

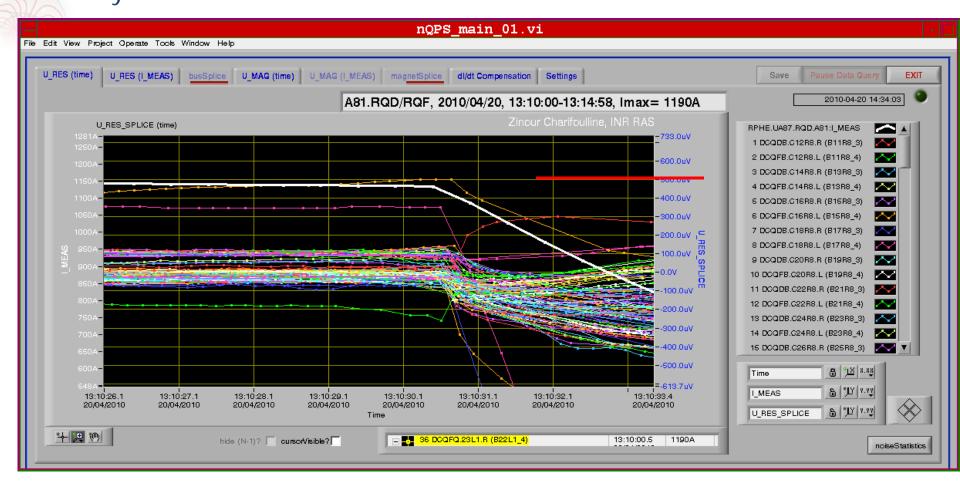
MP3 report - week 17 19/4/2010 - 25/04/2010

MP3/QPS team in CCC

Monday Morning Meeting : 26th of April 2010

RQD/F.A81 on Tuesday and Friday

Trip induced by nQPS at 6kA on Tuesday, at 1.4kA on Friday Noisy board in B22L1 : New Threshold of 0.6mV



RQF.A78 on Tuesday

Scale ±10

Analysis 🤝

Y Log

02:30:37.013

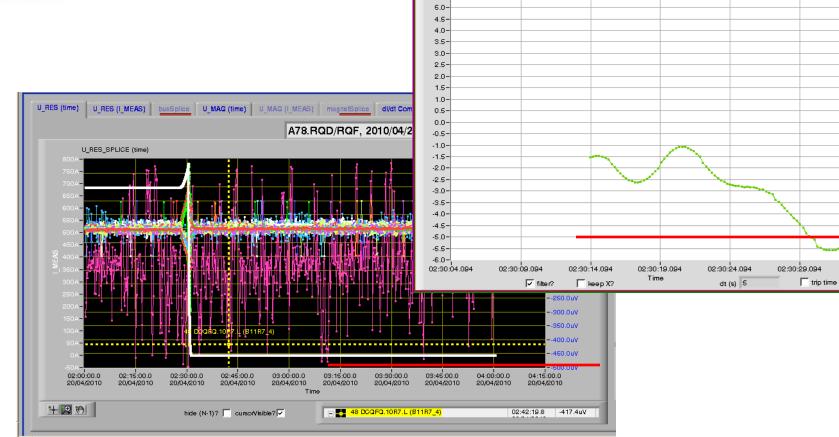
2010/04/20

Multi-Events

Screen Capture

Default Scale

Trip induced by nQPS at 781A Noisy board in B11R7 : new Threshold of 0.6mV



+ 💻 🕪

8.5-

8.0-

7.5-

7.0-6.5-

6.0-5.5Legend at left

RGF.A78:1 MEAS [1E+2]

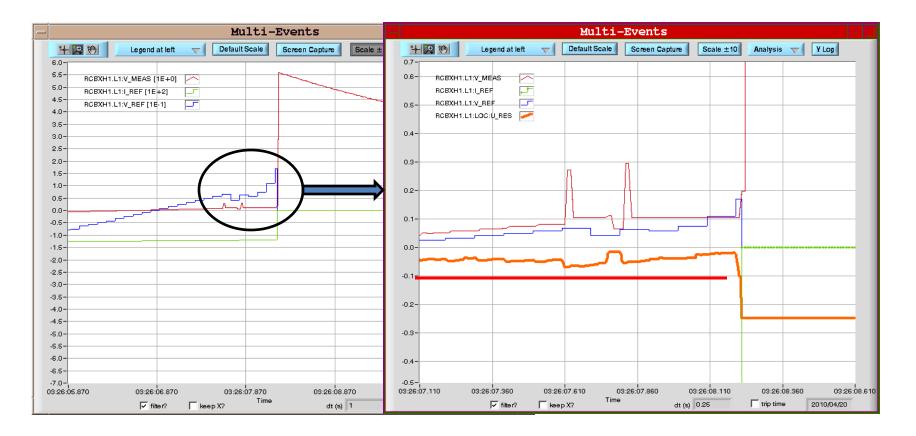
B11R7:P42:U_RES [1E-4]

Monday Morning Meeting : 26th of April 2010

RCBXH1.L1

Tripped during ramp down of a precycle at 120A.

O Voltage crossing : Perturbation created by PC when the voltage polarity is changing can be not compensated by QPS



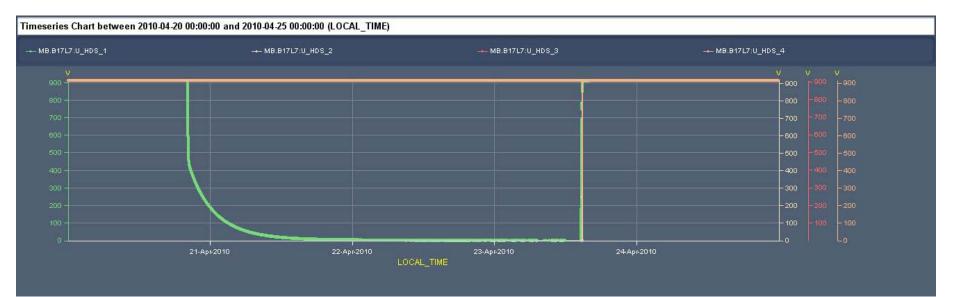
RQTD/F.A34B2 - RQS.A78B2

RQTD/F.A34B2 tripped at 3.5TeV due to the trim function Hope to fix it with new protection function : Time discrimination will be increased from 20ms to 200ms (planned in the next technical stop)

• RQS.A78B2 tripped on Wednesday : bad trim function incorporated

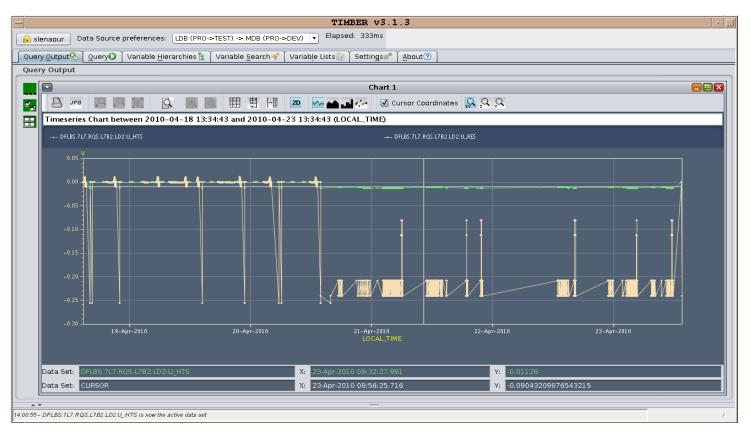
Quench heater power supply in RB.A67

1 QH power supply discharged (MB.B17L7) from Tuesday Can be tolerated temporarily @ 3.5 TeV Fixed the 23/04 during intervention for UPS in RE73.



RQS.L7B2 on Friday and Sunday

OPS not OK on 600A global detector. 1 board on current lead blocked since 3days. Not a major issue because the redundant board was still working. OPS_OK of 600A systems are not checked during the software interlock

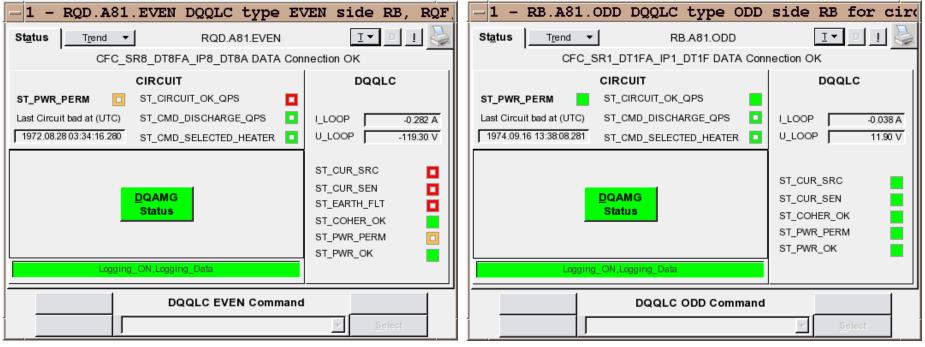


Similar problem showed up on Sunday. Temporally fixed

Monday Morning Meeting: 26th of April 2010

RB.A81on Sunday

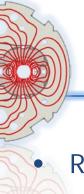
- Quench loop controller in point 8 (even side) with wrong values (correct values :I_loop≈50mA,V_loop≈45V) and some bad status.
- Not sure that communication with PIC or PC was correct -> intervention required



• Even side

Odd side

Monday Morning Meeting : 26th of April 2010



Other MP3 issues since 12th of April 2010

RCBH19.L3B2 & RCBV19.L3B1 : Seems to have a PC issue EPC informed

Circuit_RCBH19_L3B2:
Image: Constraint of the second s

Some trips of circuits that were repowered after analysis:

- RCBCH5.R5B1(19/04)
- RCBXH1.L1(20/4); RCBXH2.L8 (23/4)
- RQTD/F.A34B2; RQS.A78B2
- RQD/F.A81 (20/4 and 23/4); RQD/F.A78 (20/4)
 - Threshold was increased to 600uV on B11R7 and B22L1, until next technical stop
- RB.A81
- Lost of Communication on RCBV25.R7B2