

Minutes for AMiBA Engineering Telecon

Meeting Time: UTC 8:30, 27-April-2006

Note the time for the next meeting would be back to the regular one, UTC 9:00

Participants:

Australia:

USA: Kyle, Su-Wei, Peter

Taiwan: Homin, Eugene, Chia-Hao, Hiroaki, Kyle, Keiichi, Patrick, Johnny, Fabi, Johnson, MTC, Paul_S & Paul_H, Locutus

USA Dial-in = 1-877-505-6247; passcode 8339148 #; mod_code 2917771 #

Outside USA Dial-in = 1 630 693 3224

Minutes Recorder: MTC

- AMiBA current status:
 - Path length alignment. Some path length difference up to several cm. Need to find out why – ship VNA from Hilo to MLO for measurement, or take cables off the platform for a direct measurement. MTC is wary of VNA thru the bumpy road up to MLO... Work continue on MLO for Kyle and Su-Wei
 - (TOP Priority) Grxmon still does not function properly. Homin reports that the problem is both hardware and software. Homin & Chia-Hao, together with Su-wei, CT & Kyle are working on this issue.
 - Two sets of data are obtained from the past week's testing. Patrick would carry out the analysis.
- RX/IF/LO:
 - Still missing the last LNA from JPL. Todd has been out of contact. MTC will continue the pressure.
- Correlator: No update.
- Site:
 - Shelter improvement, electronic, pending on Pierre's return to Hilo.
 - No update on firewall (John & Homin)
 - No update on emergency power generator (Pierre & Ted)
 - Few more tasks or issues need to be discussed or taken care of:
 - A Site PA system (Over internet?)
 - Light inside the shelter (For day time worker)?
 - Control container, water leakage need to be fixed?
 - Lighting protection?
 - Sleeping container, need to install a door stopper to prevent further door damage
 - Need discussion regarding move out the transformer? Pierre's comment.
 - A shelter operation procedure.
 - Fabric replacement (Long term, but important.)
 - Ground shield, feasibility study, may contract to Bill and ARL
 - Supporting cone insulation?
 - Platform covers for drop-thru holes (CFRP, strong structure)?
 - A stair way up to the platform – might have to order an off-the-shelf model and modify it?
 - Crane?
- Testing:
 - A second CCD camera. MTC worked with Debbie in purchasing a second-hand one from a Canadian. Should learn something in a week.
 - Patrick to coordinate a manpower schedule for Hilo testing.
- Dish:
 - Locutus reports Protty was working on data analysis of the 60 cm. No update on the 7th dish.
 - No news on 1.2m dish (Paul Shaw). MTC notes that 1.2 M dish is becoming a very critical and pacing item in the task.
 - Proposed Schedule (Ong, 4/20/2006)
 1. Mold modification: April 27

2. New dish surface
 - May 2: dish surface preparation(machinning and polishing)
 - May 4: surface aluminum palting(Taipin, Taichung)
 - May 5: dish surface measurement(ITRI)
 3. Dish RMS calculation (Patric?) May 10
 4. Assembly and measurement May 12
 5. Delivery: May 15
- 1.2 M dish structural support. MTC expresses concern on 1.2M dish mounting mechanism. MTC to ask Philippe to look into this issue.
 - No update on dish cover.