

## Minutes for AMiBA Engineering Telecon

Meeting Date: 3-March-2005

Participants:

Australia:

USA: M.T., Ted, Pierre, Johnson

Taiwan: Homin, C.T., Steven, Chao-Hao, Joshua

USA Dial-in = 1-800-653-5390, 6668081#

Outside USA Dial-in = 1 773 843 6301

Minutes Recorder: Steven

---

**I. New Action Items:**

**II. Previous Action Items (still open):**

**III. Closed Action Items (as of this meeting):**

**IV. Miscellaneous Discussions:**

Receiver:

**Johnson** - I checked receiver 3 and receiver 4 and found one LNA in #4 has some problems. I had changed the PCB and the problems are still there. The receiver 4 the normal voltage one have problem. It can not be tunable when we adjust the bias. **M.T.** - I will check with Johnson when I get back.

LO/IF:

**Steven** - I will ship out the #1 and #2 this week. #5 to #7 are under instructing. I am short of some 90 degree wave guide since they are in Hilo for attenuator testing. So #8 will be a little delay. #5 to #7 could be shipped out with receiver.

Calibration System:

Correlator:

**C.T.** - We set up the enclosure and break together this week and order the components of it. It will be sent out in mid March for the first version. **M.T.** - What is the first version meaning? **C.T.** - For the platform, we want to move the position to the other place. Move from section B to section A to reduce the deflection. But we can use the first version in the beginning. For new design, we need two weeks for drawing and four weeks for manufacturing. The one we used in lab is fairly stable. If anyone is smaller than it will not be stable.

Dish:

**M.T.** - No update.

Platform:

**Ted** - The platform is leaving from Monolua site and we will prepare the assembly in next few week. We will replace the interface ring of hexpod. The interface ring is made by steel and the thickness is five inches.

Mount:

**Pierre** - Stefan is still testing the mount for acceptance test. The acceptance test will be finished soon. The DOC encoder is broken and the manufacture in Germany had sipped a new one. The new encoder should arrive to Hilo tomorrow. The test is not including the pointing model. **Ted** - We will check the part number including the jet screw, mount etc. and Patrick will check few stars pointing. **M.T.** - In this part of job, there are two areas. One is Nishioka working on so called pointing schedule and the other is pointing program worked by Patrick. The data pipe line is not completed and we will see. We are just talking about the star image taking.

## Minutes for AMiBA Engineering Telecon

**Homin** - in this stage, we don't test the tracking but just take a picture in 1ms or 0.1second. Then move to next target for all sky scanning. **M.T.** - The two computers should work independently but related. The TCS should waiting for command from the CCD laptop. The key issue is how these two computers communicate. We will start the three stars non polarization test when Patrick and Nishioka come back on next week to understand the flow. **Homin** - The TCS offer the pretty precise time data. The offset is under 0.1 second in one day. So the time stamp should come from TCS. I think the time problem is resolved. **M.T.** - Patrick and Nishioka will stay here few more weeks to working on this.

### Site:

**Pierre** - About the 48 power distribution, I am working on it right now. I will go back to Taipei in next week. I will build it in Taiwan and bring it back.

**M.T.** - The dimension of electrical cable box are still not be defined. **Pierre** - There are two I/O box from Vertex is there already. I can send the dimension to Joshua since it fits the mechanical design. **M.T.** - There are two very important issues for you. One is cold head power distribution and the other is the shelter. The Helium line is more urgent. **Joshua** - Pierre, please take the diode transducer for me when you come to Taipei.