

2015-05-19 Detchar meeting

iKAGRA Schedule

MC will start operation in middle of July. Commissioning team will do engineering run using MC for 1 month. DET will join the run and test the detchar tools, system.

The data will be transferred to the outside of the KAGRA site

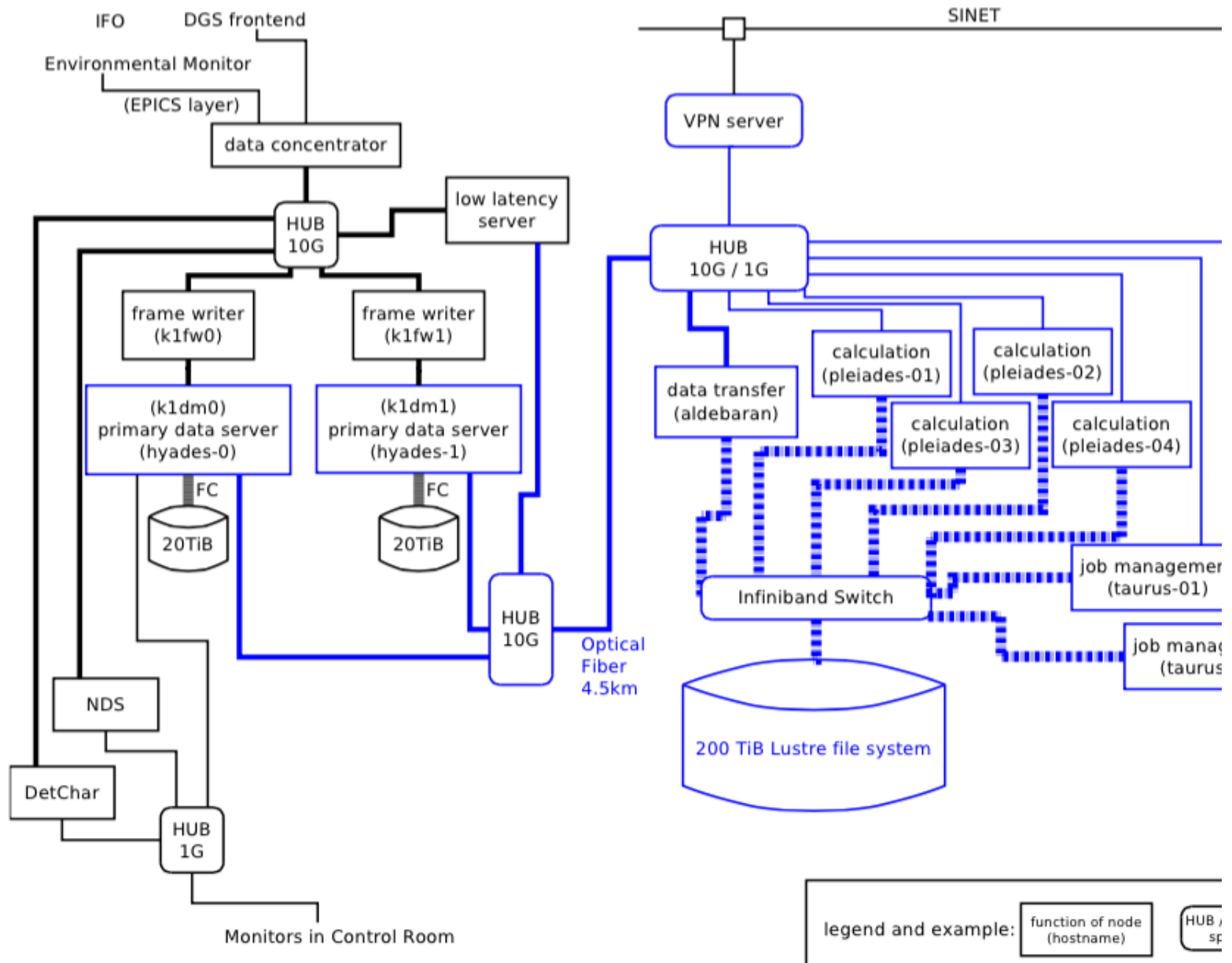
MC alignment control	1日	15/07/15 (水)	15/07/15 (水)		100
Measurement for alignment control	1日	15/07/15 (水)	15/07/15 (水)		
Measure sensing matrix	1日	15/07/15 (水)	15/07/15 (水)	144	100
Measure open loop transfer function	1日	15/07/15 (水)	15/07/15 (水)	144	100
Measure transmittance of MC	1日	15/07/15 (水)	15/07/15 (水)	144	100
Measure efficiency of power stabilization	1日	15/07/15 (水)	15/07/15 (水)	144	100
Measure beam jitter of MC	1日	15/07/15 (水)	15/07/15 (水)	144	100
Long time operation	1日	15/07/15 (水)	15/07/15 (水)	144	100
Data storage available check	0日	15/07/22 (水)	15/07/22 (水)	160,161	
Engineering run using MC	5日	15/07/16 (木)	15/07/22 (水)	152	100
Test of data streaming to outside of the KAGRA site	5日	15/07/16 (木)	15/07/22 (水)	152	

Cont'd

- In 11/30, the calibration will be completed, and the sensitivity curve will be calculated. DET will provide the Sensitivity monitor. (What kind of ?)
- The science observation mode will be defined on 1 Dec.
- DET will prepare the data quality categorization on 2 Dec
- Validation of the software for data quality categorization will be completed on 2 Dec.
- Preparation of PEM

Observation	23日	15/11/30 (月)	15/12/30 (水)		
Start of iKAGRA observation	0日	15/12/02 (水)	15/12/02 (水)	359	
Two week DAQ 1	10日	15/12/03 (木)	15/12/16 (水)	352	ALL
Two week DAQ 2	10日	15/12/17 (木)	15/12/30 (水)	353	ALL
Complete of iKAGRA observation run	0日	15/12/30 (水)	15/12/30 (水)	354	
Start science	3日	15/11/30 (月)	15/12/02 (水)		
Calculate sensitivity	1日	15/11/30 (月)	15/11/30 (月)	350	MIF
Define science observation mode	1日	15/12/01 (火)	15/12/01 (火)	357	MIF
Preparation of sensitivity monitor	1日	15/12/02 (水)	15/12/02 (水)	358	DET
Preparation of data quality categorization	1日	15/12/02 (水)	15/12/02 (水)		
Validation of software for data quality categorization	1日	15/12/02 (水)	15/12/02 (水)	358	DET
Prepare physics and environment monitor	5日	15/06/01 (月)	15/06/05 (金)		
Seismic motion	1日	15/06/01 (月)	15/06/01 (月)		DET
Temp and humidity	1日	15/06/02 (火)	15/06/02 (火)	363	DET
Mic	1日	15/06/03 (水)	15/06/03 (水)	364	DET
Magnetic field	1日	15/06/04 (木)	15/06/04 (木)	365	DET
Vacuum	1日	15/06/05 (金)	15/06/05 (金)	366	DET

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Measurement of environmental activities at the X-End

- We prepared a web-based quick look page. Currently environmental data are transferred from the DAQ at the XEnd to the detchar cluster at the OCU via ssh protocol automatically. The data are analyzed with a few seconds and quick-look page are generated.**
- The screen shot is https://dl.dropboxusercontent.com/u/66037561/Quick_Look_of_Environmental_Activities.pdf**
- Last week, the ADC board was replaced to new one.**
- We need pre-amps to measure Kamioka seismic activities.**
- Currently a wiki page for this project are being developed to share .**

K-J workshop

DMG(Kanda)

DAS(Tagoshi)

KAGALI(Oohara)

CBC(Ueno)

CBC-PE(Narikawa)

Burst(Hayama)

CBC-PE(KGWG)

Detchar_J(Hayama)

- Status and plan for shift of glitch monitor at X-end

HHT (Takanashi, Oohara)

Detchar KGWG

- ANNveto
- 相関解析
- HHT