

Minutes for AMiBA Engineering Telecom 20061109, UTC 1:00

Regular Meeting Time: UTC 1:00 Every Thursday

Patrick, CT, Ken, Ted, Chia-Hou, Joshua, GC, Paul Shaw, Johnny, Pablo, Protty, Locutus. Michael K.

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

Outside USA Dial-in = 1 630 693 3224

- The Current Issues:
 - Pablo:
 - Site update log (1108)
 - All receivers cooled to operational temperature ready for tests.
 - Sun scan data taken, analysis pending.....
 - Transition stage measure for #7. Data taken, analysis pending.....
 - Cooling test for correlator housing. Would start in few days....
 - Scanning with Sun. Need further work to prevent dish from damage during Sun scan.
 - 1.2 m dish on site. Handling is less hassle than expected. Lifting to the platform can be handled with three person and the cherry picker.
 - (1026) Pierre:
 - Installation of transit voltage sensor (TVS) for surge protection.
 - Revise site electrical schematic with the TVS sensors.
 - Emergency power generator. Pierre & Pablo to visit vendor for addition of the compressors in the emergency power. Wait till Pierre's arrival to Hilo.
 - (1026) Patrick: Rx-7 needs translation stage test for baseline calibration. GC and Ken will carry out the test before mounting the dish.
 - (1019) Patrick: 2nd OT mounted. Ready for testing. GC will run optical pointing test.
 -
- CT:
 - Discreet readout board with Pierre. Work with vendor, PCB layout settled. Aim at 1st test at the end of the year.
 - Discussion with ARL on new correlator housing. Quote pending.
 - One of the RR module may be swpped, pending on the Sun scan result.
- (1026) Pablo to take inventory on vacuum parts. Purchase if needed. Please check with the recent purchase by Johnson. Shipment should be in shortly.
- (1026) Coldhead service postponed after the current receiver test. Future logistics to be plotted out by Pablo, Ted, and Johnson. (1026)
- (1026) New compressor to be checked out.
- Photogrammetry.
 - Ted sent out a draft report is out to Philippe for review. Would circulate once clear with Philippe.
 - Michael K. stressed the importance of understand the 4-fold symmetry in platform deformation, for the future implementation of the resolution.
- Plan with 1.2 M prototype.
 - CT sent out a testing plan.
 - Pending necessary testing equipment on site.
- 1.2 m dish.
 - Patrick stressed the importance of baffle losses in RF. Would review the previous measurement result.
 - Cotech circulated another version of the dish with modification on the quadrupod and it attachment to the baffle. Pending on Philippe's analysis on this new structure and the thin primary for next steps.
- (1026) MTC: Pablo will be in charge of site activity and coordination. Please pass your plan and request thru him.
- Priority:
 - Get the AMiBA going on CMB observation by the end of this year.
 - 1.2 M dish.
- (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) Prot'y: Data server arrived. John Cheng was helping setting it up.
- 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.
 -
- 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 – 11/11
 Hiroaki: 11/11 – 12/9
 Homin: Sometime in Nov
 Pierre: 11/16 – 12/15
 Su-wei: 11/23 – 02/02/07
 Keiichi: 12/2 – 12/30
 Prot'y: 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/>

Distribution List:

kylin@asiaa.sinica.edu.tw, ctli@asiaa.sinica.edu.tw, dkubo@sma.hawaii.edu, homin@asiaa.sinica.edu.tw,
cchan@asiaa.sinica.edu.tw, shchang@asiaa.sinica.edu.tw, pmkoch@asiaa.sinica.edu.tw,
pierre@asiaa.sinica.edu.tw, yduang@asiaa.sinica.edu.tw, chiuehth@phys.ntu.edu.tw,
kyl@asiaa.sinica.edu.tw, nishioka@asiaa.sinica.edu.tw, jhpw@phys.ntu.edu.tw, keiichi@asiaa.sinica.edu.tw,
r91222042@ntu.edu.tw, mkestev@atnf.csiro.au, raffin@asiaa.sinica.edu.tw, hueiwan@ew.ee.ntu.edu.tw,
pshaw@asiaa.sinica.edu.tw, yjhwang@asiaa.sinica.edu.tw, f87026@ew.ee.ntu.edu.tw, ho@cfa.harvard.edu,
jbp@cmu.edu, swchang@asiaa.sinica.edu.tw, thc@ew.ee.ntu.edu.tw, chchang@asiaa.sinica.edu.tw,
ken@asiaa.sinica.edu.tw, fabl@asiaa.sinica.edu.tw, poshiro@asiaa.sinica.edu.tw, jlim@asiaa.sinica.edu.tw,
wwilson@atnf.CSIRO.AU, altamituri@gmail.com

Please contact MTC for managing this mailing list