

Notes from the 12/13/05 MI BPM Upgrade Meeting
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These notes can be found in Beams docDB #1526.

Agenda as announced:

Project Announcements : Bob and Steve
Combiner Board status : Marv, Tim, Bob Forster, Vince
Transition Board: Manfred, Stefano, Vince, Bob Forster
Signal cables : Manfred, Bob Forster
Timing Board : Bill
Front-end software : Steve, Margaret
MI40 status : Marv, Peter, Manfred, Bill, Rob, Bob, others
Online software : Brian
Validation: Rob Kutschke
AOB

0. Project Announcements

- We will meet on December 20.
- We will not meet on December 27.
- We will meet on January 3, 2006.
- Steve will be away December 14-28.

1. Combiner Board status : Marv, Tim, Bob Forster, Vince

- Not much new here. There are 30 ready, tested, and waiting for an opportunity for installation.
- 3 non-combiner boards have been tested and are ready.

2. Transition Board: Manfred, Stefano, Vince, Bob Forster

- Manfred is away but sent the following report:

"Concerning the Transisitonboard, Andrea assembled the first 2 analog channels and is testing them. She also assembled another board with the digital control section only for Stefano."

- Bob Forster is working on preparing the information, requisitions, etc. so that these boards can be fabricated as quickly as possible once we are sure that we have the final design and we are ready for full-scale production.

3. Signal cables : Manfred, Bob Forster

- Requisition is in purchasing. (We later learned that the order has been placed.) A small change to TCLK cables is needed to replace an smb with a limo connector.

4. Timing Board : Bill

- Bill was unable to attend. As far as assembly is concerned 4 boards are being assembled now and should be finished this week. The remaining boards will be assembled as quickly as possible.

5. Front-end software : Steve, Margaret

- Steve reported progress and believes that the flash measurement is now working. And user defined TBT is working in MI40. ACNET devices are being defined and implemented.

- The PMC UCB card order is placed but the delivery date is March 6. We discussed options and it looks like we have enough cards for near-term needs and we need to investigate whether we can borrow cards when we need them.

6. MI40 status : Dave, Bob

Validation: Rob Kutschke

- Bob showed some plots of Graychip filter file characteristics. Bob will write up the information and release it as a beams-doc note. He showed the frequency response of the filters and believes that they are both correct for the current use and are more or less optimized.

- Rob Kutschke showed plots of closed orbit and TBT measurements during \$29 cycles (slip-stacking). There were questions about timing, about sum signal during slipping, etc. Some of this will require further investigation. Again the information will be written up as a beams-doc.

7. Online software : Brian

- Bob West and Luciano discussed diagnostic program issues and most if not all are now resolved.

- Working on ACNET readback.

8. AOB