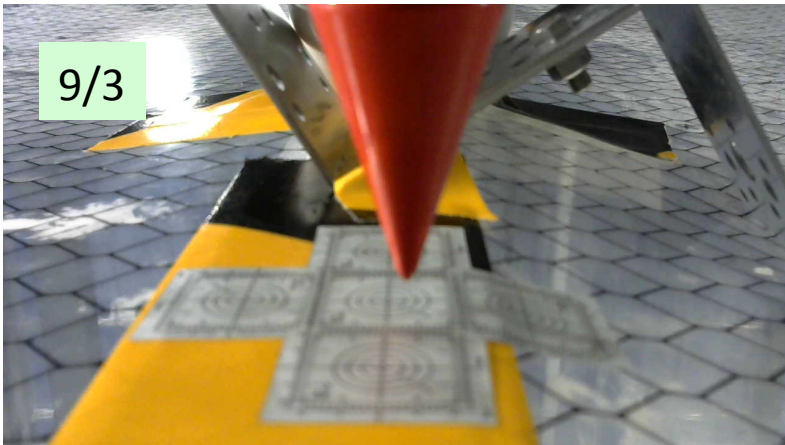
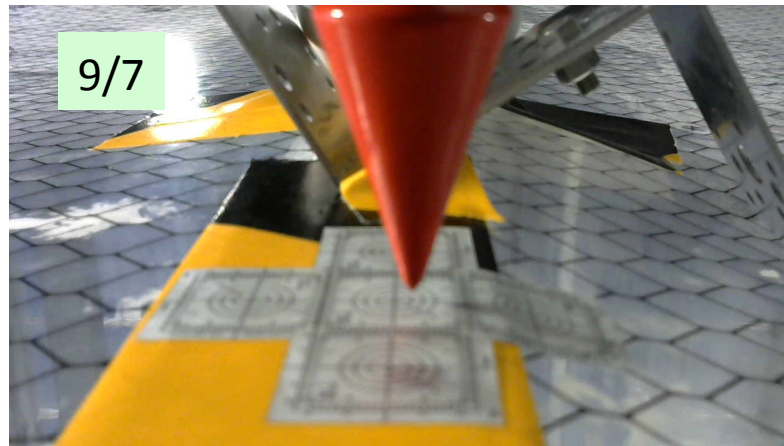
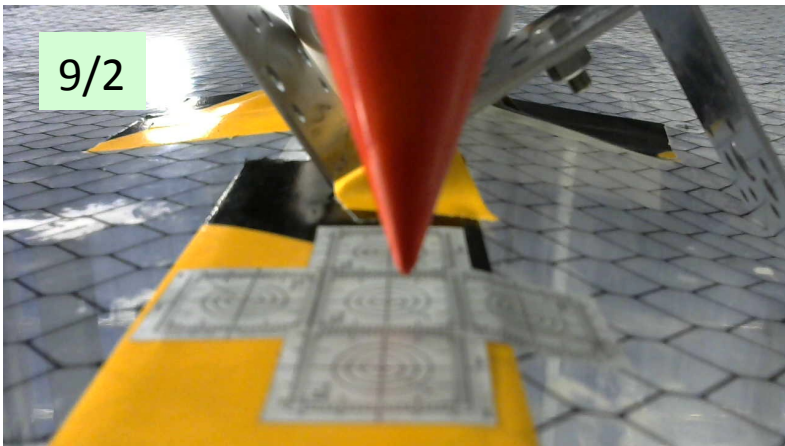
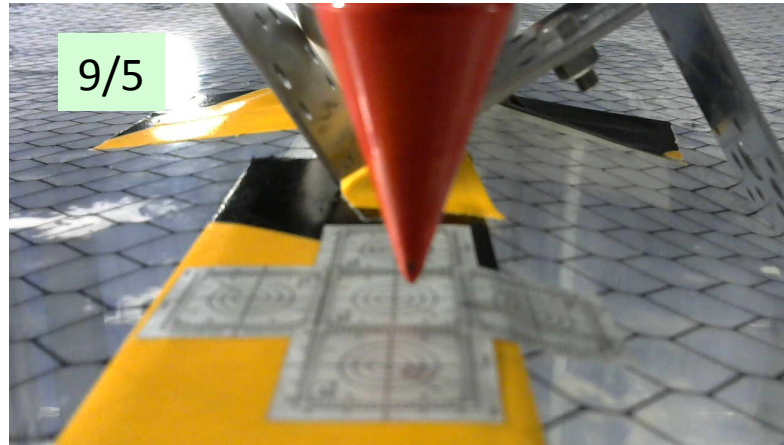
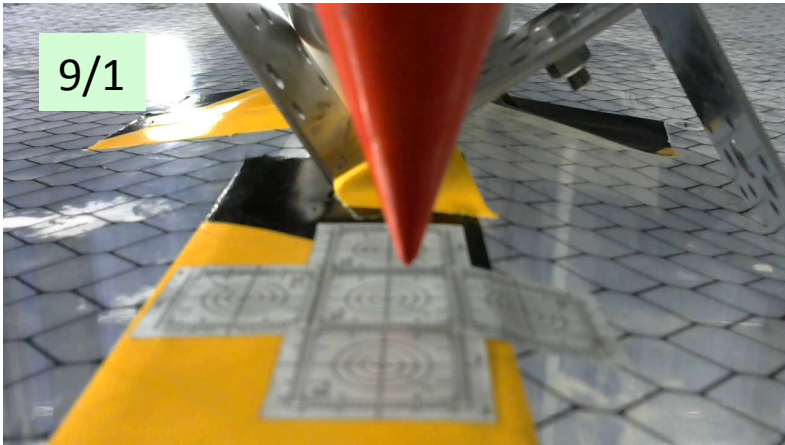


56ch
in total

I think we should have DAQ test of some thermometers in iKAGRA.

Y-front





Creeping of string?