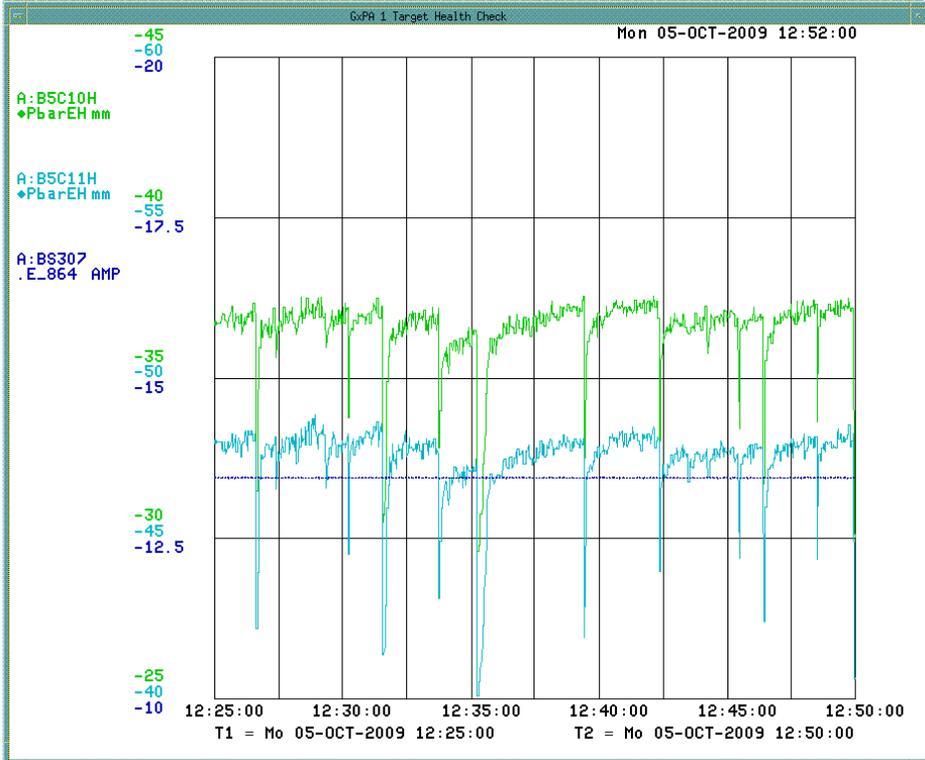
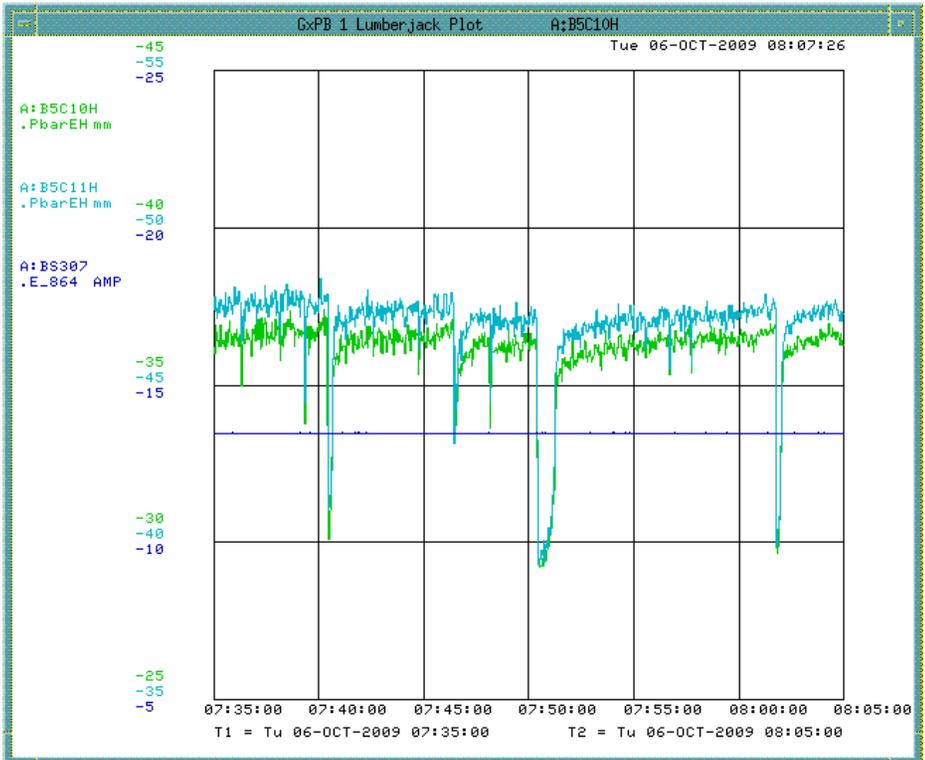


2009-10-06 A3B7 Failing

Tuesday, October 06, 2009

7:19 AM

- A3B7



- Inductance testing showed that magnet is bad
 - Normally is 24.7mH at 1KHz
 - Now is 6mH at 1 KHz
- Impact on stacking
 - Not much.

- Impact on transfers
 - Some transfers there is a orbit offset, and transfer efficiency down to 80% if that happens.
- A4B7 was replaced in 1995
 - Was ground faulted and repaired
 - #1 is at A4B7
 - #7 is the spare
 - #6 is the one in the tunnel
 - When replaced, the magnet was changed in one day, and then we had a three day bake (was it the shorter, higher temperature bake?)
- Spare
 - Steve has measurement data for #7.
 - Probe was only inserted part way.
 - 10-deg magnet
 - Spare is at AP0
- Software
 - ACL script to change shunt as orbit changes?
 - Maybe don't need to
 - Keith mentions having one non-dispersion BPM left in closed orbit mode to monitor. Can do this outside of P51.
- LCW temp
 - Raise LCW temp set point at CUB?
 - When first turn on with cold magnet, it misbehaves. So the thought is that maybe it works better.
 - Restrict flow to magnet...measure flow. Temperature probe?