

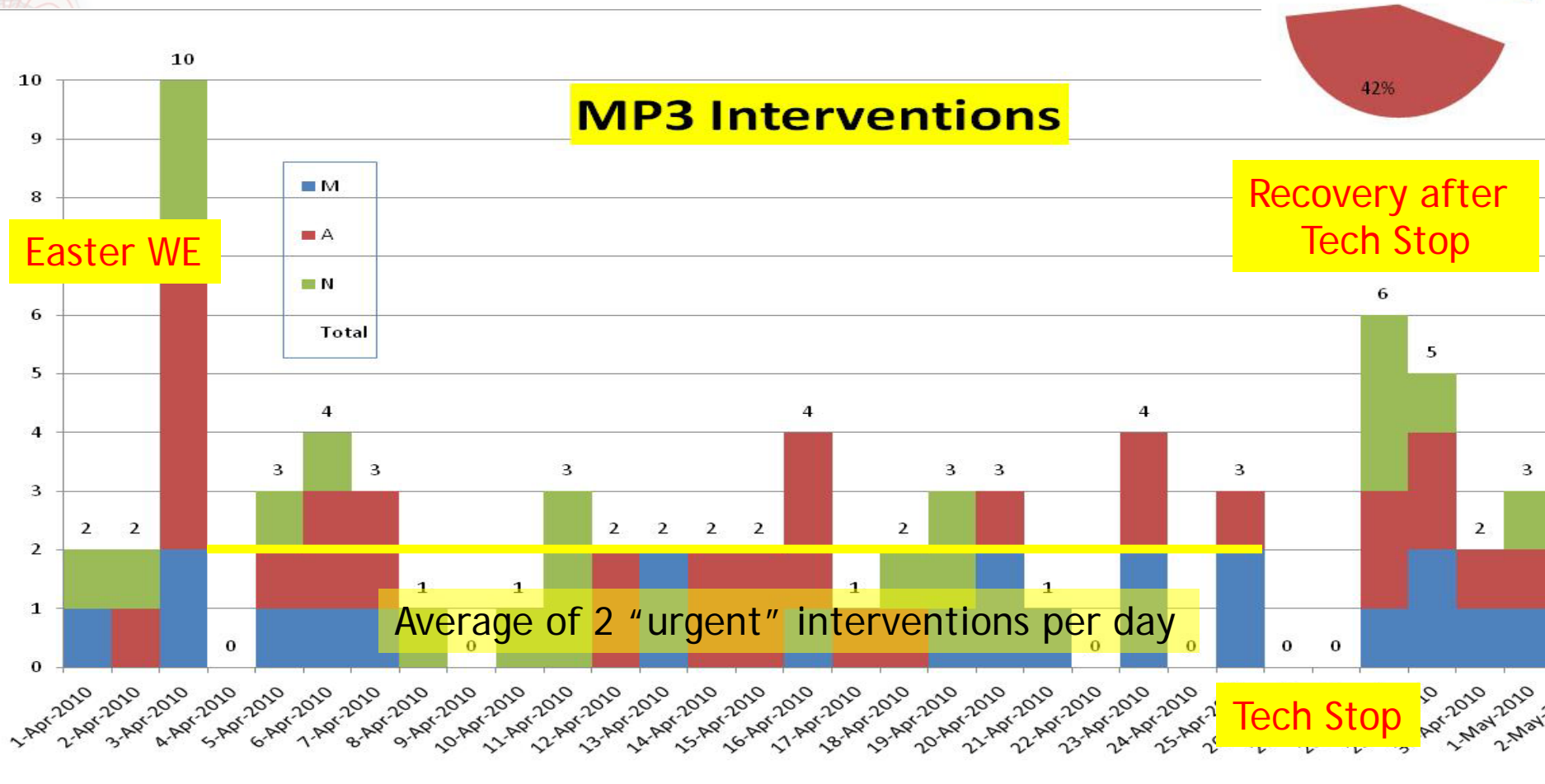
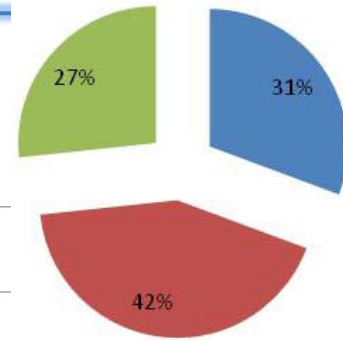


MP3 report - week 17
26/04/2010 - 02/05/2010
17 interventions

MP3/QPS team in CCC

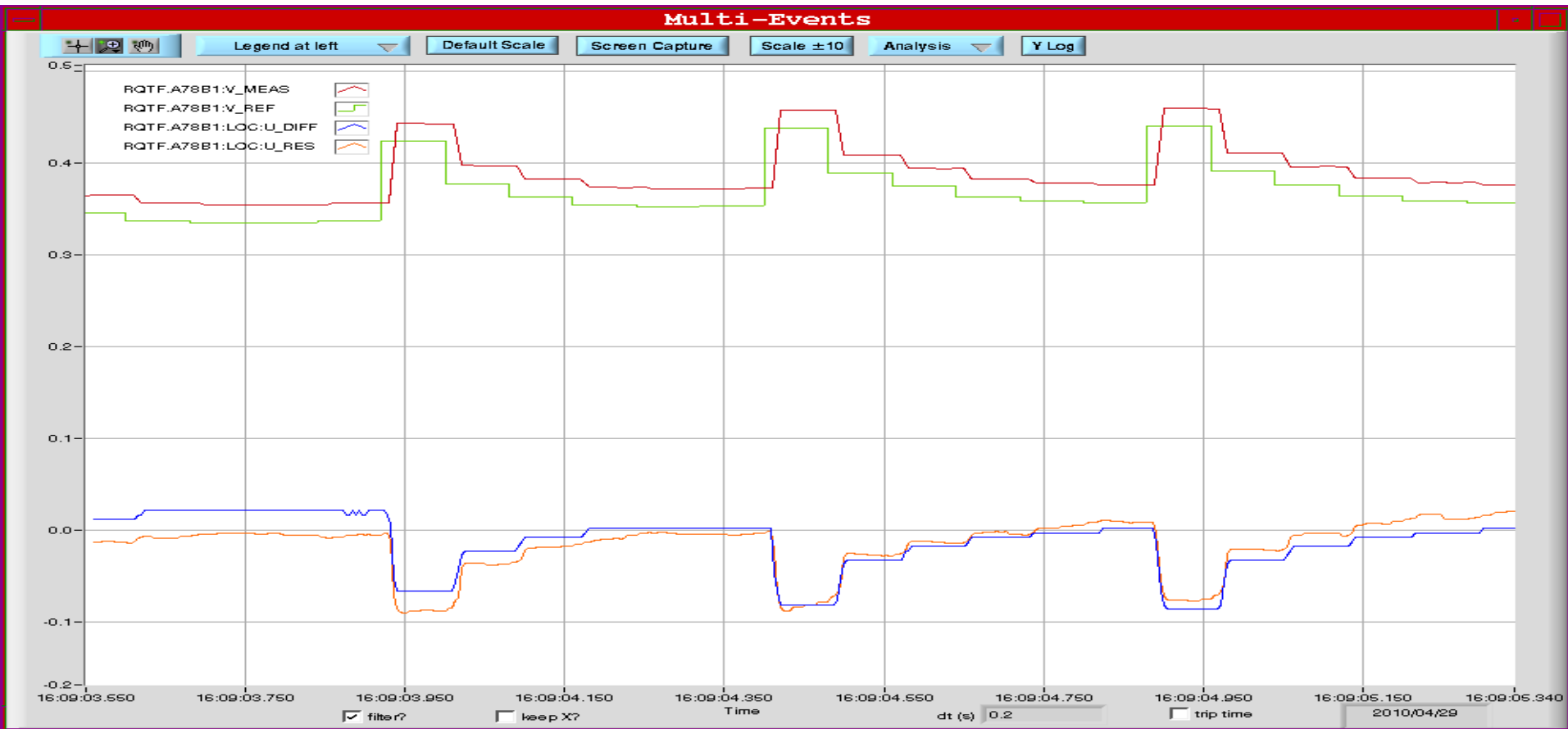
Interventions evolution

- Technical stop so no intervention for 2.5 days then increased
- Recovery of technical stop



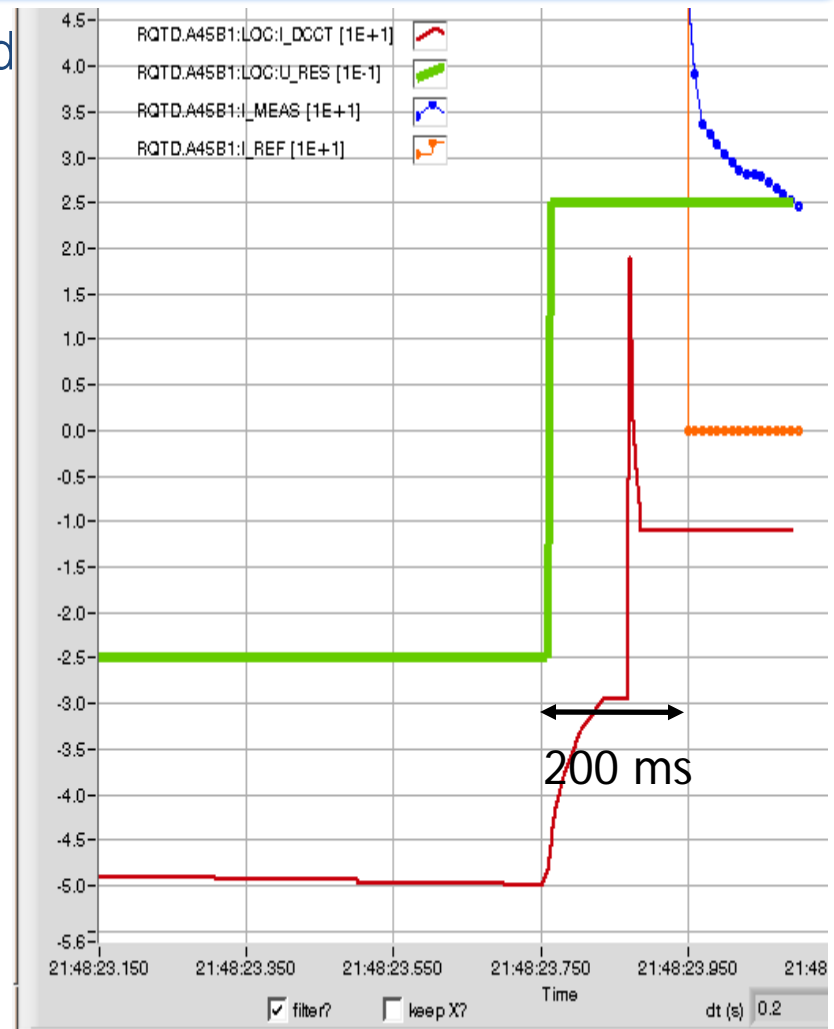
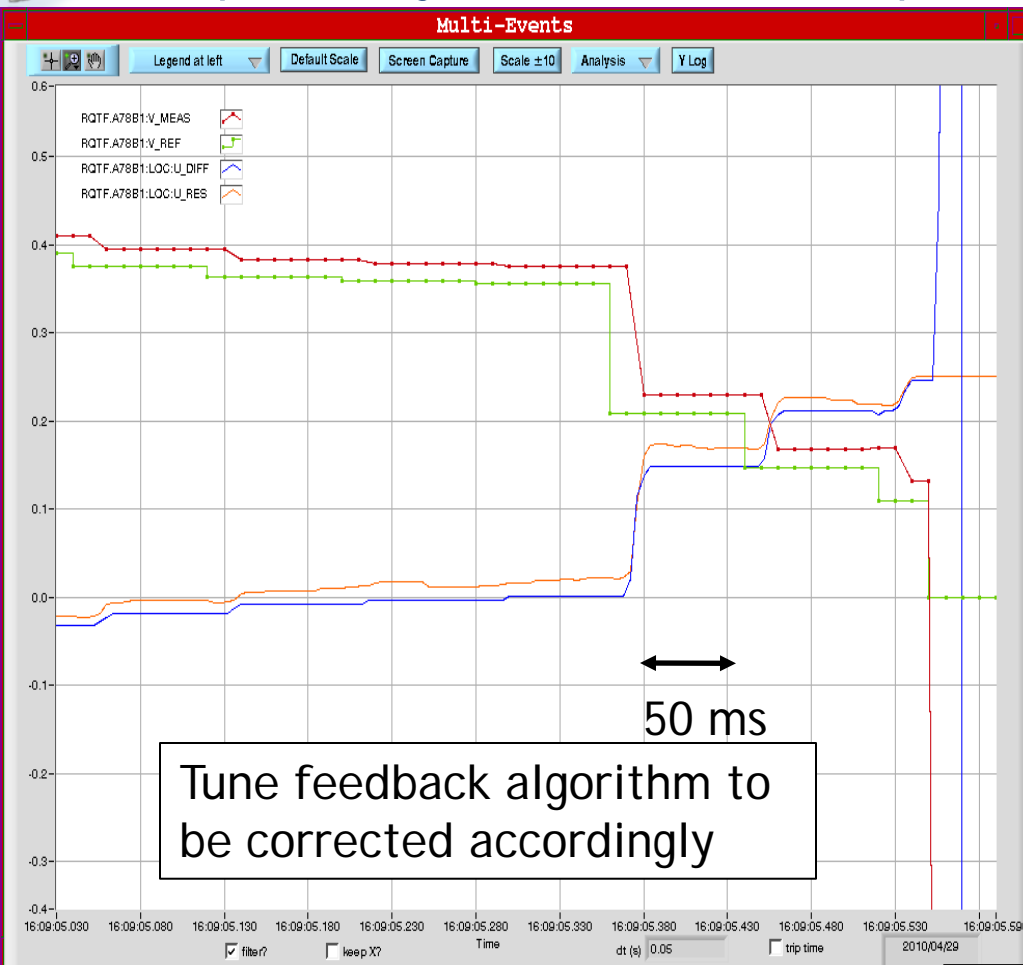
RQTF/D & feedback (continued) [1/2]

- During technical stop, the time discrimination was increased from 20ms to 200ms
- Test performed in 56 on Wed 28/04 and successful



RQTF/D & feedback (continued) [2/2]

- Trips but system reacted as expected



28/04: Trip of RQTD.A45B1 during test due to wrong polarity (solved in tunnel by MPE piquet) but the 190 ms delay is well seen

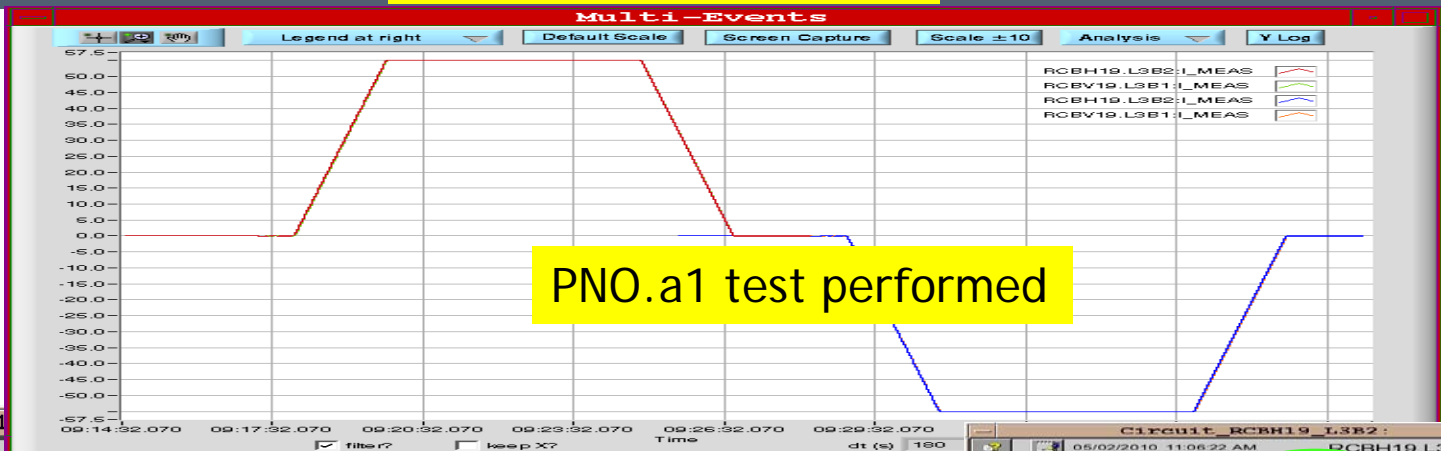
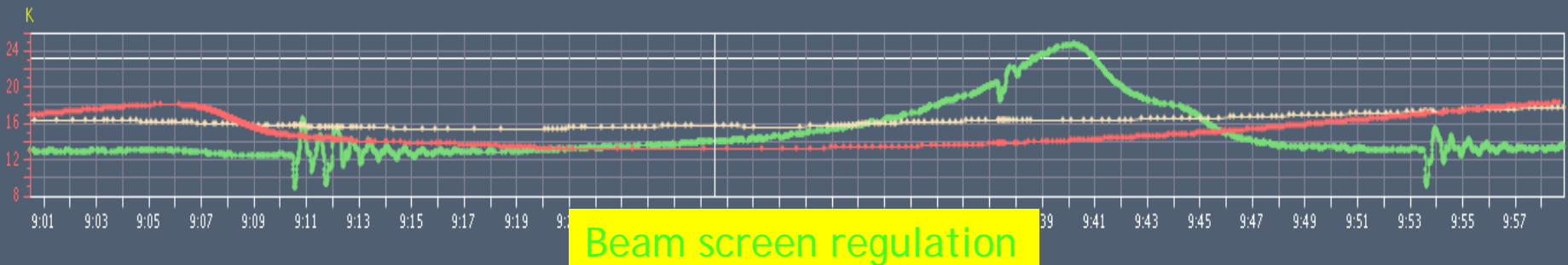
RCBH19.L3B2 & RCBV19.L3B1

Was locked due to problem on a cryo valves for the beam screen circuit cooling. Valve was changed during technical stop by CRG and test performed to validate it (29/04 profiting from an access in 45)

← LQATI_20L3_TT847.TEMPERATURECALC

← QRLAB_19L3_TT943.TEMPERATURECALC

← QRLAB_19L3_TT947.TEMPERATURECALC



Circuit_RCBH19.L3B2

04/17/2010 09:50:17 AM

RPLA.20L RCBH19.L3B2

PC_PERMIT

PM

I_REF 0.00000 A

Circuit_RCBH19.L3B2

05/02/2010 11:06:22 AM

RPLA.20L RCBH19.L3B2

PC_PERMIT

IDLE

I_REF -1.33000 A-1 A

I_MEAS -1.33105 A-1 A

Power Converter

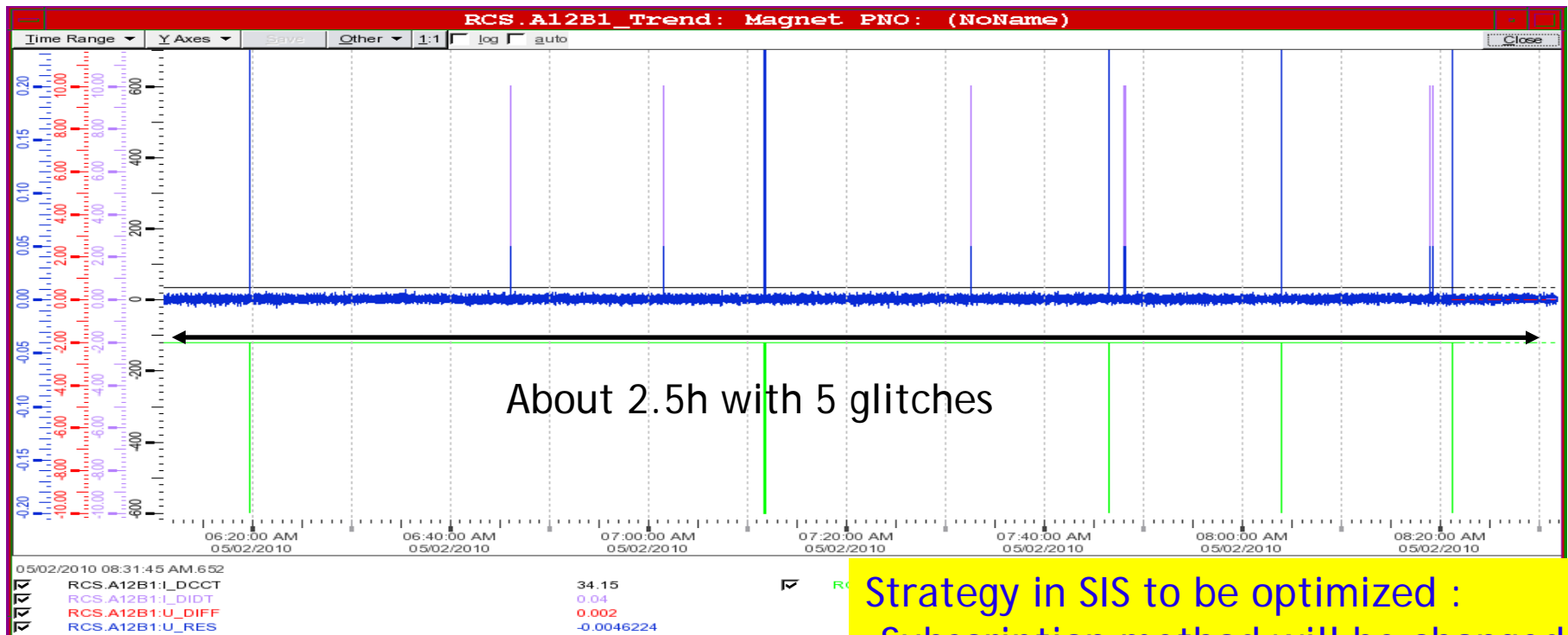
CRYO_MAINTAIN_60A

CRYO

Monday Morning Meeting : 3rd of May 2010

QPS_OK check for 600 A

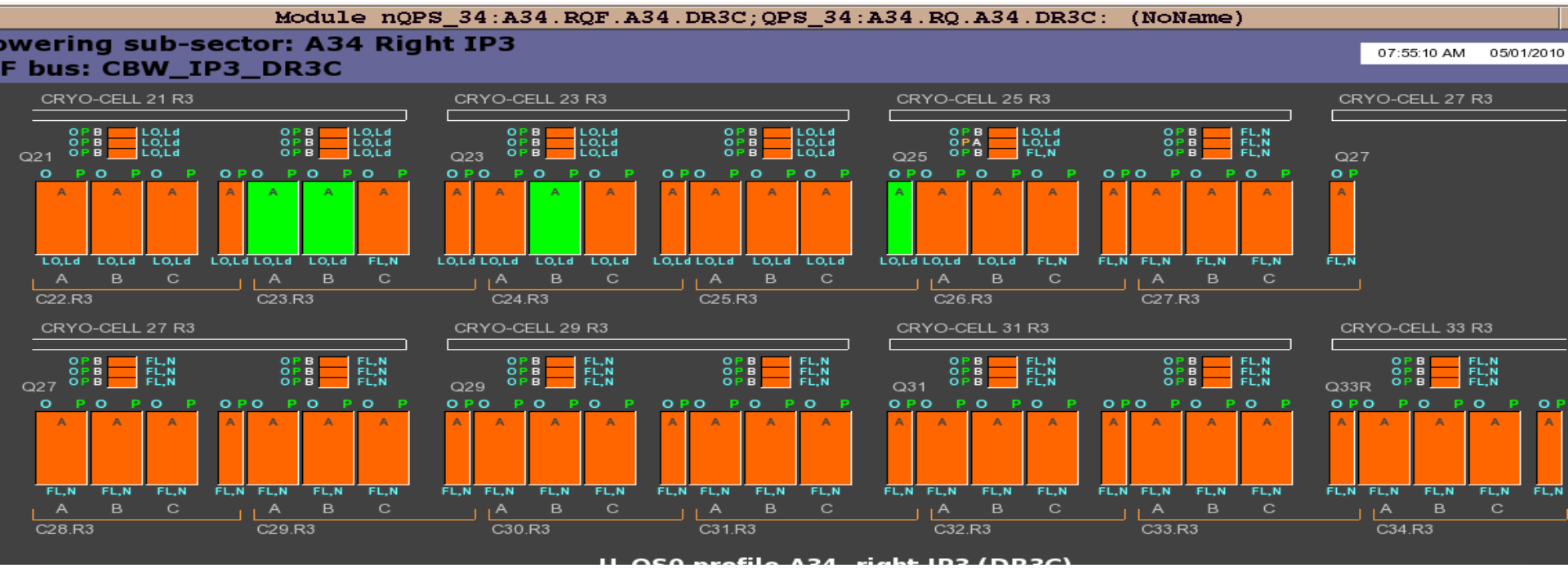
- QPS_OK check is now active for all 600 A circuits with a check every 10 minutes. If verified during short glitch, injection is not possible for 10 minutes or interlock has to be masked
- Circuits masked after verification that QPS was OK:
 - + RQS.R5B1, RCS.A12B1, RCO.A81B1
 - + QPS board reset does not solve the issue



Strategy in SIS to be optimized :
-Subscription method will be changed to on-change on Monday

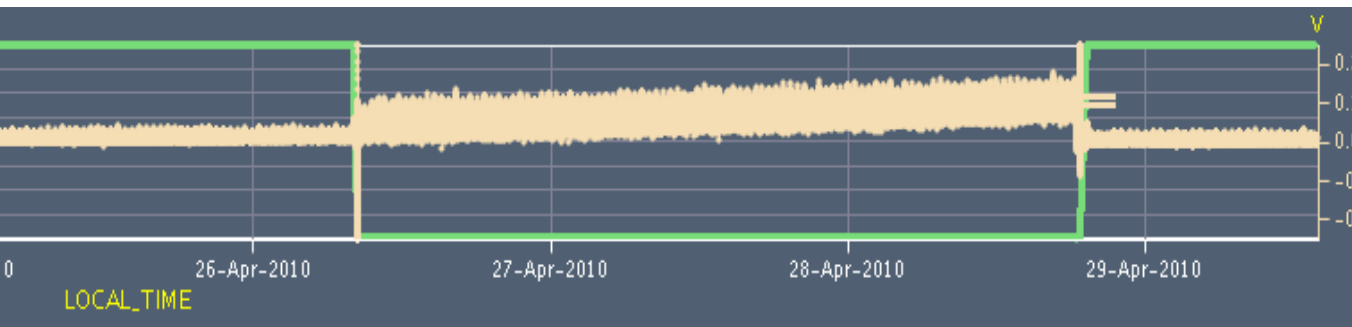
RB.A34, RQF/D.A34 : Loss of com + QPS_OK

- On 1st of May @ 7:03 loss of QPS_OK for mains in 34 for ¼ of the sector + Joint BE-CO/MPE/MP3 effort allowed localising the problem to a badly inserted/clamped wire inside the WorldFip connector of the nQPS crate B23R3, resulting in the loss of communication for the whole segment + In the meantime, as magnets were at injection current, interlock was masked but ramping-up and pre-cycle were forbidden



Other issues since April 26th

- 28/04 : Power cut (EDF 400 kV) caused trip of 11 circuits (P1,2,8)
Heaters discharged and checked
- RQTD.A56B1 (twice) : Solved by PC piquet
- Undulator RU.L4 reset during precycle
Both presently OK but RU.L4 slowly drifting



100428-061006.201_RQ10.L8
100428-061006.179_RQ10.R2
100428-061006.176_RQ10.R8
100428-061006.158_RQ10.L2
100428-061006.156_RQ6.L1
100428-061006.146_RQ5.L1
100428-061006.146_RD2.R1
100428-061006.144_RQ8.R1
100428-061006.144_RQ8.L1
100428-061006.144_RD2.L1
100428-061006.143_RQ10.L1

- RB.A78 : Trip on 29/04
Filter card exchanged by EPC+ switch in RR77 (Param modified, now OK)
- RCD.A78B1 : One board with com pb solved from CCC (Slow Power cycle)
- RSS.A45B1 : Trip at 0 current (PC)
- RQTD.A45B1 : Trip due to HW limit @ 120A and induced trip of RSD2.A45B1
- RQTD.A81B2 : Tripped 3 times due to external water fault (30/04)
- RQF.A23 : Loss of QPS_OK ; reset (02/05)