



Tuesday 16/3/2010

- Patrols lost in Point 6:

- not possible to search until 17:00 because of a problem with patrol box
- had to be done by ABT, OP with the help of Ghislain as no people from EN/MEF available → to be improved for next technical stop
- Patrol took about 6 hours because of the limited number of people and bicycles

- The same for TI2

- Sector 12/23/45/56/67 available in the evening from cryo but power converters to be unlocked in Sector 45



Tuesday 16/3/2010

– Tests by HWC team in Sectors 12 and 56 → Jean-Philippe

The following tests have been performed during the night:

- pre-cycle, ramp & rampdown-precycle in sectors (except IT):
 - S23 (all circuits except 60 A) : NO PROBLEMS FOUND WITH THE SETTINGS.
 - S67 all circuits except RB, RQD, RQF : NO PROBLEMS FOUND WITH THE SETTINGS
RB, RQD/F of S67: problem with a power supply (B22.R6) of a crate that affects the three main circuits.
 - Waiting for cryo conditions back on sector 56 to do the same tests w/o the RB.A56. The cryo conditions were lost after the 30 magnets quench following a HWC test.
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Wednesday 17/3/2010

- S34 available for powering on Wed 17/3 early morn. (quench loop broken → access needed)
 - S81-78 available for powering at 10:00 and 15:00, resp.
 - Sector 45 power converters to be unlocked in the morning
 - Closure:
 - Machine closed by midday
 - Experimental caverns closed by 16:00
 - Experimental magnets should be ON by the evening
 - Plan (tbc with MP3):
 - From 12:00 tests in sector 34 by HWC team
 - From 14:00 last HWC test on RB.A81 (powering failure at 6 kA)
 - In parallel setting-up of probe/pilot and single bunch beam (5×10^{10} p) in the SPS up to first TED
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Wednesday 17/3/2010

- From 15:00 if OK from HWC Test operational cycles in Sector 12, 34, 45, 56, 67, 78 and 81:
 - PRECYCLE_3500GeV **without bends**
 - RAMP_3.5TeV_2010_V1 **without bends**
 - RAMPDOWN_3.5TeV_PRECYCLE_COMBO **without bends**
 - **If no trips:**
 - PRECYCLE_3500GeV **with bends**
 - RAMP_3.5TeV_2010_V1 **with bends**
 - RAMPDOWN_3.5TeV_PRECYCLE_COMBO **with bends**
 - If OK from MP3 go ahead with operation. Need to have someone in CCC (likely after 24:00)
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Thursday 18/3/2010

- 00:00-04:00 LBDS tests with nominal ramp to 3.5 TeV without beam
 - 04:00-08:00 Re-establish beam (B1&B2): measure and correct orbit, tunes, coupling and chromaticity to nominal
 - 08:00-12:00 Orbit feedback setting-up
 - 12:00 Start commissioning of the ramp to 3.5 TeV with beam:
 - 1 pilot bunch/beam, nominal emit. ($3.5 \mu\text{m}$). Bucket 1 and 1001.
 - Orbit and tune feedback ON
 - All interlocks unmasked
 - Collimators to injection settings and position interlocked
 - Beam position in LSS6 interlock active with relaxed tolerance (± 6 mm instead of ± 4 mm)
 - Beam permit loops linked.
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