Week 1

- Wednesday swing shift
 - Initial calibration / resolution
 - Initially 4 processors on BPM12
 - Poor signals (misshapen and ringing)
 - Moved to 4 processors on BPM11
 - Still poor, suspected splitters
 - Switched to 2 processors on BPM11

Week 1 cont.

- Thursday owl shift
 - Attempted feedback
 - Unable to get TMD amp to trigger
 - Switched to digital sampling investigation
 - Single bunch
 - RS232 good, no corruption over 1000's pulses
 - No sign of previous sampling error

Week 1 cont.

- Friday day shift
 - Began setup for calibration/resolution
 - Obtained new amplifier trigger (TTL vs. NIM-bar)
 - Unable to locate all 3 bunches
 - New beam trigger at -1.4us worked
 - Time short, kick unconfirmed

Week 2

- Tuesday double shift
 - Setup for feedback
 - Amp triggering, 3 bunches found
 - New sampling errors in 3 bunch mode
 - Missing pulses
 - Corrupt pulses
 - Decision taken to continue and purge poor data
 - Beam ~centred
 - Brought in kicker strips (clip beam method)
 - Many data logged for various gains, FB settings

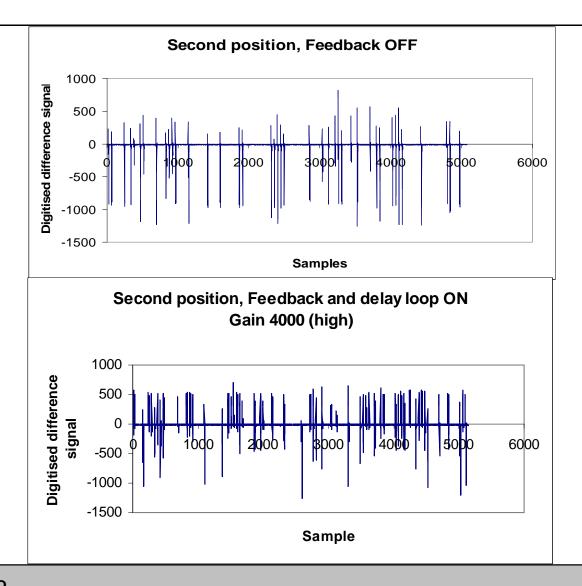
Week 2 cont.

- Tuesday double shift cont.
 - Feedback was 'affecting' beam
 - Difficult to be precise due to sampling error
 - Very large beam required tuning
 - Able to close strips further (without radiation...)
 - More data logged with strips closer

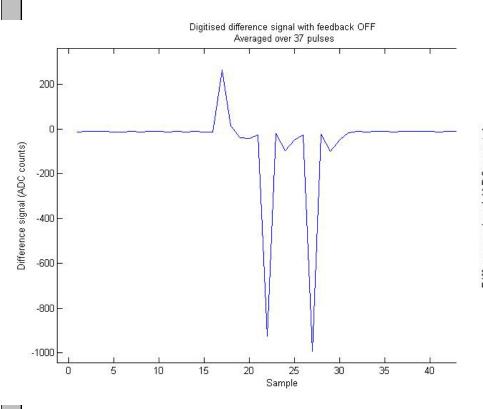
Week 2 cont.

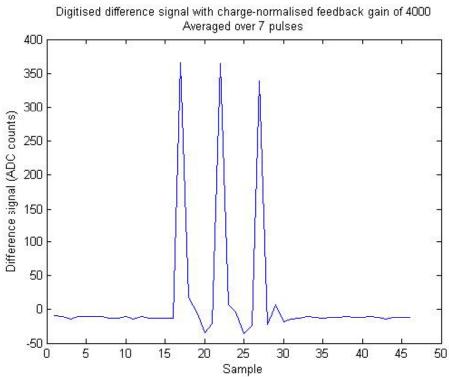
- Wednesday owl shift
 - Setup Alexander's processors
 - Unable to balance paths
 - 714MHz pickup not visible
 - Proceeded with resolution data taking
 - Took further FONT processor resolution/calibration (4 processors on 1 BPM)

FB data



FB data cont.

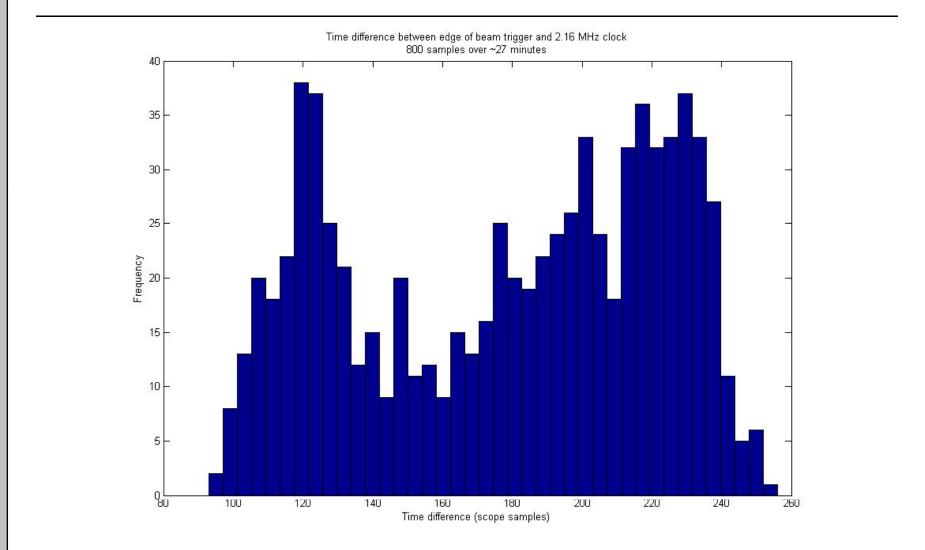




Feedback OFF

Feedback ON





March 20th 2008