

TRT Barrel Electronics VC Minutes for March 2, 2005

Agenda Items:

- board status
- SR work
- Miscellaneous issues

Board Status:

the ASDBLR chip sorting issue has been sorted out and ACAMAS has started working again.

AR2F: ACAMAS is starting the pre-series stuffing march 2nd (the day of this meeting). Rick expects to see boards at CERN in 2 weeks.

AR3B: ACAMAS will start the production series stuffing at the beginning of next week (march 7).

AR3F: A quotation was just received from ACAMAS. Mitch is not through checking out the Godwin-stuffed boards, and there also needs to be a final check of the documentation, so we are not ready to issue the purchase order. The preseries should be expected 2-3 weeks after the issue of the purchase order.

SR Work:

Most of the barrel electronics work is SR has revolved around starting a 6-module system test. So far, Ben is at the stage of chasing down the last few bugs in the patch panels from the test beam. This work has mostly stopped in the past few days due to a cooling issue. Xavier shut down the cooling unit on Friday because he saw that the fluorinert level was down to 10% in the reservoir. Mar had checked it a week ago and it was at 40%. There was a worry that there had been a large leak in the past week, but that has now been discounted. Xavier noticed that when the unit is off, a vacuum pump sucks the fluid out of the lines and into the reservoir. when that happens, the level goes up to about 40%. When Mar looked at the level, the unit must have been off, and when Xavier saw the 10% level, the unit was running and the fluid had flowed out to fill the pipes in the clean room.

Still, there is a problem because we only have 10% of the reservoir and that is not enough. Fido authorized the order of 80 more liters (the reservoir holds 100) and in the meantime Mar found a group at CERN that was willing to loan us 40 liters to work with for the next few weeks. A test of the system will be made tomorrow after the reservoir is re-filled and we will go on from there. Fido is worried that this is the 3rd time we've had to buy more fluorinert and we have yet to demonstrate that we can run the system without losing fluid.

Miscellaneous issues:

Anatoli raised an issue involving an apparent difference in gain

for the high threshold response for AR1BL boards versus AR1BS boards. This was investigated briefly during the meeting using the electronics integration web interface (<https://trtdaq1.cern.ch/xtrt/xtrt.php> username is trtsys. contact Ben LeGeyt, Ole Rohne, or Nabil Ghodbane for the password if you do not know it), but no conclusion was made.

Fido suggested that a general electronics meeting (not confined to front-end boards) be held on the 'off' weeks now that the regular meeting has gone to an every-other-week schedule. This is intended to look at and discuss backend and patch panel issues. A time, place, and moderator have yet to be determined.