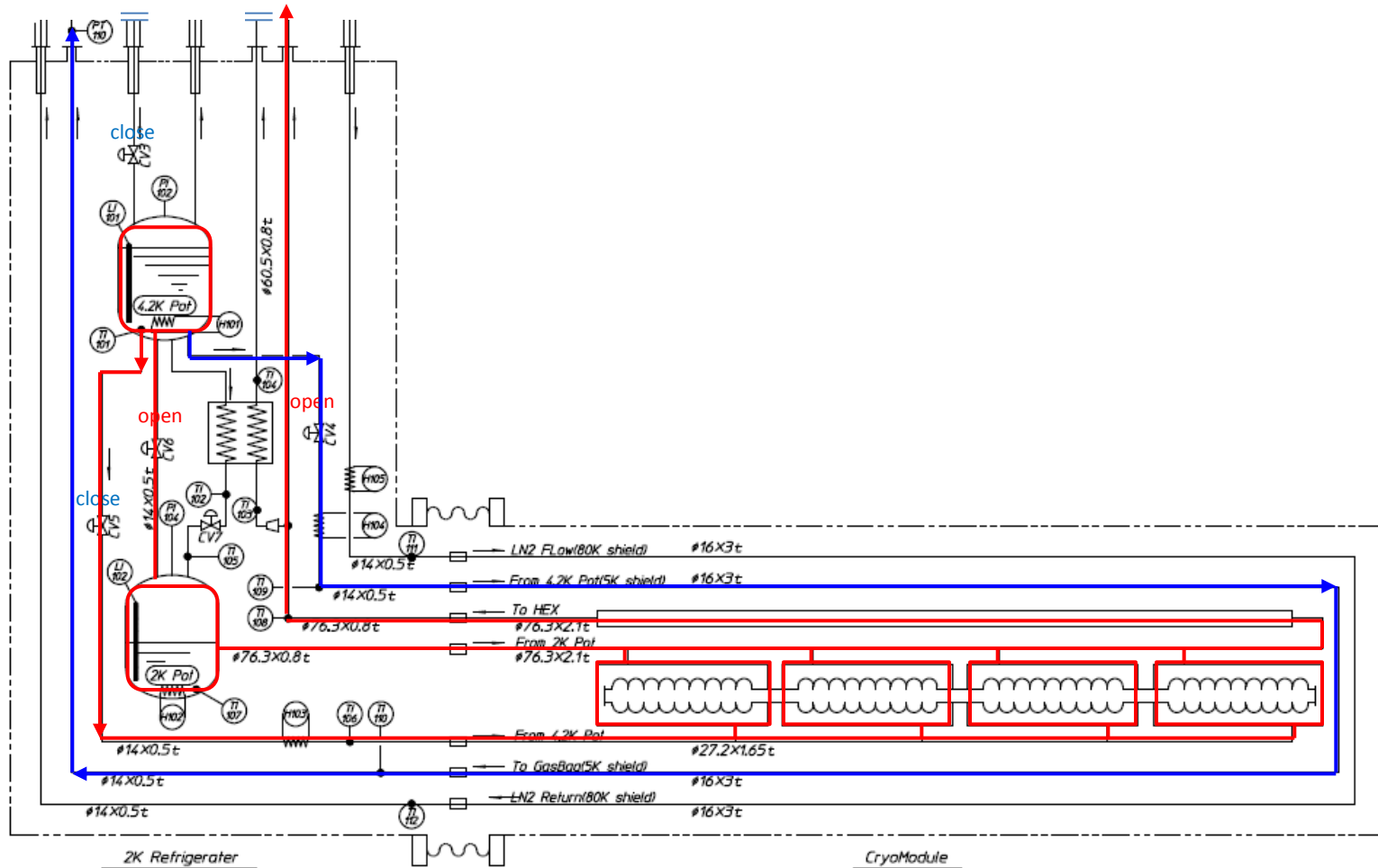


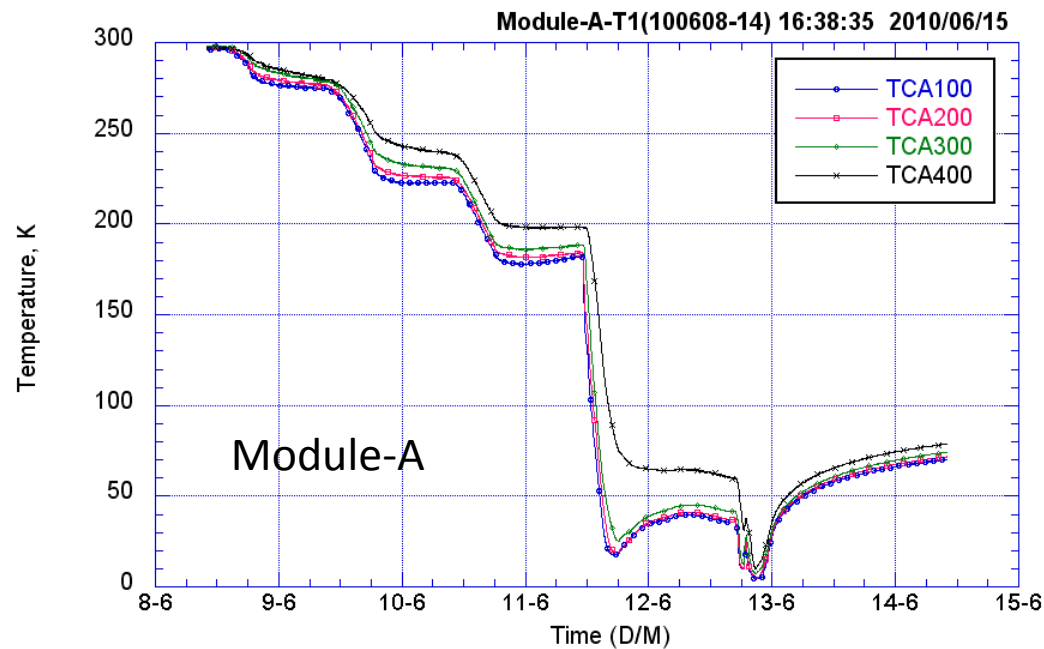
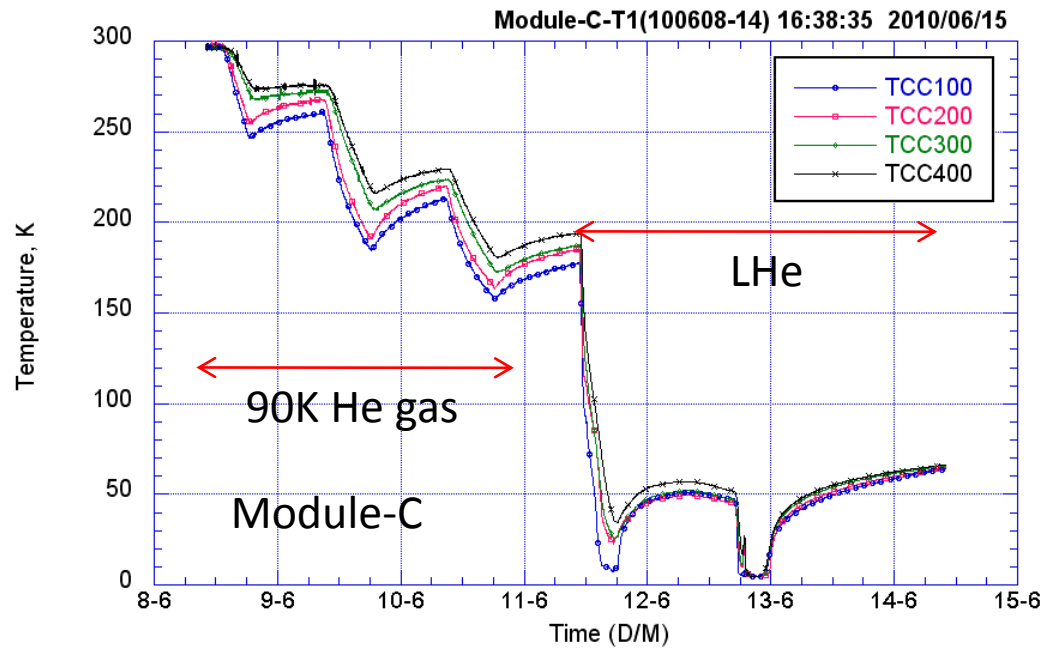
S1-G Cryomodule-Cool-Down Status

Norihito Ohuchi

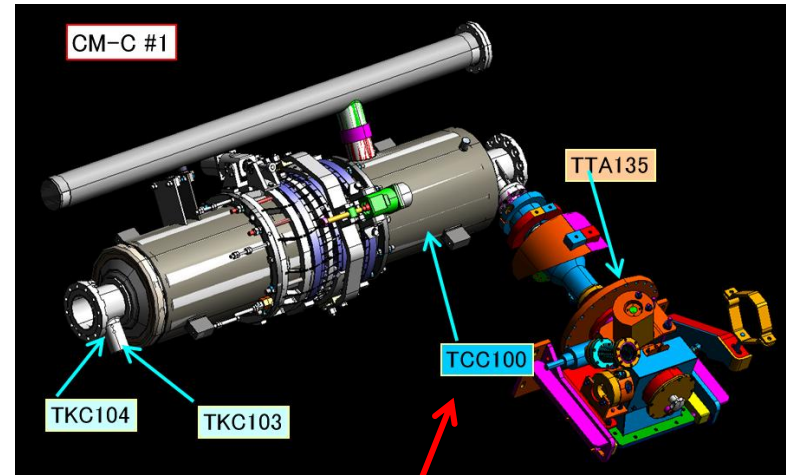
Cool-down of S1G cryomodule

- The cool down of S1G cryomodule started from 8th June.
- Cooling process is reported by Hirotaka Nakai.

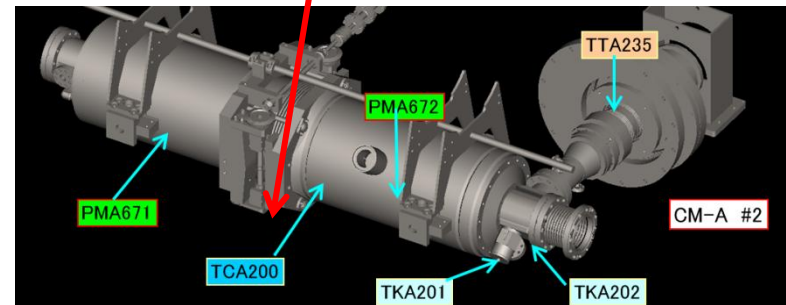




8 cavity jackets



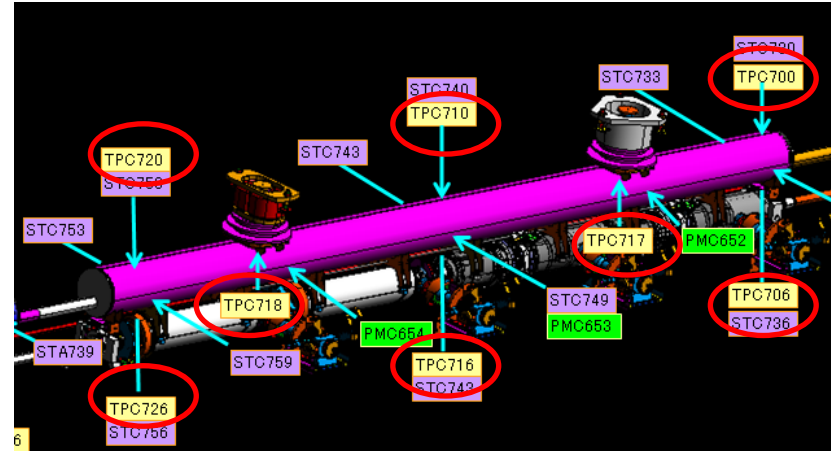
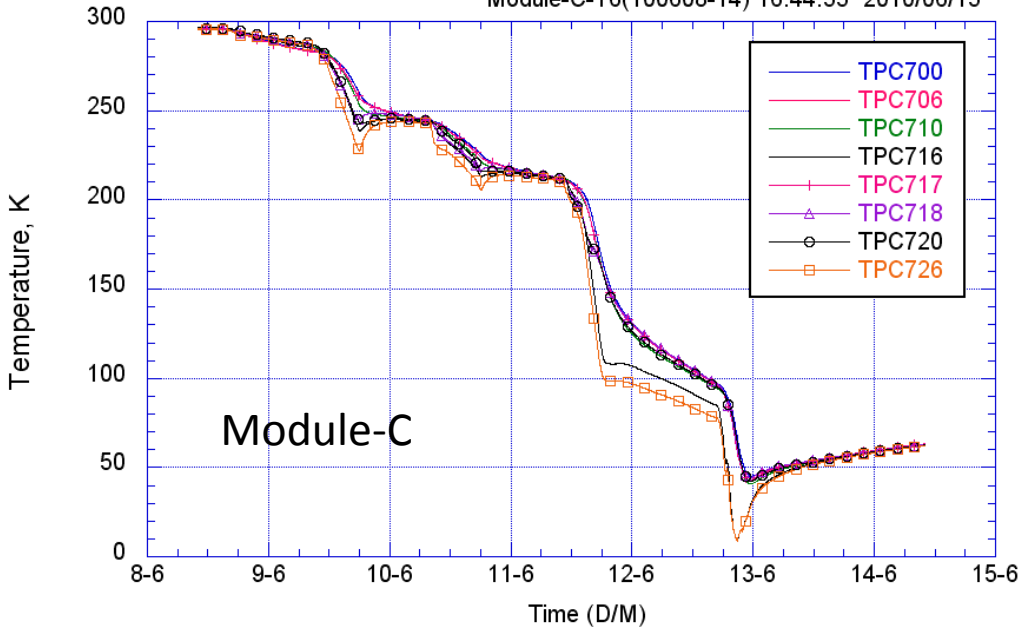
Cernox sensors



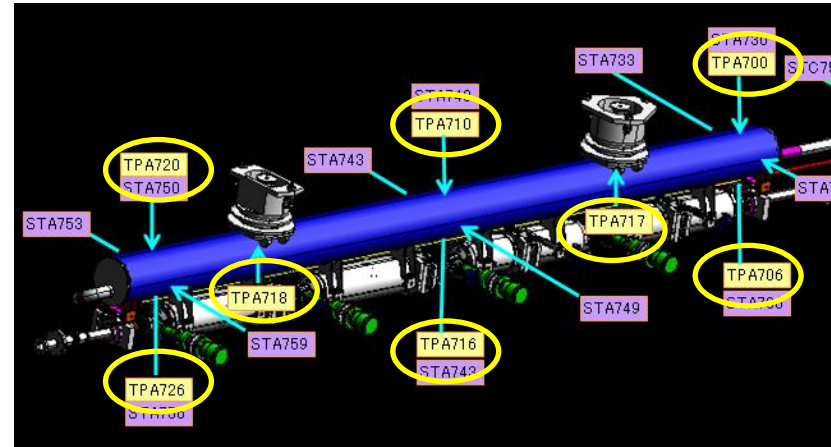
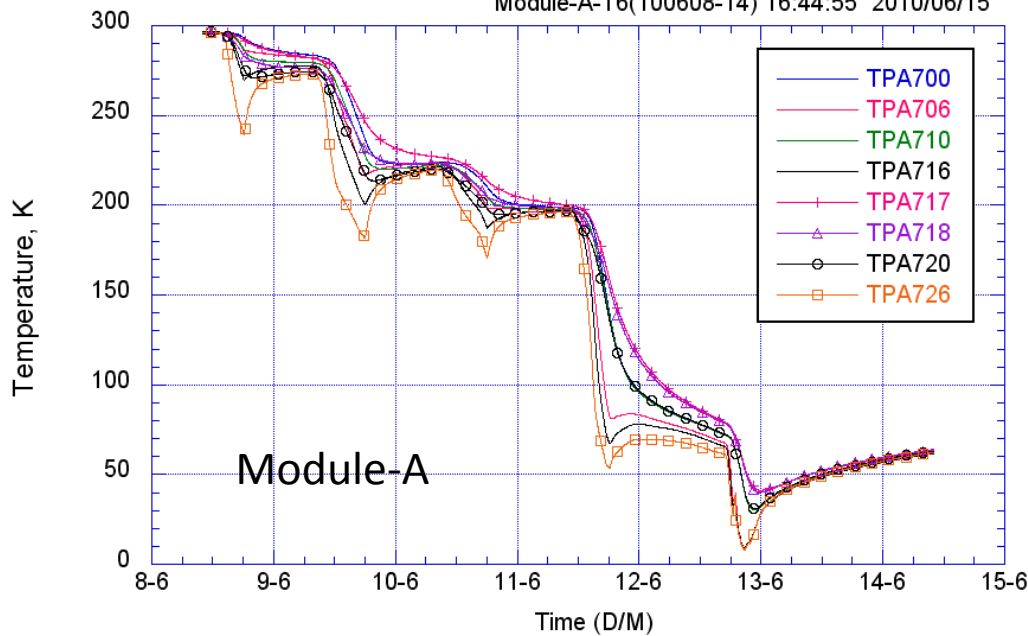
GRPs

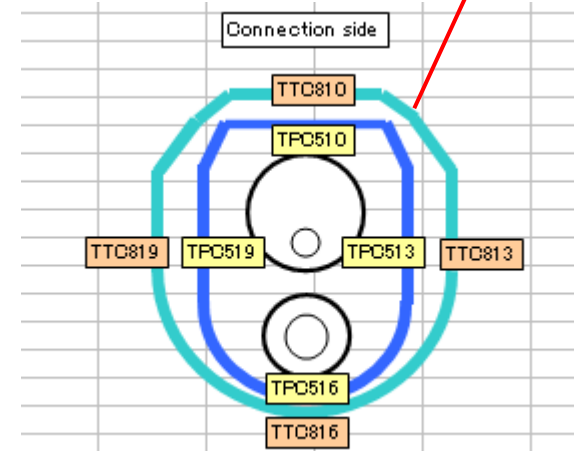
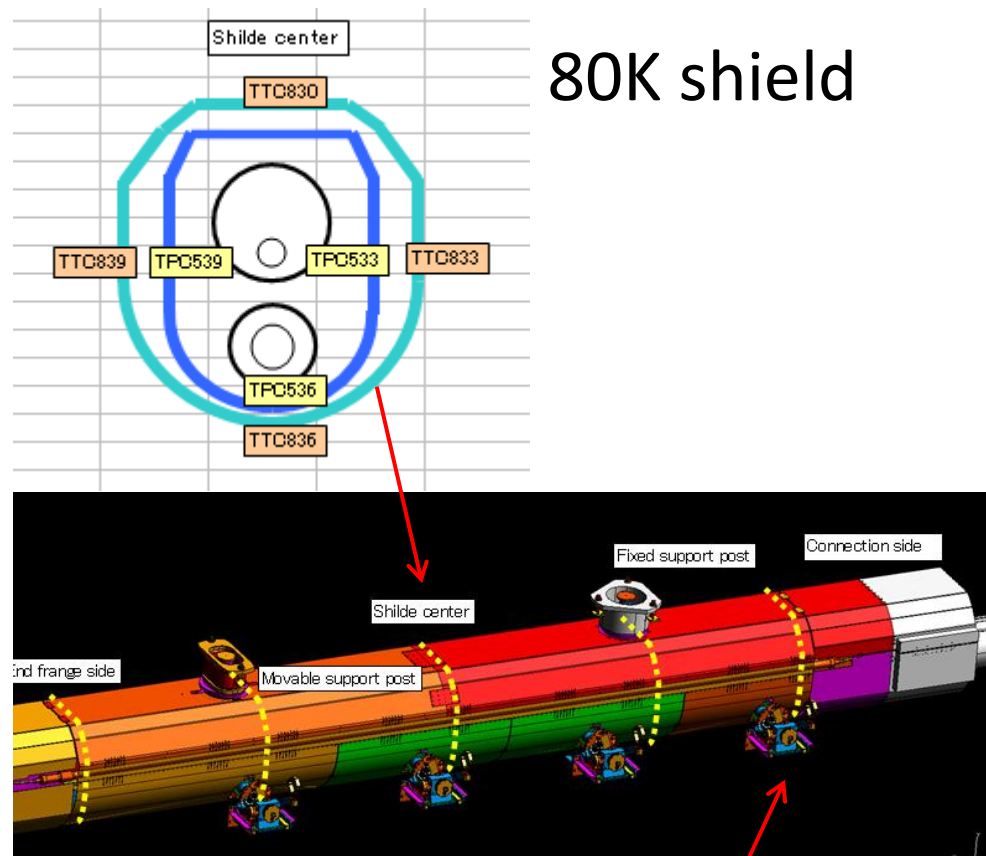
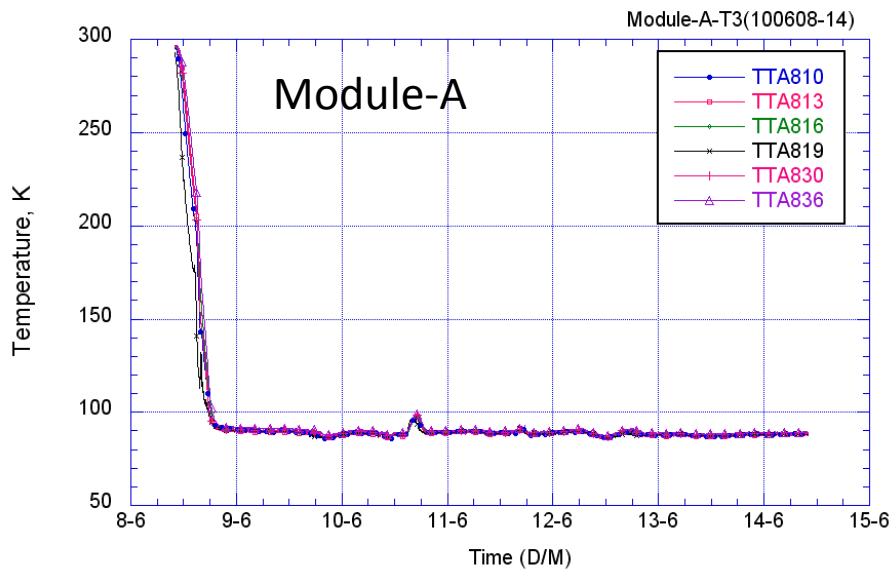
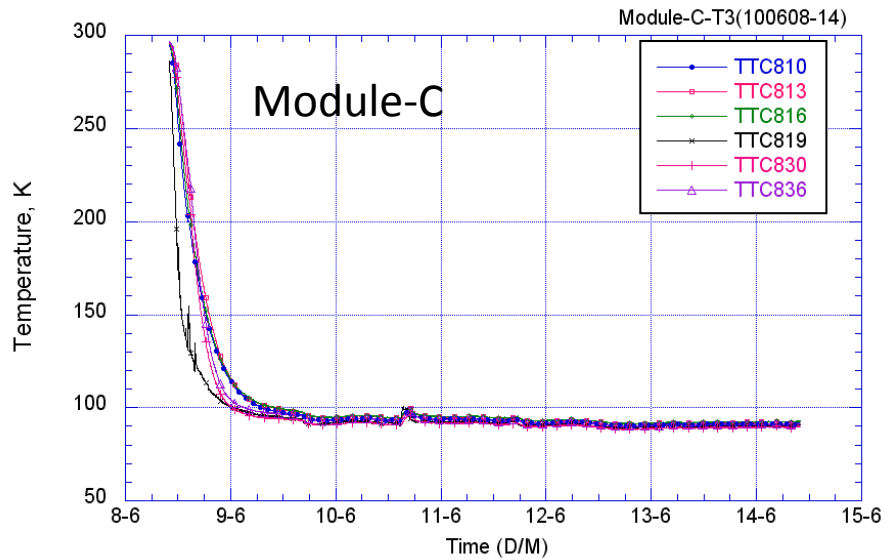
Temperature sensors: PtCo

Module-C-T6(100608-14) 16:44:55 2010/06/15

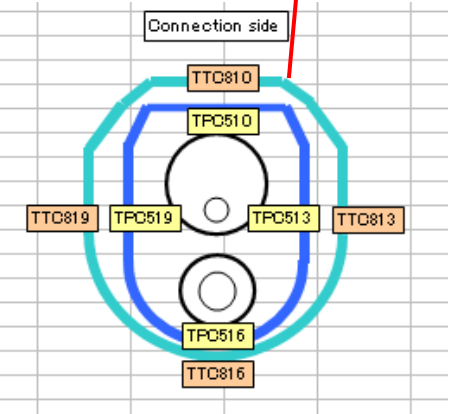
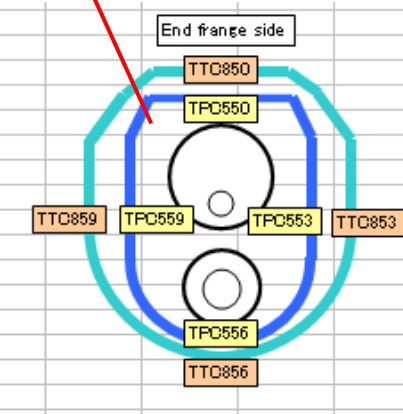
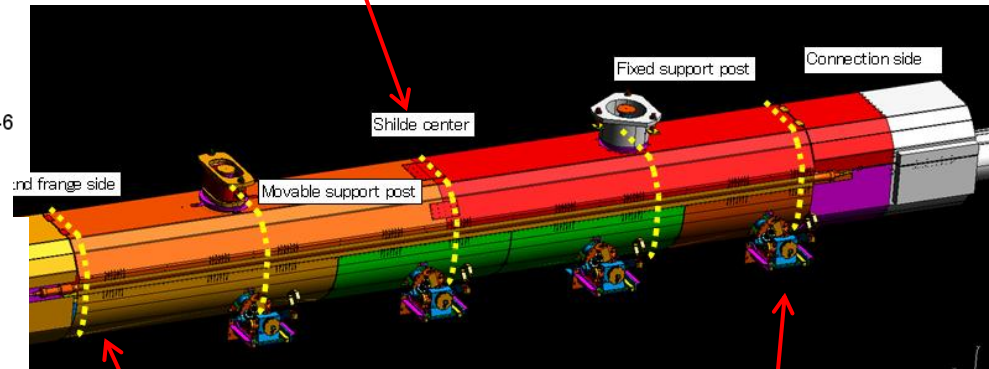
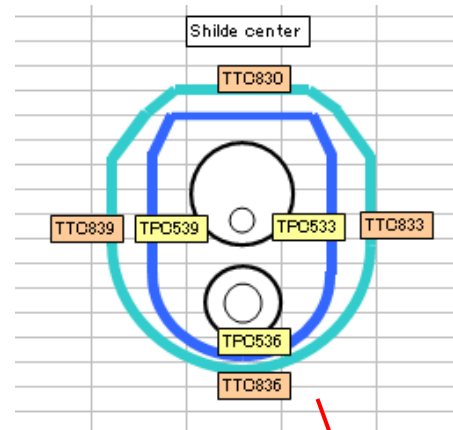
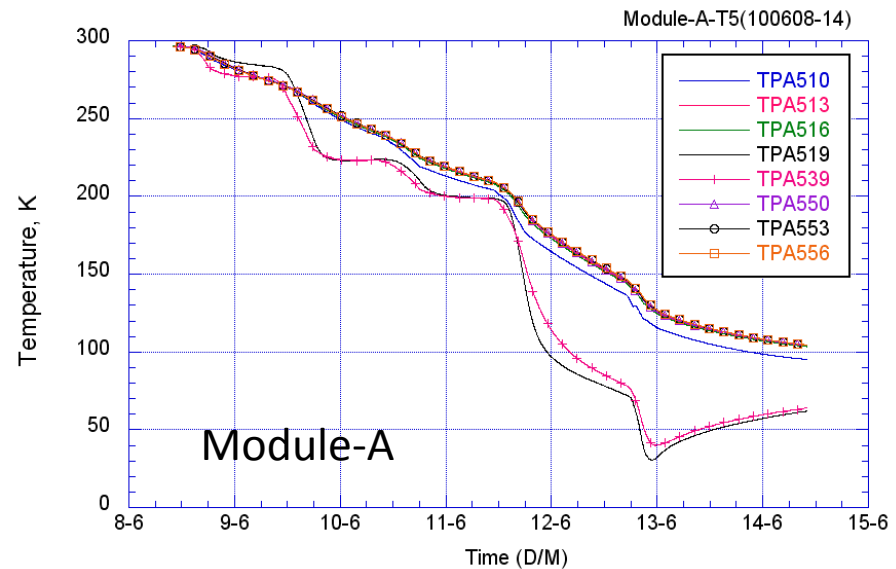
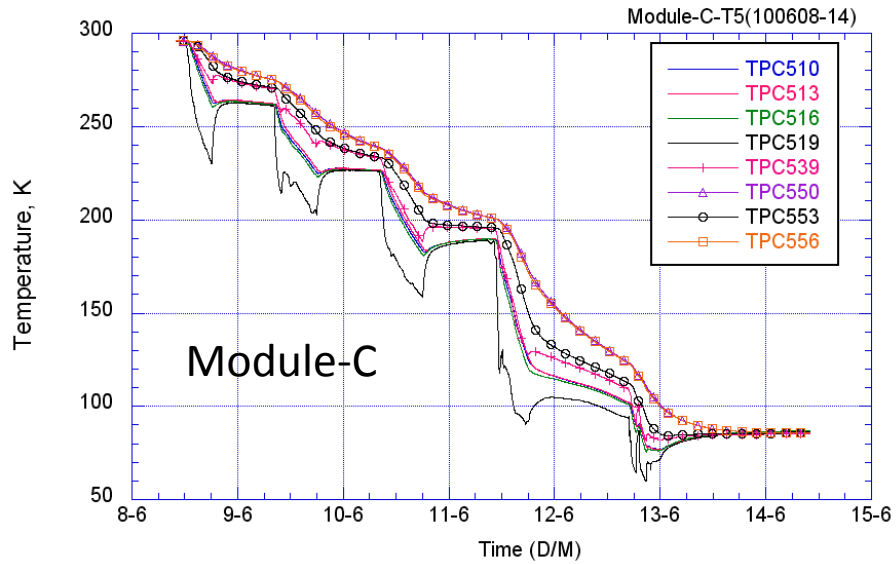


Module-A-T6(100608-14) 16:44:55 2010/06/15

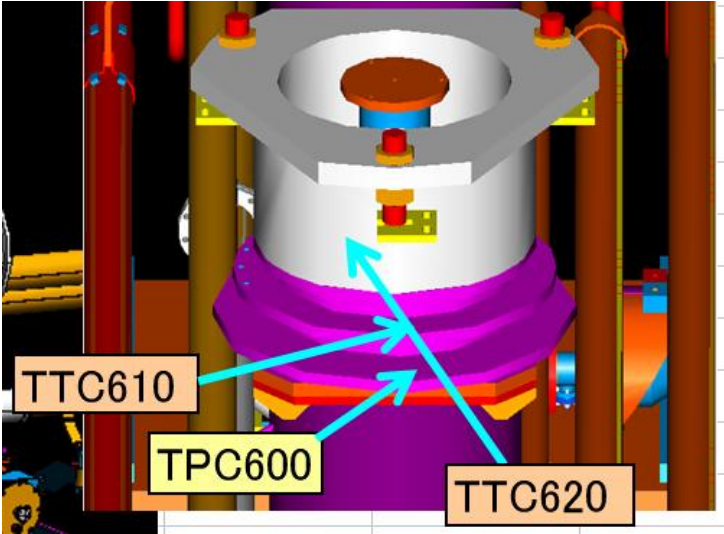
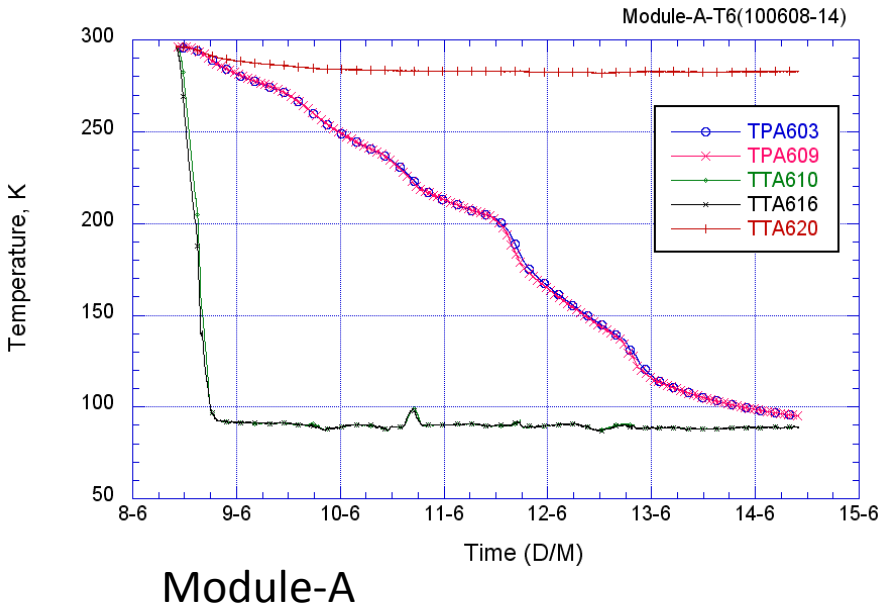
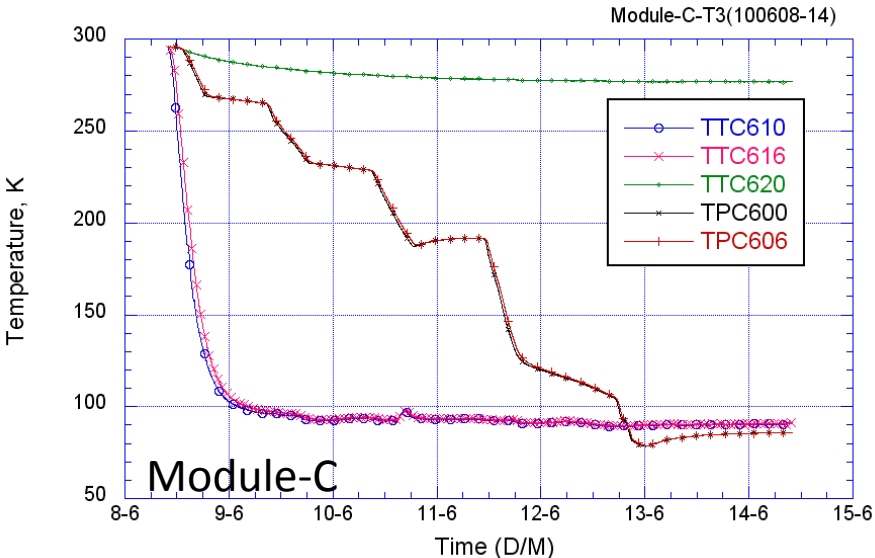




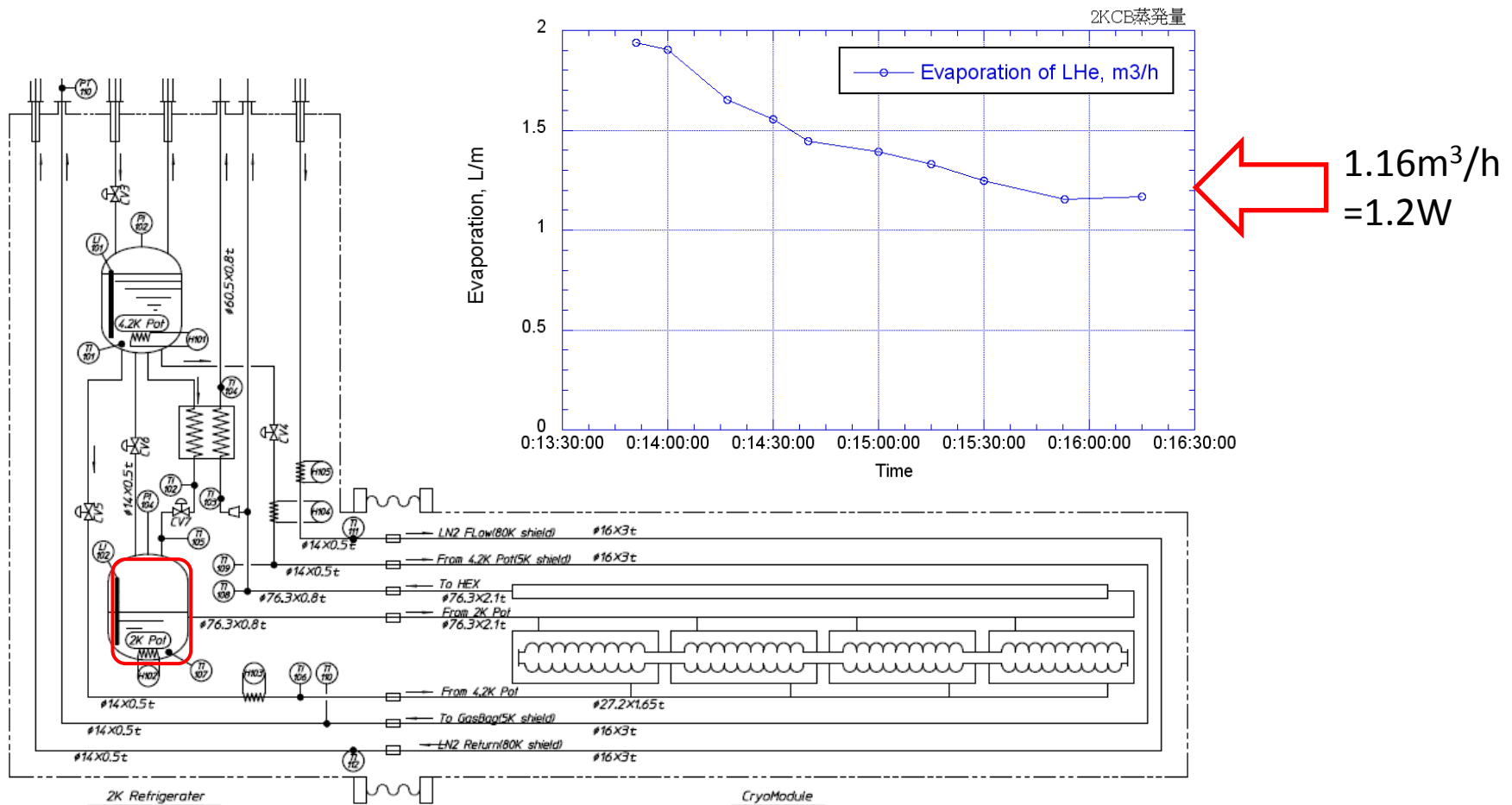
5K shield



Support Post



Heat load measurement at 2KCB-2K Pot at 4K by measuring evaporated helium gas



Thermal test schedule at 4K

Mon	Tue	Wed	Thu	Fri	Sat	Sun
June 7	Cool-down by 90K helium gas				Cooling 80K shields down to LN2 temp.	Non-cooling cryomodule
	Cooling 80K shields with LN2 until 22:00					
June 14	Cool-down by LHe	Heat load meas. at 4K				
1. Supplying LHe to 2K dewar in the 2K Cold Box. 2. Heat loss measurement at the 2K CB . 3. After the measurement, continuing cooling Modules with LHe.	1. Cooling Modules with LHe to 4K.	1. Heat load meas. of S1-G modules at 4K. 1-A. Heat load meas. @ 4K steady condition. 1-B. HL meas. @ 4K with heater (Calibration) Heater power: • half of HL of S1G module • HL of S1G module	1. Heat load meas. of S1-G modules at 4K. 1-A. Heat load meas. @ 4K steady condition. 1-B. HL meas. @ 4K with heater (Calibration) Heater power: • half of HL of S1G module • HL of S1G module		Pumping to 2K	Cooling 80K shields down to LN2 temp.
			<u>Repeatability</u>			Non-cooling cryomodule

15 June 18:45

MC: #1=4.44K, #2=4.51K, #3=4.52K, #4=4.52K
 MA : #1=4.54K, #2=4.56K, #3=4.68K, #4=5.14K