





Powering Tests Coordination meeting #102

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01.03.2022

General info

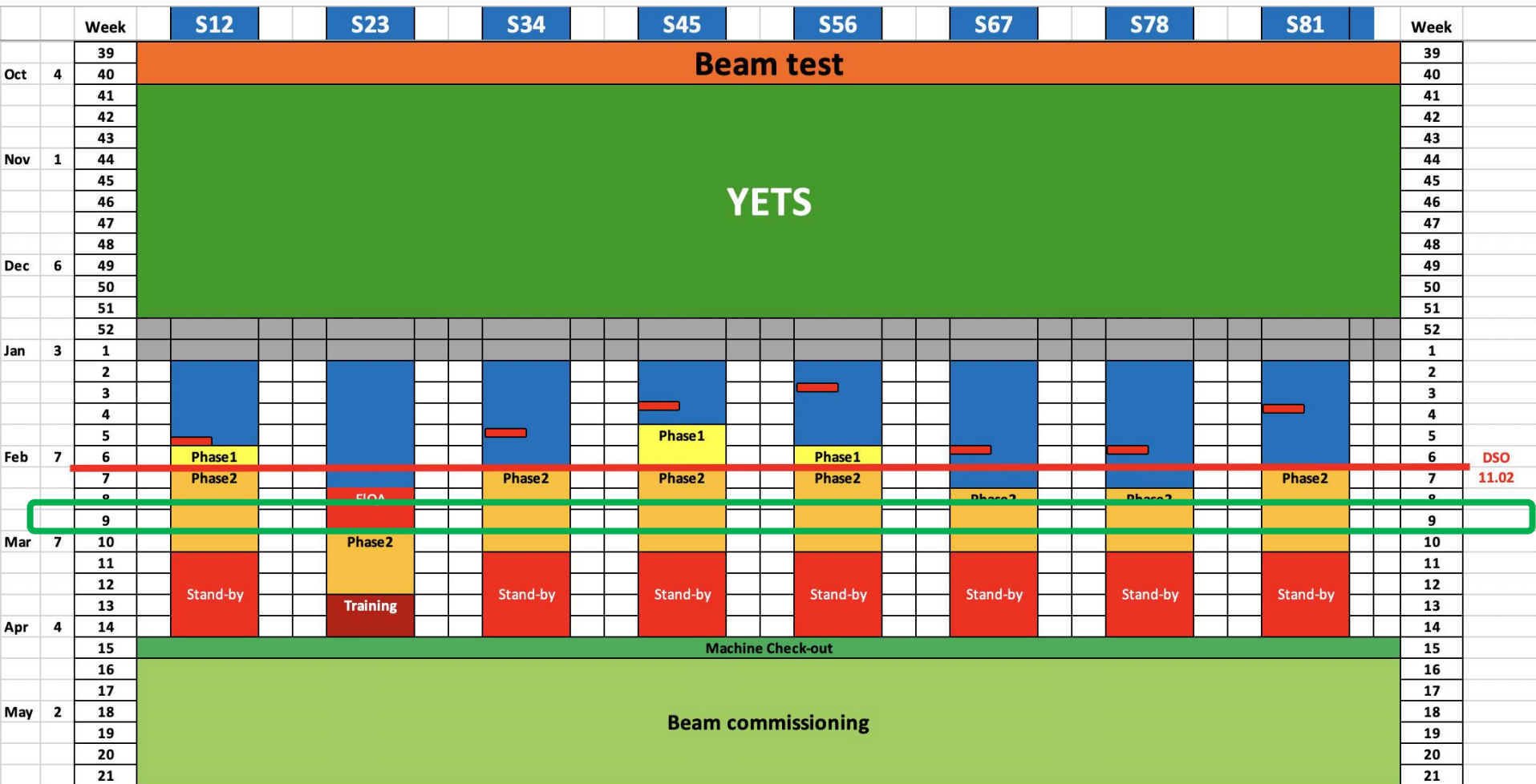
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- **This week** access possible everyday between **9am and 5pm, except:**
- **No access in IP2 and IP3** on Friday 04.03 due to UPS redundant tests
- **No access due to lift maintenance:**
 - Tue - PM65 6-8
 - Tue - PZ65 8-10
 - Wed - PM25 6-8
 - Wed - PZ33 8-10
 - Wed - PM18 10-12
 - Thu - PM45 6-8
 - Thu - PZ45 8-10
 - Fri - PM85 6-8



Powering tests planning

 EIQA



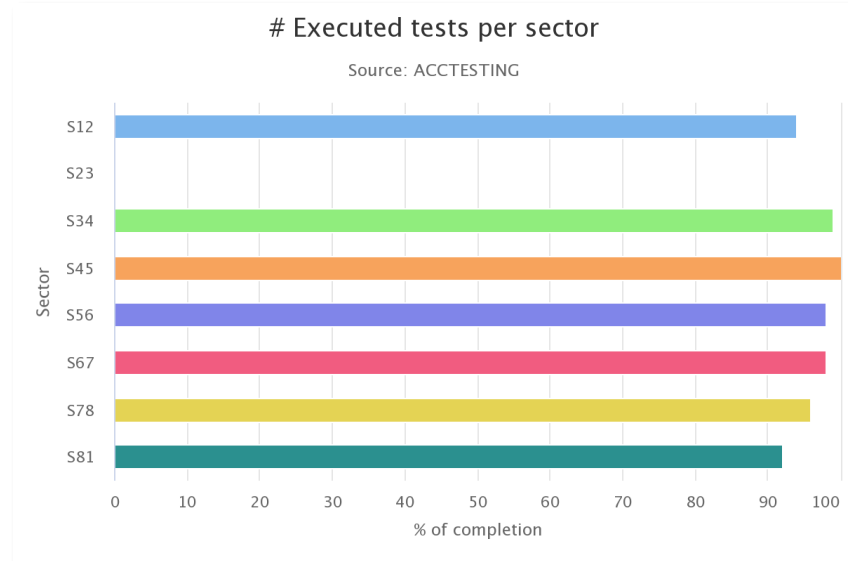
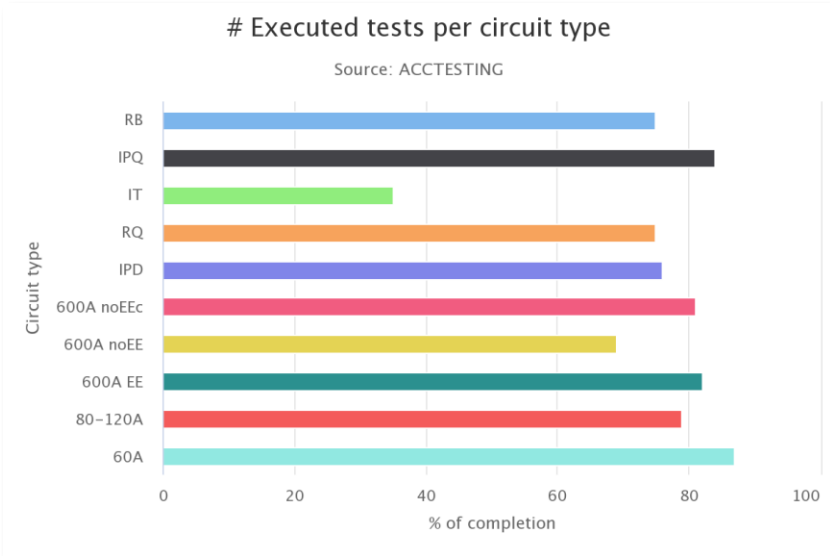
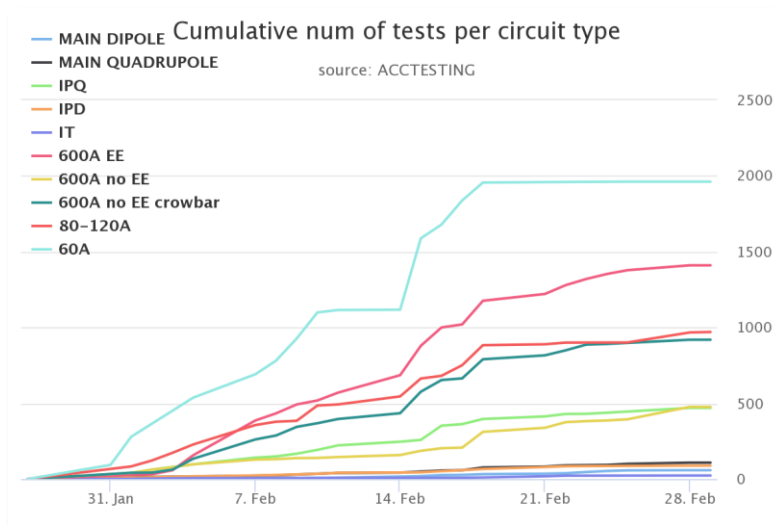
DSO
11.02

What we do

		WK 7			WK 8						WK 9							
		CRYO-OK	19	20	21.02	22.02	23.02	24.02	25.02	26	27	28.02	1.03	2.03	3.03	4.03	5	6
S12	XR1			cryo			sealing					QH						
	LR1			cryo											BS			
	A12			cryo														
	ML2			cryo										ZDC	ZDC			
	XL2			cryo	QH													
S23	XR2			EIQA									BS					
	MR2			EIQA								ZDC	ZDC				UPS	
	A23			EIQA														
S34	A34																	
	ML4																	
S45	MR4																	
	A45																	
	LL5																	
	XL5																	
S56	XR5			UPS														
	LR5																	
	A56																	
	ML6																	
S67	MR6																	
	A67																	
S78	A78																	
	ML8						BS											
	XL8																	
S81	XR8																	
	MR8																	
	A81											BS						
	ML1																	
	XL1						sealing					QH						

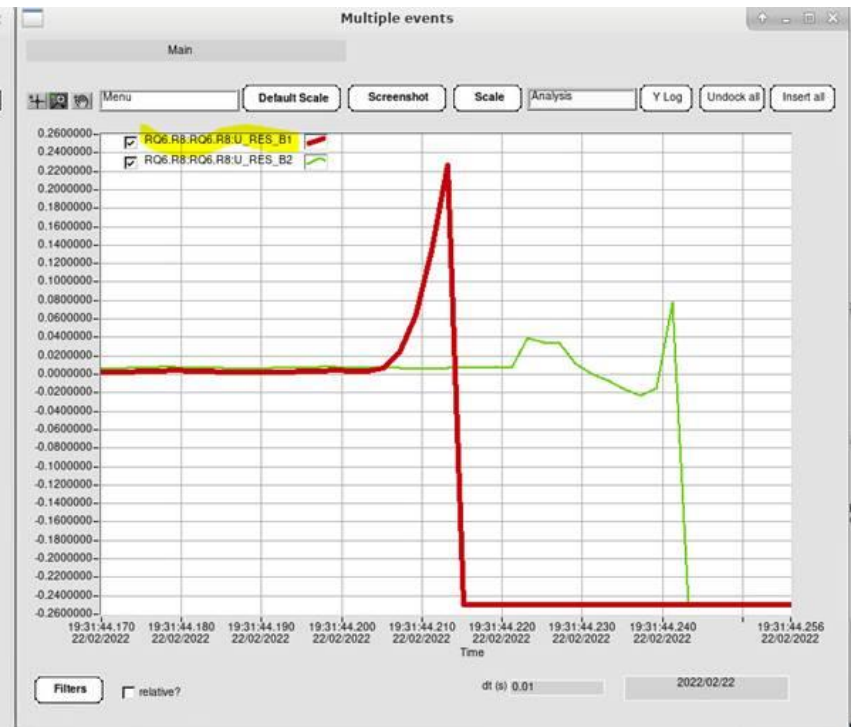


Powering tests advancement

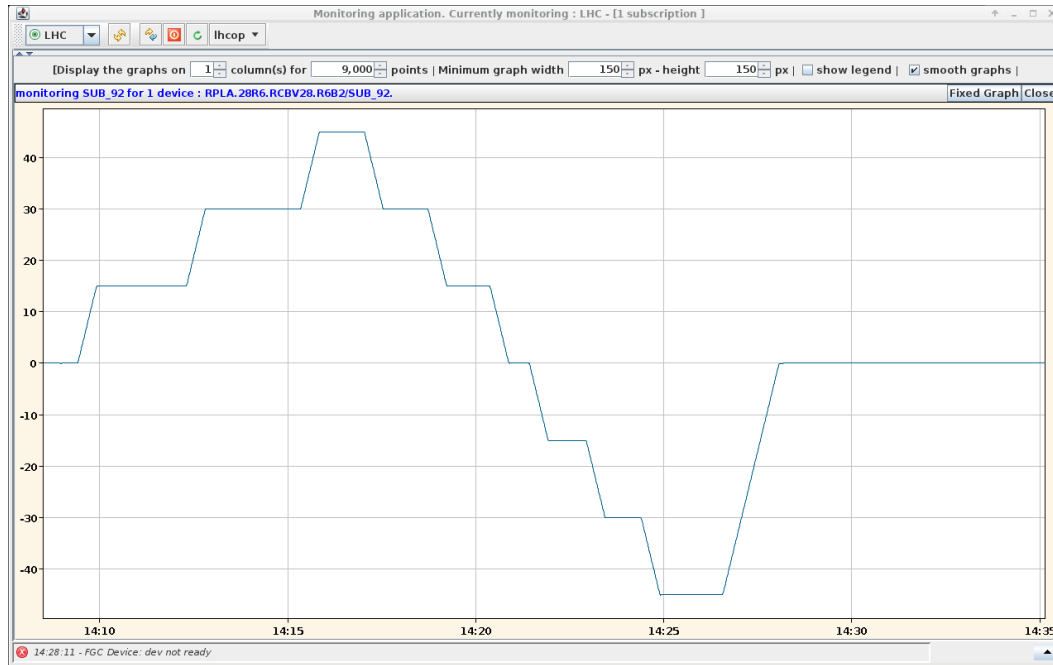


IPQ/IPD update

RQ6.R8: QPS B1/B2-signals were swapped with respect to FGC ones
All settings were checked, consistency is ensured, tests on
IPDs/IPQs restarted yesterday

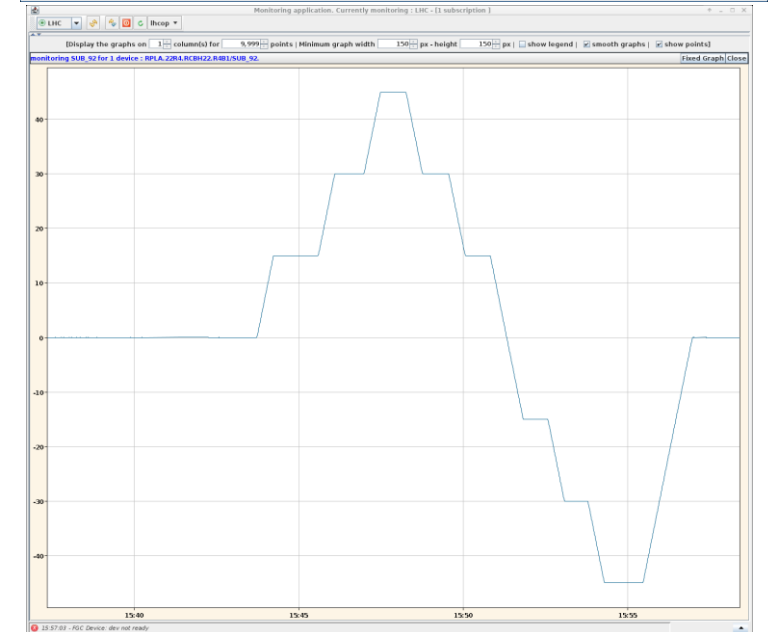
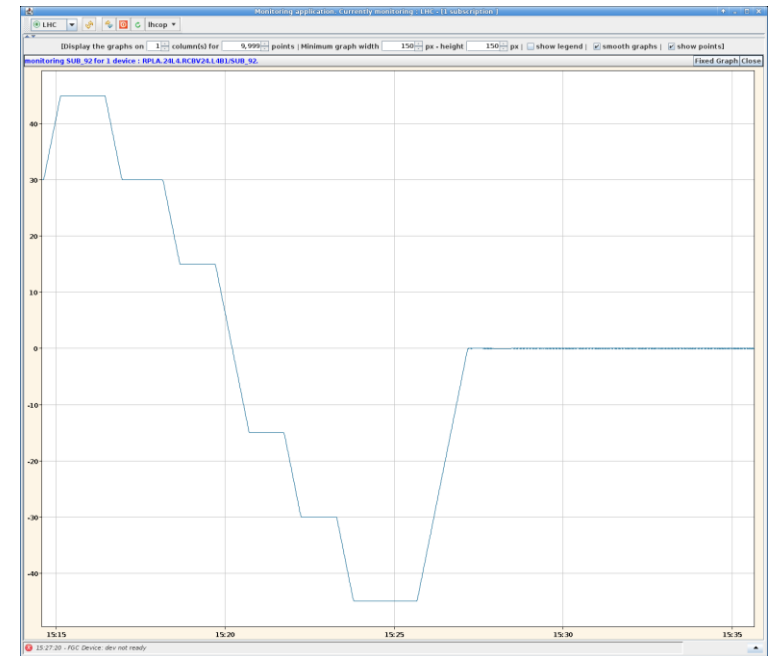


60A Tests by EIQA team



Tests were performed yesterday in S34, S45, S67, as requested by MP3, on:

RCBV24.L4B1
RCBH22.R4B1
RCBV28.R6B2



Sector 12

- **RB:** PNO.b2 performed yesterday, 1 nQPS PM buffer missing
- **RQD/F:** commissioned
- **IPQ/D:** ongoing
- **All other circuits:** commissioned
- **ITs:**
 - 600A ongoing
 - RQX.R1, RQX.L2 to be released by QPS

Sector 23

PC unlock plan:

- **Mon 28.02:**
 - décondamnation 60A
 - UA27 cable reconnection
 - UJ33 start cable reconnection
- **Tue 01.03:**
 - décondamnation UA27
 - UJ33 cable reconnection + décondamnation

QH switch ON plan:

- **Wed or Thur 2/3.03:** IPQs of S23 (UPS test on Friday 4.03)
- **Mon 07.03:** arc

Sector 34

- **RB:** commissioned
- **RQD/F:** commissioned
- **IPQ:** commissioned
- **600 A:** completed except
 - RQ6.R3B1: EXTERNAL I_EARTH OVERCURRENT grounding left on DFB/PC will be checked this week
 - RQTL7.R3B1 failed PNO.a3
- **60 A:** completed
 - RCBV24.L4B1 – high resistance - EIQA investigation done

Sector 34



Warm-up not needed, vacuum pumping effective (DFBL warm-up requires DSL warm-up), the situation will be further monitored in the coming days. As a longer term consolidation, installation of a vacuum sensor + a complementary vacuum pumping of a secondary line

Sector 45

- **All circuits commissioned, but**
 - RCBH22.R4B1: excessive lead R – EIQA investigation done

Sector 56

- **RB:** commissioned (1 quench on FT after almost 40 min on magnet C13R5)
- **RQD/F:** PIC2 performed yesterday
- **RQX.R5:** UPS tests to be repeated
- **Other circuits:** commissioned

Sector 67

- **RB:** PNO.b2 performed yesterday, missing nQPS files. Spontaneous quench when entering test mode?
- **RQD/F:** commissioned
- **600 A:** very well advanced
 - RQTD.A67B1 I_POS and I_NEG to be set to 360A (350+10A) by EPC
- **60 A:** completed
 - RCBV28.R6B2: lead R too high - EIQA investigation done

Sector 78

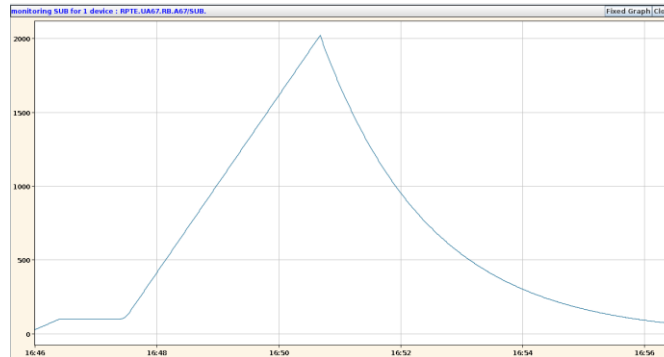
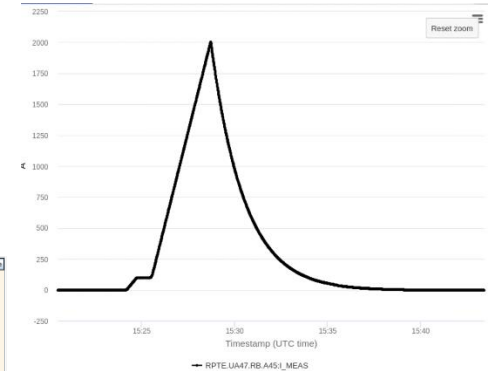
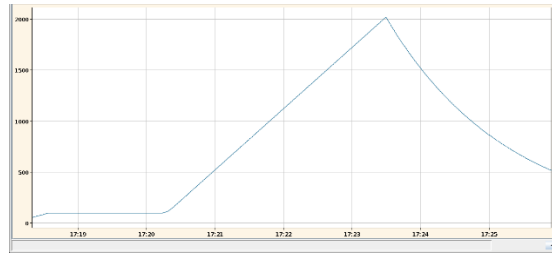
- **RB:** PNO.b2 performed on Friday, missing nQPS PM files. It will be repeated tonight with shorter plateau (tbd with MP3)
- **RQD/RQF:** commissioned
- **IPQ:** PNO tests ongoing
- **600 A:** PNO tests ongoing

Sector 81 – PHASE1

- **RB:** PNO.b2 to be performed
- **RQD/F:** commissioned
- **IPQ/D:** PNO.a7 ongoing
- **600 A:** almost completed
- **XR8:**
 - **RQX** ready for I_PNO
 - **600A:** 2xPNO.a3 to be completed
 - **DFBX:** Problem on DXHX05_03R8_TT891A reappeared after intervention was done. Joint MPE-CRG inspection today
- **XL1:**
 - **RQX** to be released by QPS team
 - 600A ongoing

FPA @2 kA in the ramp with iQPS snapshots

	DONE
RB.A12	29.09
RB.A23	7.10
RB.A34	17.09
RB.A45	14.07
RB.A56	15.07
RB.A67	16.07
RB.A78	25/02/22
RB.A81	11.08



RB.A78 done on Friday