

Minutes for AMiBA Engineering Telecom 20061019, UTC 1:00

Regular Meeting Time: UTC 1:00 Every Thursday

Patrick, CT, Ken, Michael, Ted, Locutus, Johnson, Pierre, Su-wei, Johnny, Chia-Hou, Joshua, Nishioka, Keiichi, Michael, GC, Paul Shaw.

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

Outside USA Dial-in = 1 630 693 3224

- The Current Issues:
 - (1019) Patrick & CT:
 - Not much tests in the past week due to weather. Mainly working on integration of a-boss to correlator.
 - Scan function test with a-boss. Seem OK.
 - Prepare to mount the 2nd OT.
 - (1019) Johnson:
 - Coldhead are scheduled for service after the current test.
 - Receiver revision
 - CT: Correlator components back in places. IF power level re-adjusted. Will test Sun scan, without dish.
 - (1012) Ted: photogrammetry on-going
 - (1012) No sign for 1.2 M prototype dish. Stuck in custom.
 - (1019) Johnson & Kyle suggest to change the SMA vacuum feethru for the IF. Expect to reduce leak rate of the vacuum, and improve on pump-down efficiency. Will work with Johnny on mechanical design.
 - (1019) Johnny to update the receiver mechanical drawings for 13-element expansion.
 - (1019) Pablo and Ted to check on any structural damage due to the earth quake.
 - (1019) Power outage, a solution or resolution is needed to keep the receivers running.
 - (Long ago) Noise Calibration: no progress.
 - (1012) Temperature issue. CT report no clear conclusion. Johnny is scheduled to visit Hilo for correlator cooling issue.
 - (1012) 1.2 M dish: weight issue on top of the list
 - (1012) Paul Ho: ask AMiBA to come up with nominal sensitivity. CT is after that.
 - (1019) Scanner system on top of the platform for near field beam pattern measurement. System is in preliminary phase. Su-wei and Eugene are working on this.
 - (1019) Kyle will be serving his mandatory military service in the next three months. Good luck to him. Ken will pick up the delay-line analysis.
- Major Issues:
 - (20060517) Large temperature variation in correlator. Major problem. Resolution to be investigated.
 - (20060507) DRO & receiver overnight stability. Got measurement. DRO over night seemed OK in both phase and amplitude. MT urged everyone to look into what were the realistic numbers we were after. Would come back to this issue again.
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- Intermittent Issues:
 - (20060504) ACU occasional crashes. Cause unknown. Reboot the machine would resolve the situation.

Traveling Schedule to Hilo:

Ken: 10/17 – end of year

Guo-Chin: 10/12 – 11/10

Hiroaki: 11/11 – 12/9

Homin: Sometime in Nov

Pierre: 11/15 – 12/15

Su-wei: 11/23 – 02/02/07

Keiichi: 12/2 – 12/30

Proty: 12/20 – 1/20/07

Locutus: 12/20 – 1/20/07
CT: 1/5/07 – 1/31/07

ASIAA Hawaii: <http://pmo.asiaa.sinica.edu.tw/Hilo%20office/>
AMiBA Website: <http://amiba.asiaa.sinica.edu.tw/>

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