



# What happened on Saturday 06/03/2010

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- Stop of cold compressor in S12 (pressure sensor) at 04:30. Recovered in the afternoon but problem with cryo-valve on DFBAB-HCM (main circuits) in point 1 appeared in the afternoon requiring intervention from cryo piquet after blocking the main circuits. Fixed on Sunday ~01:00.
  - Lost cryo-maintain in S78 (regulation valve on RQT13.R7B1) at 07:40. Recovered conditions at 08:20
  - De-icing of filters in Sector 45 started at 05:00. Recovered at around midnight. No need for intervention on Wed 10/3 as initially planned.
  - RSS.L8.B1 : Temperature gauge not working. Keep the circuit OFF for the time being (super-locked)
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- Inquired about possibility of Interventions/tests in view of current increase to 6 kA on the main circuits. QPS team not ready for HW modifications or tests
  - Replaced power converter RCBXH3.L5 (only circuit not fully commissioned) in order to complete HWC
  - Pre-cycle of the remaining sectors started at ~01:00 but not possible to close the machine because of problem with Beam Imminent Warning (circuit breaker) in Pt. 2. Fixed by 04:30 by access piquet.
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# Sunday 07/03/2010

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- 05:45 - Beams back in LHC
  - 08:00 - Checked and corrected basic beam parameters
    - Orbit corrected in H and V : r.m.s.  $\sim 0.4$  mm both beams
    - Tune B1 O.K, B2 slightly down ( $-0.005$  both planes) - back to nominal
    - Chromaticity  $\sim 1$  for both beams and planes
    - Coupling perfect ( $\sim 0.002$ )
  - Decided to delay LHCb polarity switch due to late and difficult start
  - 08:00 - 14:00 : Injection and beam dump setting-up
  - 14:00 - 24:00 : Collimator setting-up - BLM
  - 24:00 - 07:00 : Damper setting-up
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# Plans for Monday 08/03/2010

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## Monday 08/03/2010 (preliminary)

- 07:00 - 15:00 : Aperture measurements
- 15: 00 - 21:00 : Protection device checks and setting-up
- 21:00 - 23:00 : Ramp trial without beam - collimator & BETS checks
- 23:00 - 01:00 : Pre-cycle
- 01:00 - 07:00 : Tune and orbit feedback

### Remaining:

- Switch to LHCb positive polarity
  - Switch on undulator RU.R4
  - RF vs Hump ?
  - Beta beat measurements (includes pre-cycle) and require MKQA
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