

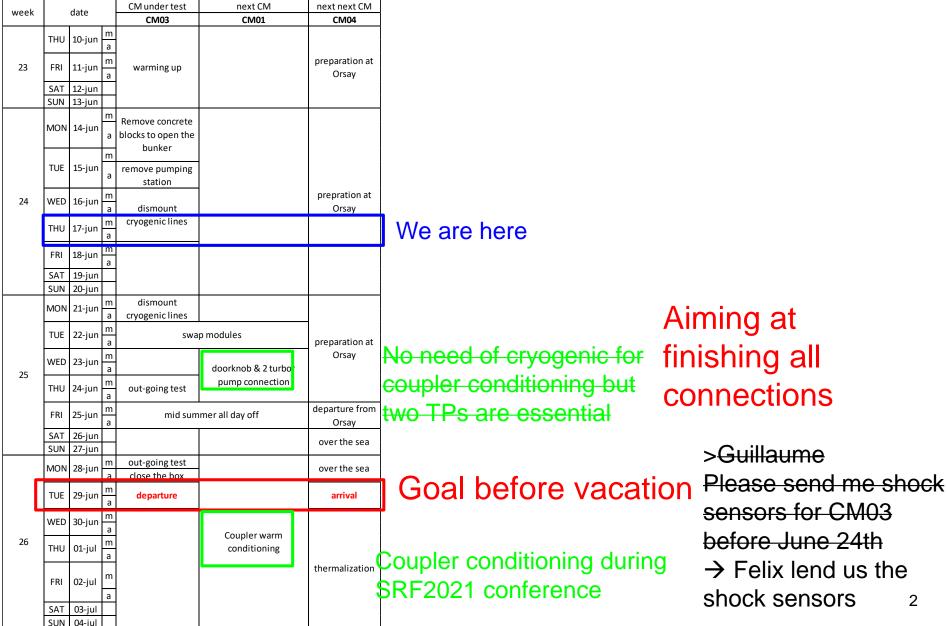
ESS weekly meeting (W24)

A. Miyazaki et al.



W24 progress and planning







W24 progress and planning



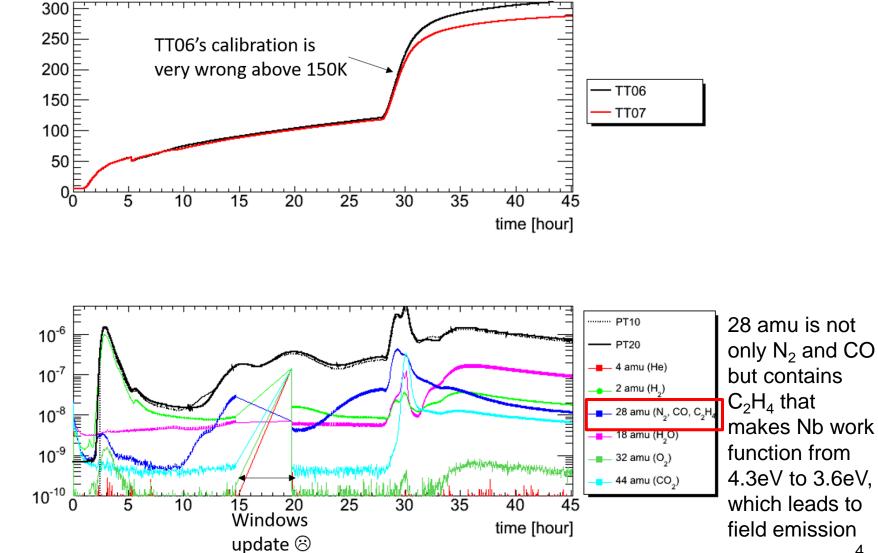
week		date		CM under test	next CM	next next CM	
week		uate		CM03	CM01	CM04	
23	тни	10-jun	m a				
	FRI	11-jun	m a	warming up		preparation at Orsay	
	SAT	12-jun					
	SUN	13-jun					
	MON	14-jun a		Remove concrete blocks to open the bunker			
24	TUE	15-jun	m a	remove pumping station			
	WED	16-jun	m a	dismount cryogenic lines		prepration at Orsay	
	тни	17-jun	m a				
	FRI	18-jun	m a				
	SAT	19-jun					
	SUN	20-jun					
	MON	21-jun	а	dismount cryogenic lines		-	
	TUE	22-jun	m a	swa	preparation at		
25	WED	23-jun	m a		doorknob & 2 turbor	Orsay	
	тни	24-jun	m a	out-going test	pump connection		
	FRI	25-jun	m a	- mid summer all dav off		departure from Orsay	
	SAT	26-jun				over the sea	
	SUN	27-jun	_				
	MON	28-jun	m a	out-going test close the box		over the sea	
	TUE	29-jun	m a	departure		arrival	
	WED	30-jun	m a		Coupler warm		
26	THU	01-jul	m a		conditioning		
	FRI	02-jul	m a			thermalization	
	SAT	03-jul					
	SUN	04-jul					



temperature [K]

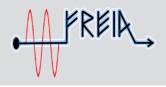
pressure [mbar]

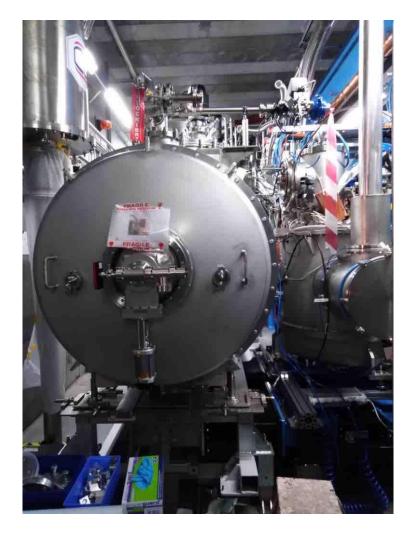
FRE Warming up and outgassing (new insight)





CM03: preparation for shipping



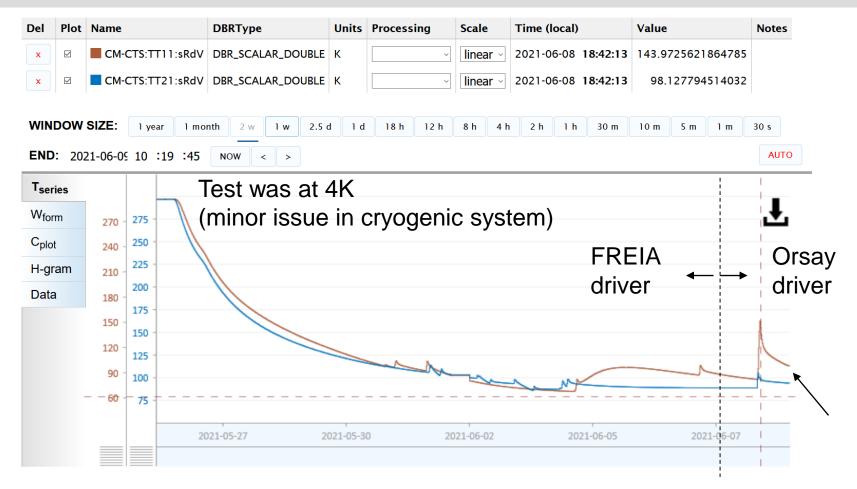




On going



Reminder: doubt in the motor driver

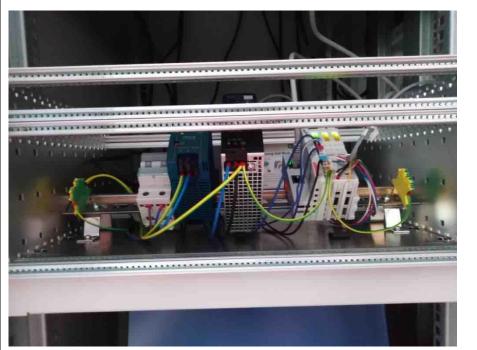


- The driver from Orsay heats up the stepper motor by factor
 3-4 higher than the one at UU
- Doubt in motor driver's configuration in general



Our motor driver





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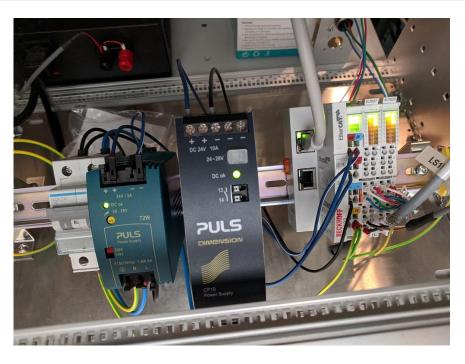
- Sending the beckhoff driver and power supply is easy
- Controlling front-end computer cannot be sent
 - The same computer controls timing system (crucial)
 - The software is localized to UU
 - If the test at Orsay needs the identical software in EPICS, installation of hardware/software needs to be planned at Orsay
- The driver at Orsay seemed OK
 - Why not copy this driver and use it at UU in coming tests?
 - \rightarrow We need to use the ESS driver



Our motor driver 2







Motion Crate could be sent. Compatibility with ESS software? Config file? Cables?

- Beckhoff EtherCat 1100
- 2 EL7037 Beckhoff driver modules
- 24 V power supply
- Control crate should not be sent
- Cpci crate controller
- Crate also contains the LLRF timing generator system