

RHIC BPM Meeting

May 29, 2008

Minutes

Attendees: Justin Gullotta, Rob Michnoff, Bob Olsen, Tom Russo, Todd Satogata, Vadim Ptitsyn

1. Discussed Work List Schedule

The result of the schedule discussion is attached as a schedule in excel. Some holes still exist, and shifting of some work may be needed.

Some specific work expected to be performed over the next few weeks includes:

- a. Order 40 feedthroughs (Tom)
- b. Check calibration of IFE modules in 1006b with external signal. This will help us determine if calibration drifting has occurred. (Justin, Phil)
- c. Install and debug operational ADO in lab system (Bob O., Justin)
- d. LogView file creation for average orbit BPM data (Todd)
- e. Continue tests to understand temperature effects (Justin, Rob)
- f. Begin generating list of known causes of BAD data (Rob, Todd, Michiko)
- g. Backup development system (Frank Naase, Justin)
- h. Plus additional work shown on the schedule

2. Presentation by Justin on trigger delay temperature effects.

The presentation notes are attached separately.

3. Other Issues Discussed

Although Tom stated last week that the new feedthroughs are expected to be more reliable, today Tom stated that we have no operational experience with the new feedthroughs and therefore have no conclusive evidence that their performance is, in fact superior. As a group we discussed whether or not to proceed with installing the newer feedthroughs in the critical areas. The consensus was that we SHOULD NOT replace any currently operational feedthroughs. Only the failed units will be replaced.

Tom asked if we thought it would be worthwhile to clean Siderta card contacts as preventative maintenance. We agreed that this IS worthwhile. Todd suggested that we complete this work as close as possible to RHIC startup.

Vadim asked which BPMs are planned to be used for 10 Hz closed orbit feedback. Todd indicated that the standard RHIC IFE BPM electronics can not be used due to the requirement that average orbit updates of several hundred Hz is required. We decided that this should be a topic for a dedicated meeting.