

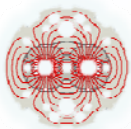
# Status of the LHC Project

Lyn Evans

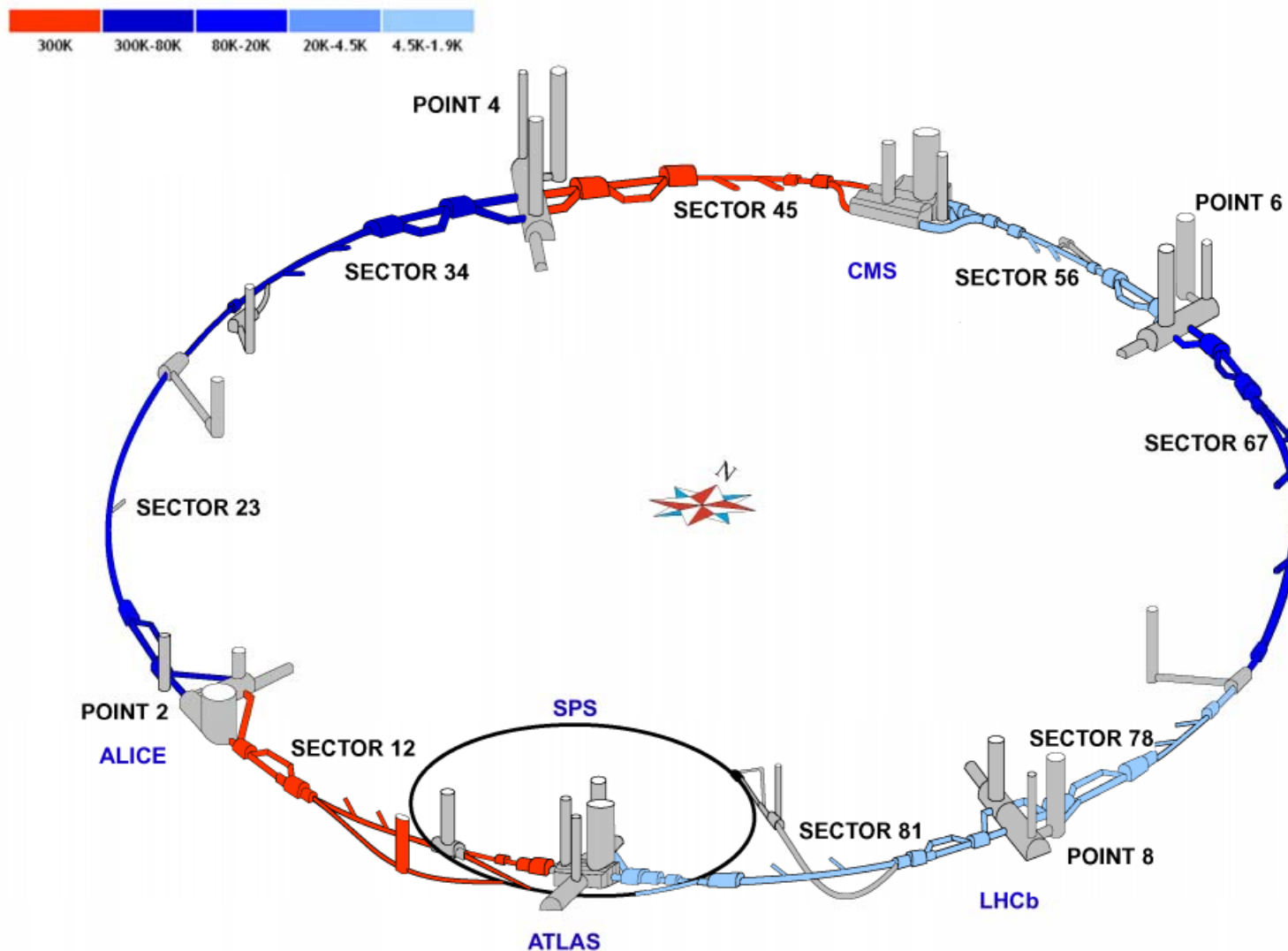


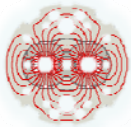
93rd LHCC Meeting, CERN 7th May 2008





# Summary LHC Cryogenics

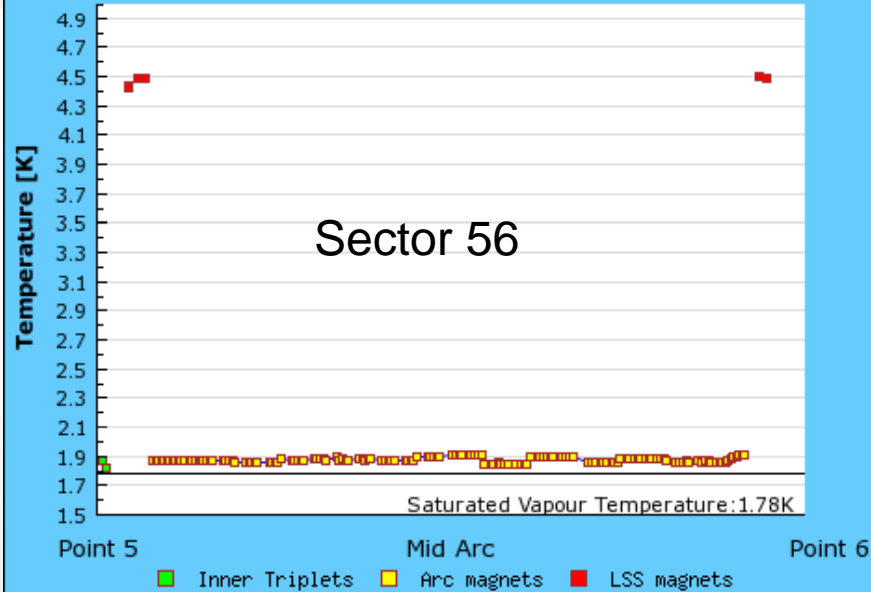




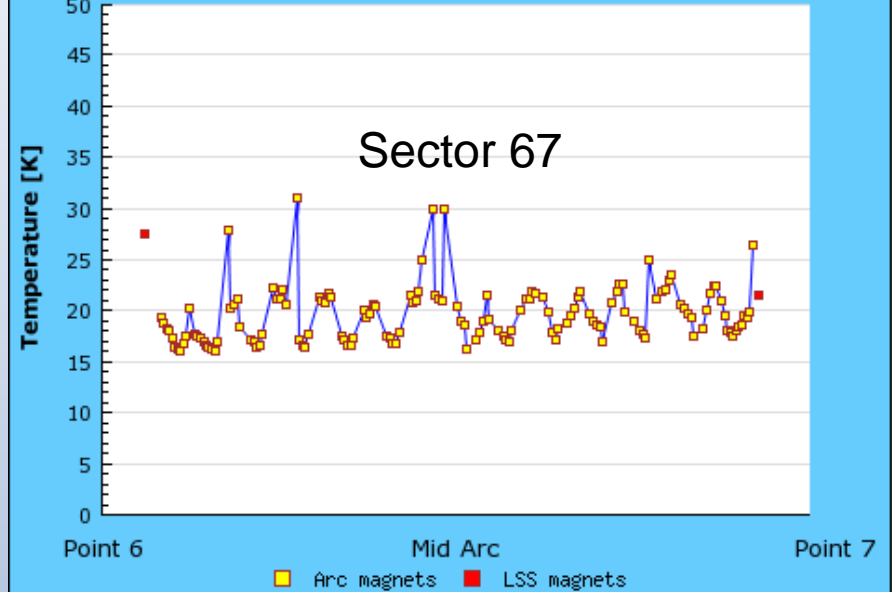
# Cooldown status



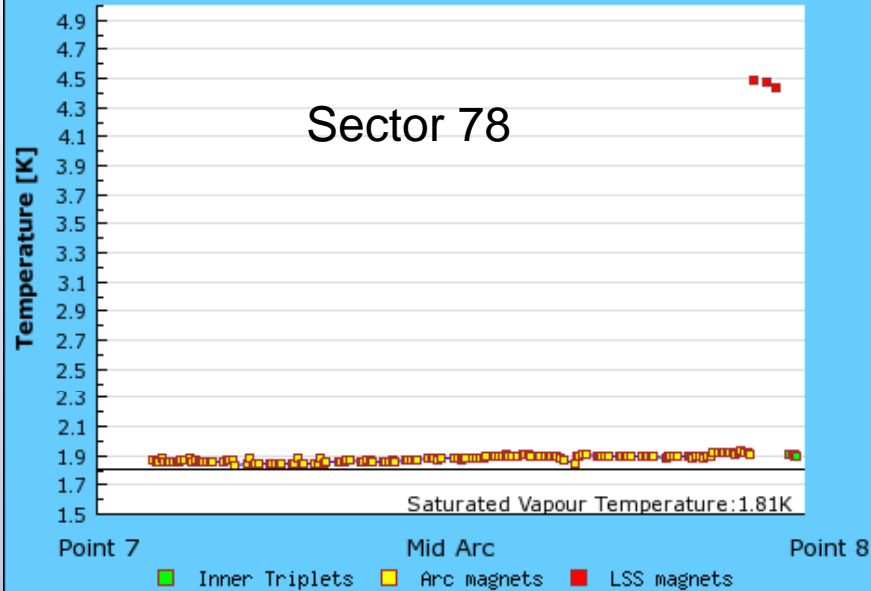
Sector temperature profile at 06 May 16:58



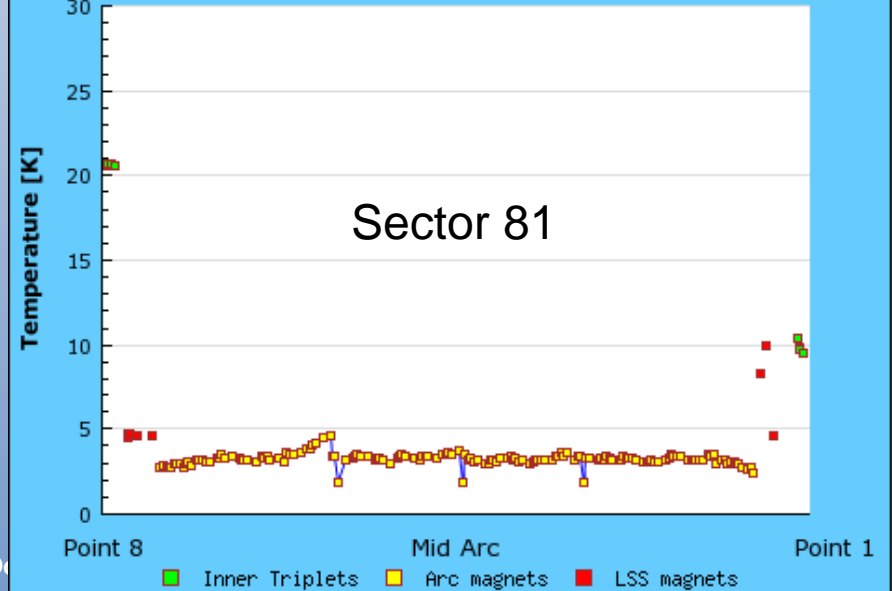
Sector temperature profile at 06 May 16:59

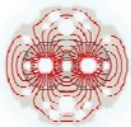


Sector temperature profile at 06 May 16:59

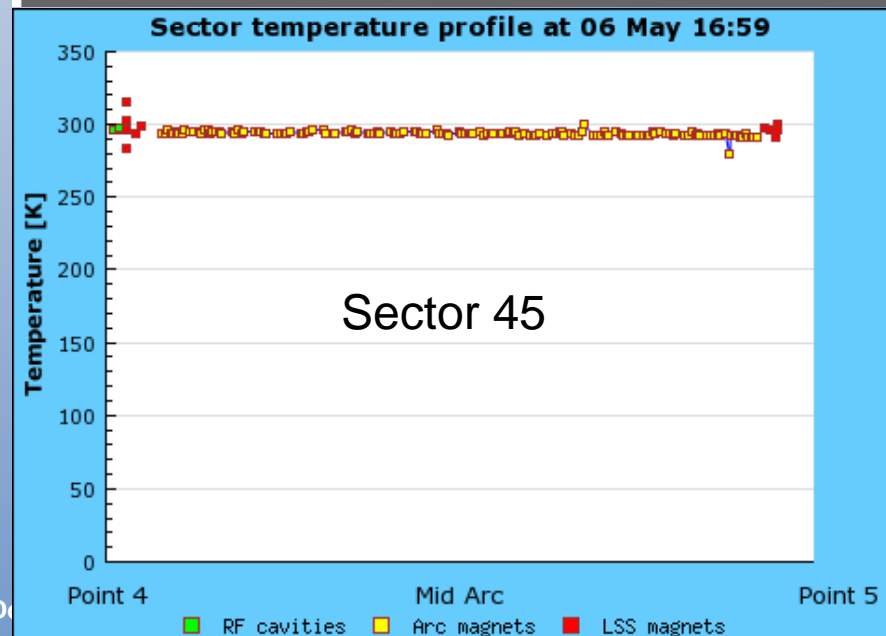
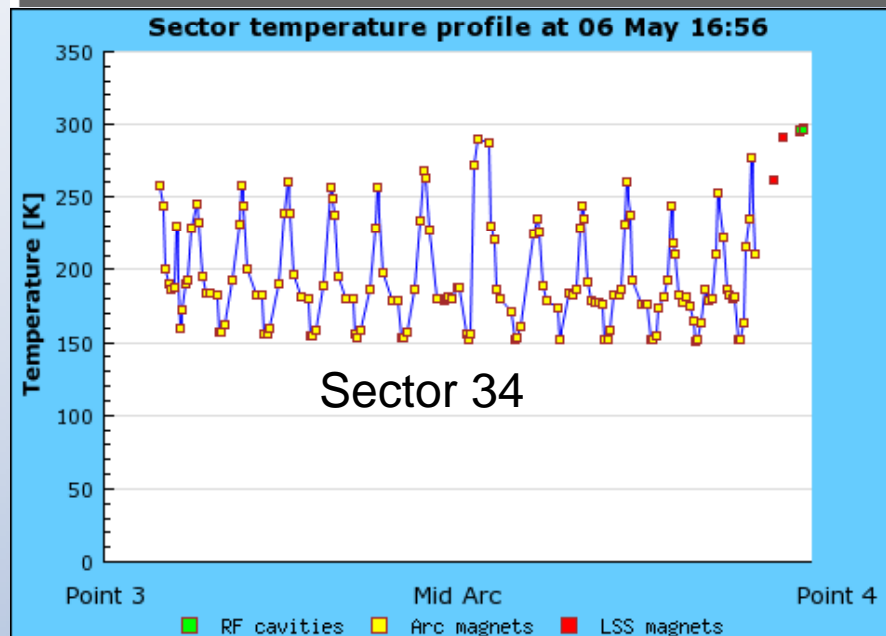
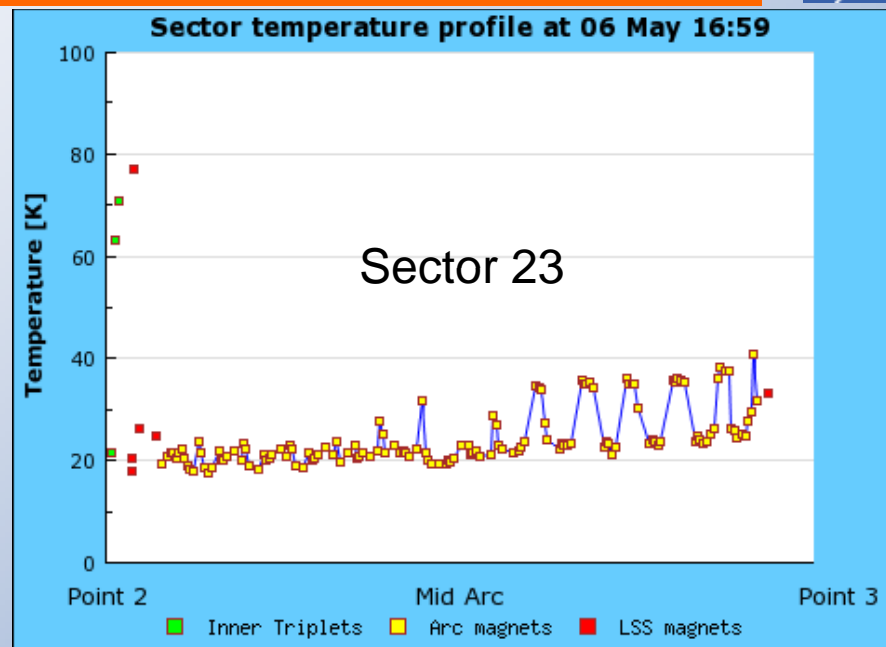
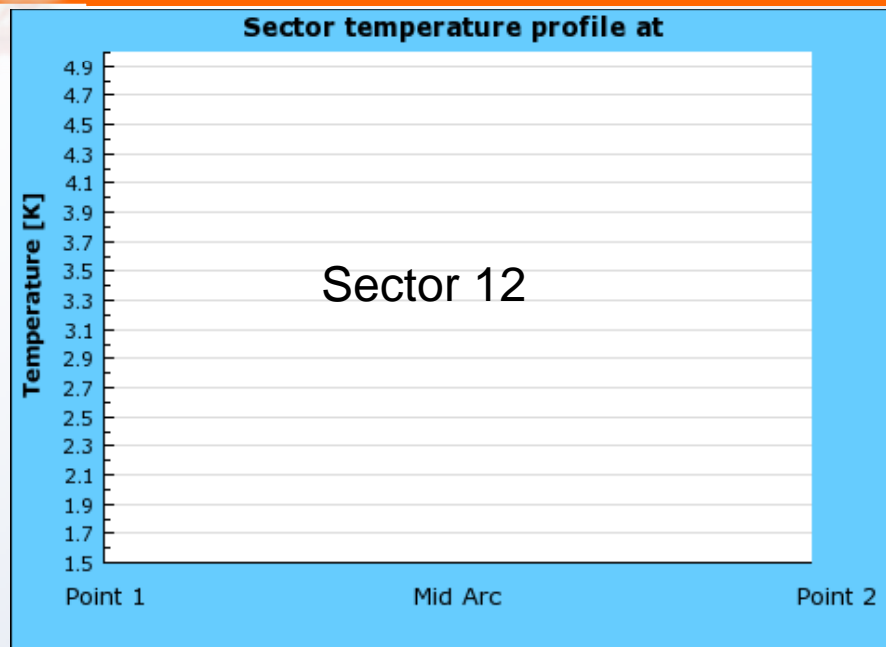


Sector temperature profile at 06 May 16:58





# Cooldown status



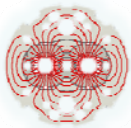




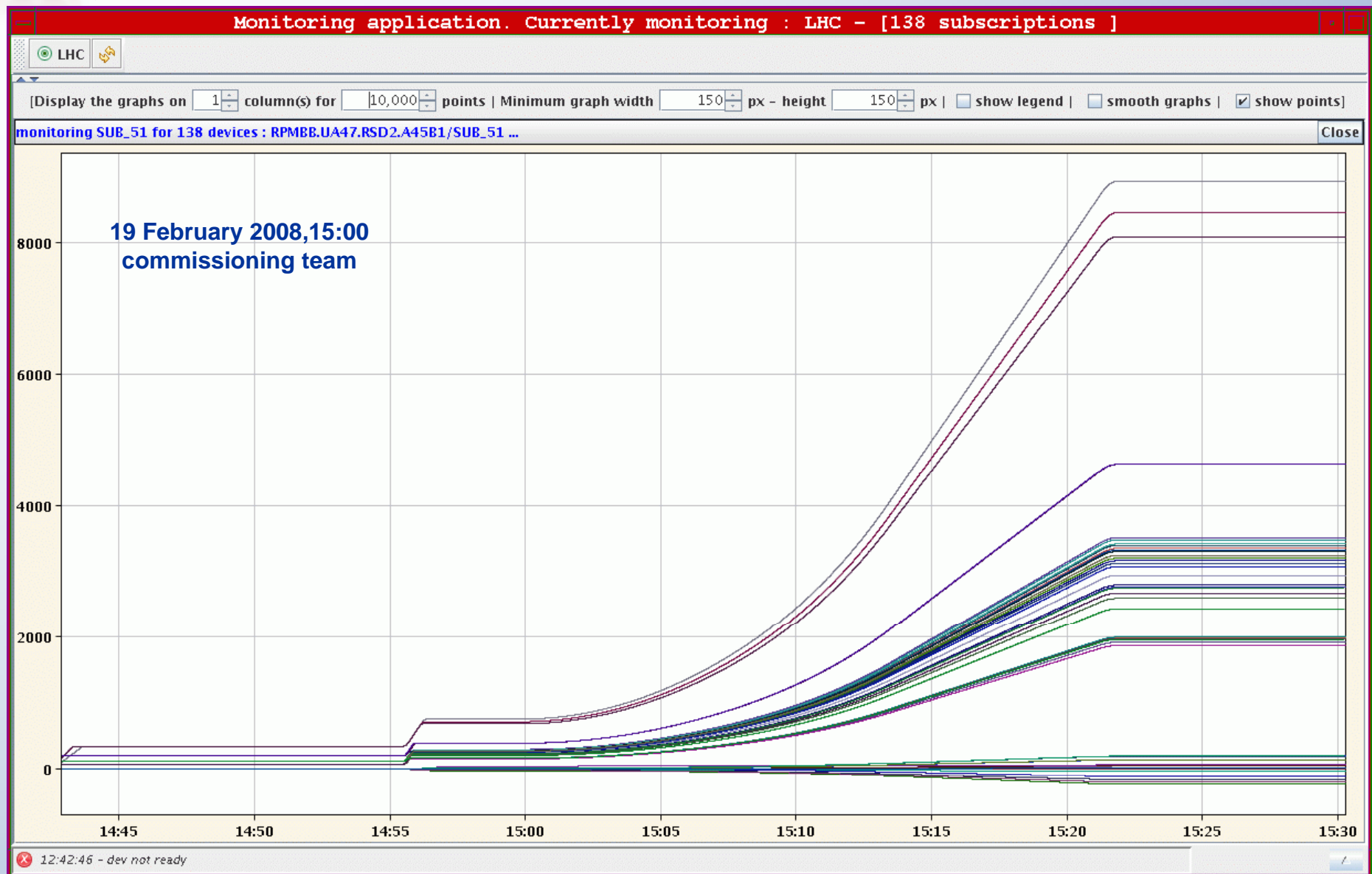
## PIM scan in 4-5



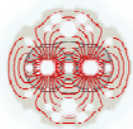
- After warm-up of Sector 4-5, a ball scan was made to check for damaged PIMs.
- In one week, 12 damaged modules were found and replaced.



# Ramp of 138 power converters to a current equivalent to 5.3 TeV (including all high current magnets realistic LHC optics )







# Re-training of dipoles



- The following dipoles have shown re-training:
  - 3176
  - 3180
  - 3188
  - 3196
  - 3362
  - 3370
  - 3372
- One other dipole (2245) quenched at low field under unclear conditions.





# Powering of inner triplet to nominal current

