Minutes for AMiBA Engineering Telecom 20061228, UTC 1:00

Regular Meeting Time: UTC 1:00 Every Thursday
CT, Chia-Hou, Joshua, Johnny, Hiroaki, Homin, Johnson, Locutus, Eugene, MTC, Paul_S, Ted, Ken, Suwei, Pablo, Keiichi, MY Lai
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- The Current Issues: (with some psot-meeting update)
  - Lacking manpower. Ken had a family emergency and had to fly home on New Year Day. Only Pablo, Peter, and Su-wei on site.
  - Ant-3, DRO cable broke at connector near receiver side. Su-wei replaced with new cable. CT comment a better type of cable would be used once system tuning settled.
  - Ant-4, IF/LO module problem. One of LO pin switches was no working (new module). Replaced by Su-Wei.
  - Correlator, missing 9 baselines. CT commented likely a problem related to power divider. Will be checked.
  - Keiichi:
    - Logged data's time duration had confusing time period (?), may due to communication issue between correlator PC (data-logger) and TCS. Woul require a bit more debugging work.
    - DC offset is around few hundreds counts and varies. CT would work on electronic to resolve the issue before adopting another switching method.
  - Ant 6 cold head is acting up. May need attention soon.
  - MTC: Would go ahead with the generator purchase, along with new ATS installation.
  - Shelter operation was still not final. Continue manual-servo operation.
    - (1130) M1 & M2 load-cell installed. Ran into problem with M3. Mechanical interference between load-cell and truss. Pending further discussion with Ted on solution. Will test M1 and M2, plus PLC control at the moment.
    - (1026) No update on installation of transit voltage sensor (TVS) for surge protection.
  - (1019) Patrick: 2nd OT mounted. Ready for testing. GC will run optical pointing test.
- 1.2 m dish:
  - Ted: Spec is ready, pending on analysis result.
- (1113) Photogrammetry. No update.
  - Modeling the deformation based on the new set of photogrammetry data. (Ted &/or Philippe)
  - (1106) Ted sent out a draft report is out to Philippe for review. Would circulate once clear with Philippe.
  - (1106) Michael K. stressed the importance of understand the 4-fold symmetry in platform deformation, for the future implementation of the resolution.
- (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) Proty: Data server arrived. John Cheng was helping setting it up.
- Major Issues:
  - (20060517) Large temperature variation in correlator. Major problem. Resolution to be investigated.
  - (20061109) Need further work to prevent dish from damage during Sun scan.
  - (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.

Traveling Schedule to Hilo:
Homin: End of Jan
Su-wei: 11/23 – 02/02/07
Mark Chen: 1/11 – 2/12/07
Proty: 1/12 – 2/12/07 (??)
Locutus: ??
CT: 1/20 – 2/12/07

Chia-Hou: 3/1 – 4/1/07

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