

Minutes for AMiBA Engineering Telecon

Meeting Date: 3-February-2005

Participants:

Australia:

USA: M.T., Phillip, Nishioka, Patrick, Michel

Taiwan: Homin, Kyle, Pierre, C.T., Ted, Johnson, Steven, 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:

MMIC:

Receiver:

Johnson - No update

LO/IF:

Steven - No update

Calibration System:

Kyle - I have the phase shifter in Taipei. I will use the VNA in EE departments. M.T. also asked the vendor of harmonic generator for the quotation.

Correlator:

C.T. - We have the enclosure be finished. The machine shop will ship it to the lab today and we will ship it to Hilo. We also have the shielding of readout board ready and it looks fine. We have to test it in the Hilo.

Dish:

Patrick - About the test result, the rms value of flat is below our specification. The highest one is 16 micron. It looks pretty good. The focal length is variable for old data fitting. **Kyle** - I think we can trust the mirror fitting result. You can set A and B according to the mirror fitting result and it will give you the 108mm.

Platform:

Phillip - I think the platform will deliver on next Wednesday. We need one week to assembly it to the hexpods. We will assembly it on early March.

M.T. - About the shelter, the snow and ice simulating, the power switch plat is leaking down. Another is leaking doe to the supporting corn.

Mount:

M.T. - Stephen is still working on the mount and it looks OK. The full extend should start on next week. Now the mount can move in manual mode. **Phillip** - It moving properly and I think he found some bed wiring. **Pierre** - How about the acceptance test? **M.T.** - Ted should send the acceptance test information to Pierre.

Patrick - We can change the focus for image taking for tracing. I am not sure about if the software working normally. I like to test it on the ground and move it to the interface ring when it works well enough. **Michel** - The program can analyze the image. I can send some programs to Patrick for testing. Once Patrick get the images and send to me, I can check what happening. **M.T.** - We need to set

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the schedule. Michel - When TCS goes to work properly and we put the platform on, we will need the Nishioka's program.

Site:

Patrick - I shutdown the optical fiber box yesterday since the fan is failed and become very hot.

Pierre - The container have the twisted pair cable. **M.T.** - The media converter have fiber connected. We are going to test the router and switches.

Michel - I look to the software and Vertex had upgraded the software. Each PC might need to upgrade the software.

Homin - Michel is concerning the traffic of the internal loop between TCS and Vertex. I will remove the laptop of optical telescope outside the internal loop. There are two Ethernet cards in the laptop. One is for communicating with the Optical telescope and the other is for TCS internal communication. **Michel** - The software might not need two IP for communication. Vertex might need to consider the traffic and correlator. The other connection to outside world is for monitoring and correlator. **M.T.** - The container should have a card for TCS and connect to the Vertex in internal loop. We will have the hardware firewall to protect the internal loop. There are two internal loops. One is for optical telescope and the other is control monitor PCs. **Michel** - We have many PCs for each use. We need to be very careful when change the IP. **Homin** - We will have a fix IP and an internal IP and it should independent to the Vertex network. I have to try out the application. **Michel** - We just need to assign the destination IP. Right now we should not interrupt the progress to Stephen. We should find out which system is work. Could Homin go Hilo shortly for testing? **Homin** - I will go to Hilo after the Chinese New Year.