

Minutes, 3/17/05 Tevatron BPM Upgrade Meeting
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This set of minutes, and all future minutes, are or will be deposited in the Beams Document Database as document number 792.

The agenda as announced consisted of:

1. Calibrations and calibration DB - Marc Mengel, Rob Kutschke
2. Status of TBT problems

1. Calibrations and calibration DB - Marc Mengel, Rob Kutschke

- Marc Mengel's slides can be found in docDB #1739.
- Marc talked about the types of data that are available and how he plans to import them into the database (DB). In general these can be found in excel spreadsheets and consist of differential phases and/or attenuation in the filter boards, Echotek boards, and cables.
- We do need to recognize that some BPMs are slightly different from all the rest (B0, D0, F0) and may require some different organization.
- We agreed that storing the data in component pairs is acceptable.
- All Echotek and filter boards are identified and can be tracked as they are installed/replaced in the VME crates around the ring.
- The DB is in SYBASE and is part of the Accelerator Controls system.
- The front-end can read the data. We discussed options and ideas for storing data in the DB. If the front-end or some application calculates calibrations that need to be loaded into the DB it can be done but there are some issues that have to be addressed.
- Work will proceed to build the DB and to learn what it takes for the front-end to use the data and to make a test of the system.

2. Status of TBT problems

- Rob Kutschke showed some slides (docDB #1737) of E3 problems from a recent shot. There were problems with the data that look like they might have been caused by the system not handling TCLKs properly or something like that. Investigations continue
- Mike Martens reported that all of the profiles looked fine on the last shot (3/17/05) but

the old BPM data was not working properly.

- Work continues on the TBT problems as Bill, Luciano, Jim, Dehong and others try to recreate the failure on the test stand so that it can be debugged and cured.