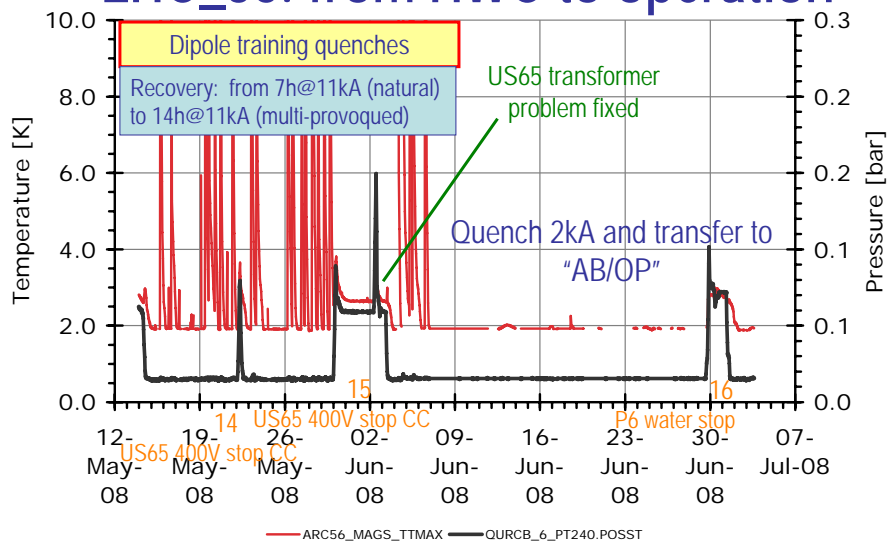


LHC Cryogenics

- Sectors with powering activities (56-78-81-23-67)
- Sectors with cryo tuning (34-12)
- UX85 phase 1 for cryo electronics
- Few facts for stand-alone magnets

S. Claudet,
on behalf of LHC Cryogenics

LHC_56: from HWC to operation

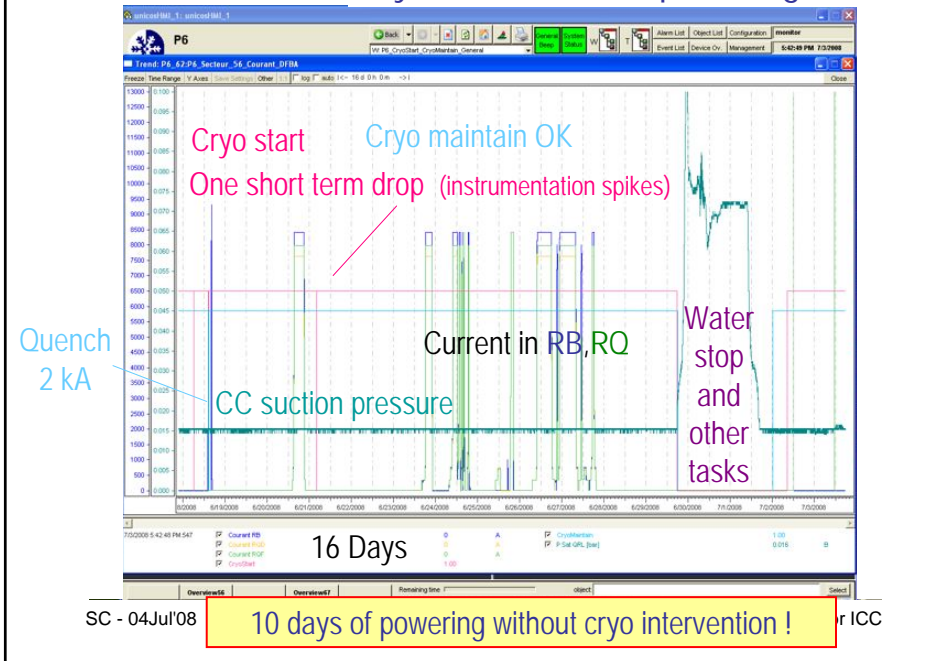


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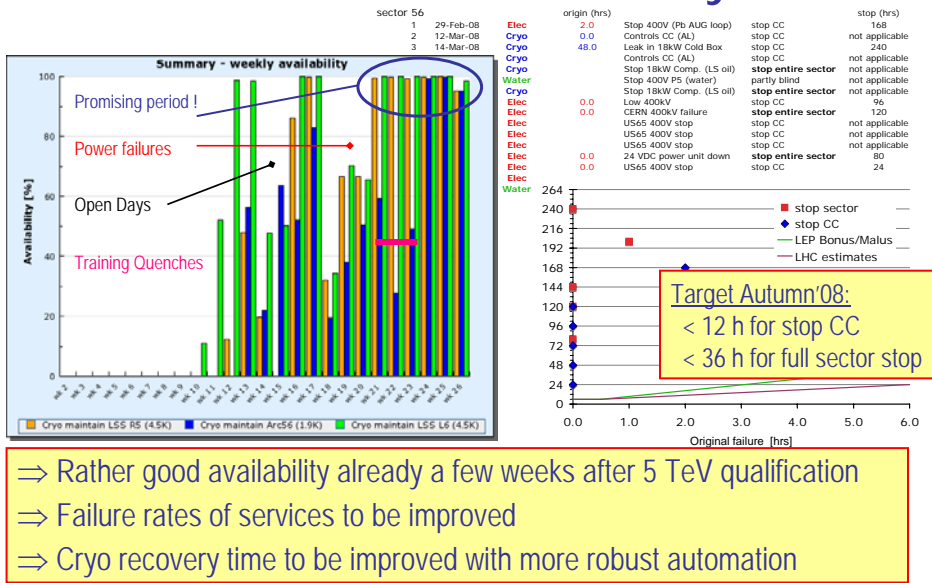
Close to four weeks stable !!!

Cryogenics - Status for ICC

Cryo conditions for powering ARC_56



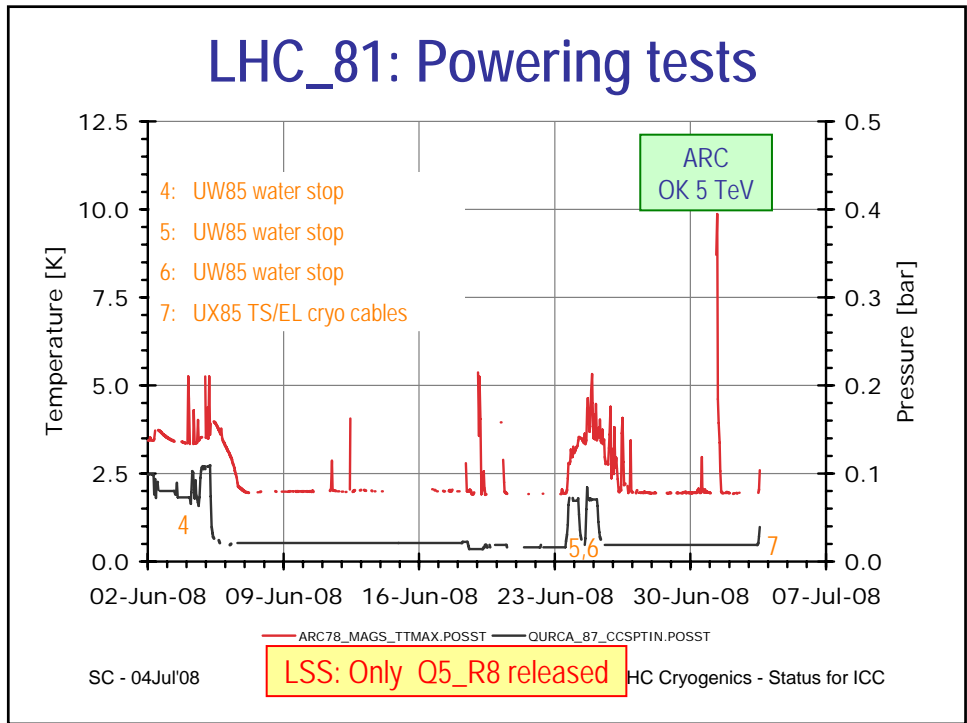
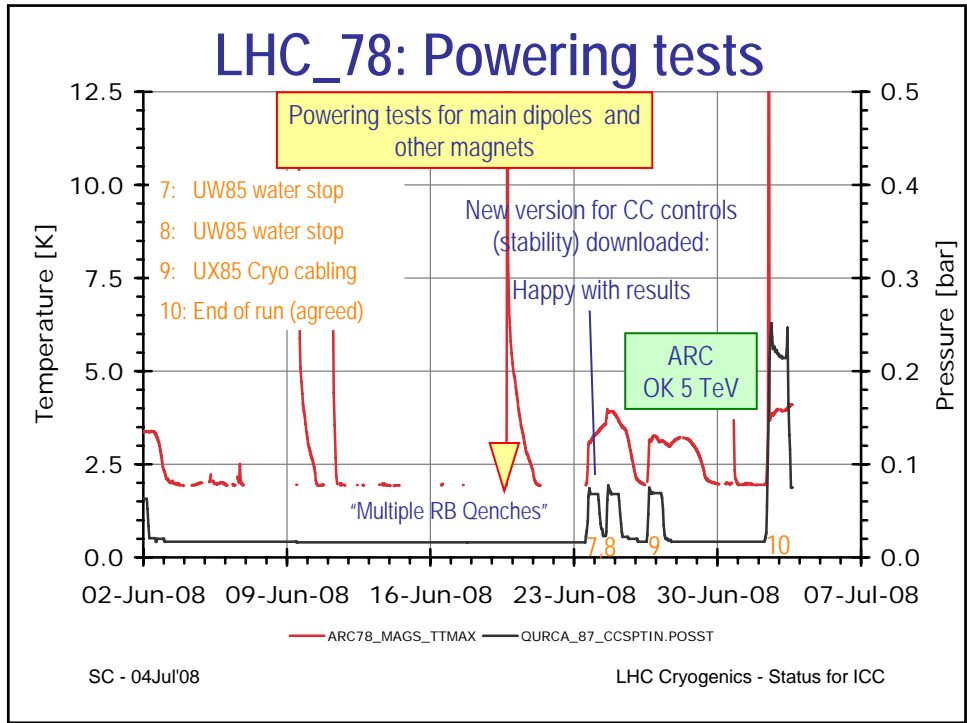
Downtime - Availability



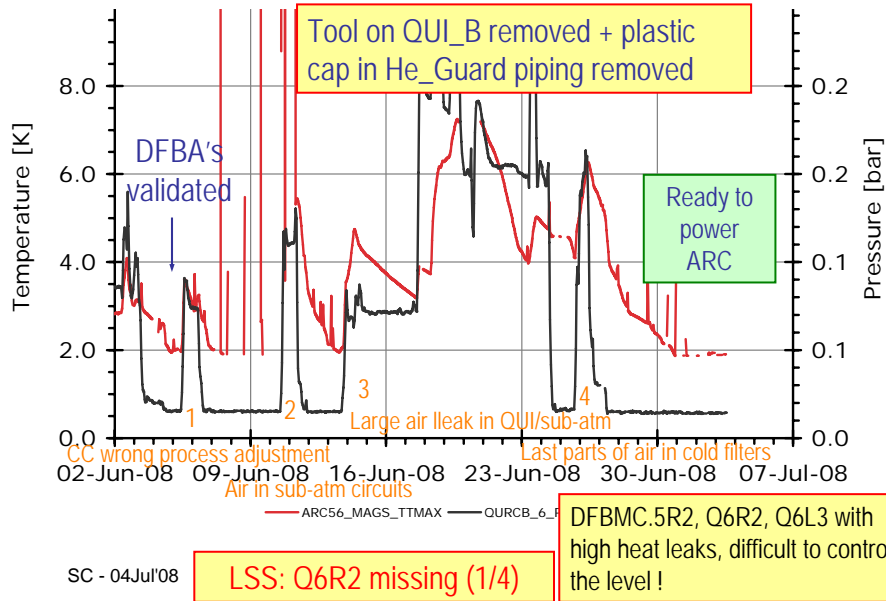
⇒ Rather good availability already a few weeks after 5 TeV qualification
 ⇒ Failure rates of services to be improved
 ⇒ Cryo recovery time to be improved with more robust automation

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LHC Cryogenics - Status for ICC



LHC_23: Getting air out



Other activities

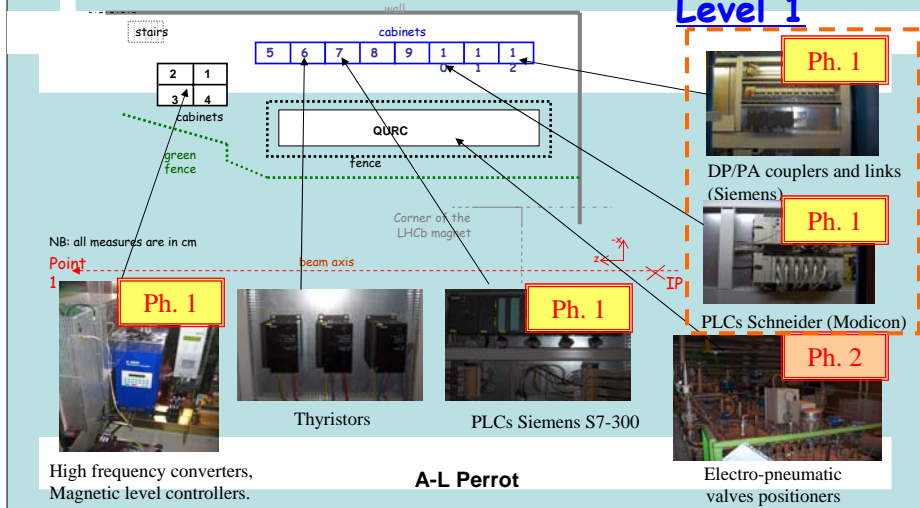
- 6-7: Entire sector delivered for HWC next week (wk 27)
- 3-4: Now with all instrumentation required to manage pump-down
Delicate to cool-down DFB's due to NC from Cryo & MEI
=> Cryo tuning done, with some NC to be terminated for stand-alones
=> Doubts for a heat-exchanger pipe NC (Y line 23-25 L4)
- 1-2: Cryo tuning of instrumentation
- 4-5: Preparing LHe filling for next week (wk28)

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LHC Cryogenics - Status for ICC

UX85 Cryogenics Installation

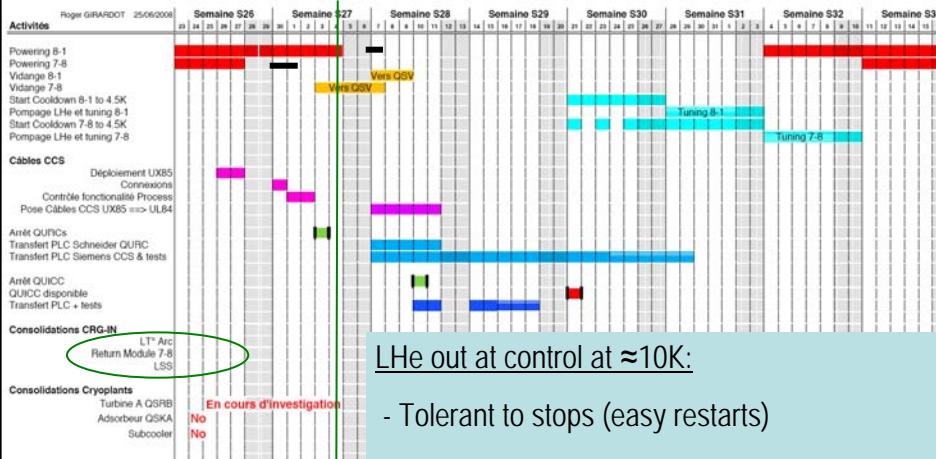
Radiation sensitive devices



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+ QUI Ph1: PLC incl I/O cards + DP/PA

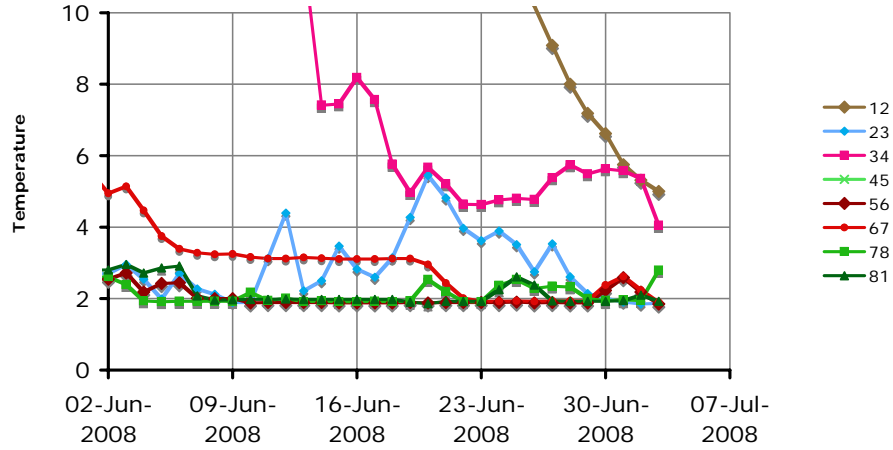
UX85 Phase 1: schedule



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LHC Cryogenics - Status for ICC

LHC sectors: Average temperature of ARCS

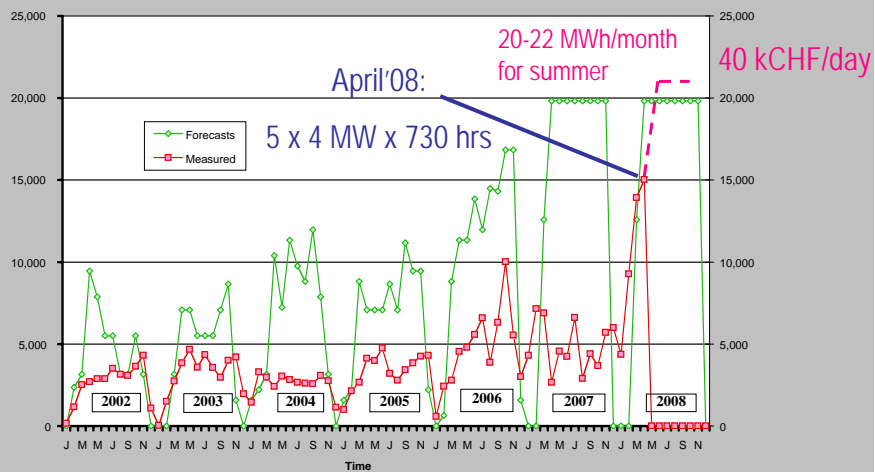


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LHC Cryogenics - Status for ICC

Towards nominal power consumption

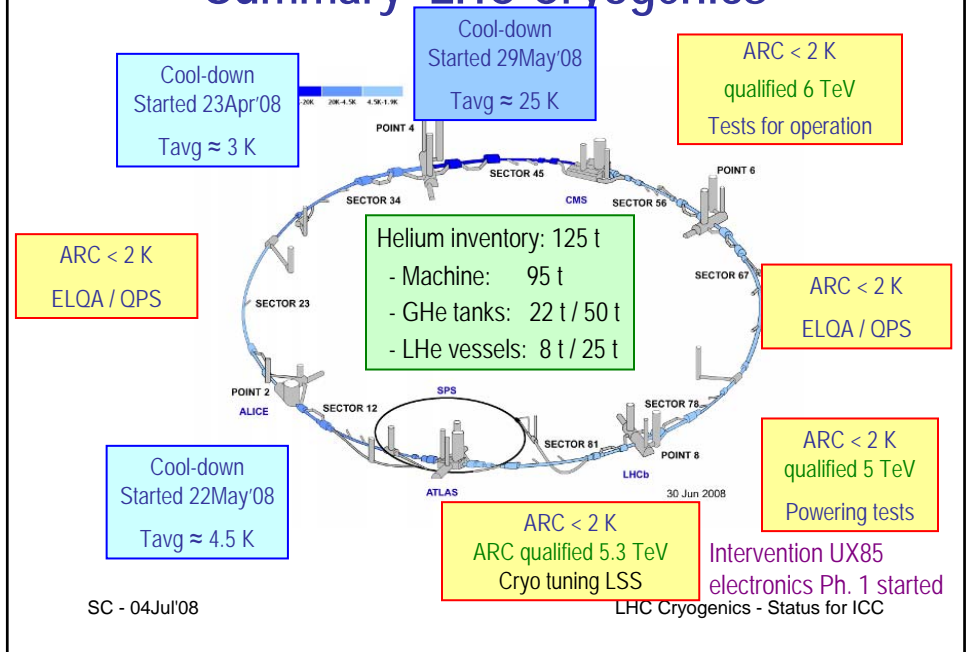
Energy forecast for LHC Cryo



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LHC Cryogenics - Status for ICC

Summary LHC Cryogenics



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