

Minutes for AMiBA Engineering Telecom 20070118, UTC 1:00

Regular Meeting Time: UTC 1:00 Every Thursday

Chia-Hou, Joshua, Johnny, Homin, Johnson, MTC, Ted, Suwei, Pablo, Pierre, Peter, Derek, Paul_S, Michael, Keiichi, Mark, Patrick, Protty, Locutus.

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- The Current Issues:
 - Protty: still missing baseline from Jupiter observation.
 - (0111) Correlator, missing 9 baselines. CT commented likely a problem related to power divider. Will be checked.
 - Pablo:
 - Temperature oscillation (30K, day & night?) in Ant-2 and Ant-6. Likely need service soon.
 - E-generator order in process. Expected completion time: two months.
 - Location: extra concrete pad right next to control container.
 - Pierre comment: to leave site backside accessible, might consider moving storage container to the same site as the g-generator?
 - Protty:
 - Three sets of Jupiter observation since very early morning. Two sets were of drift-scanning, while the last one was two-hour tracking.
 - Following Jupiter, tracking some weak sources. Analysis result will come out shortly.
 - Observation was still of manual
 - Still missing 9 baseline data. Previous repair did not resolve the problem. Need this one back ASAP.
 - ACU-HPC communication broke during observation. Need to be fixed or resolved. Patrick commented the problem was recurrent. He will contact Vertex for resolution. Ken cautioned that if drive H-pod polarization into extreme, 30 degree, it might induce such problem. Protty commented that was unlikely the case. Would check in if occur again.
 - Time-syn issue happened again at the beginning of observation and went away in the rest of the period. CT's remedy certainly helped, but not completely. CT should look into the topic again.
 - Michael:
 - Suggested to check in ATNF's web for radio source at 90 GHz.
 - Would with Protty to improve observation with a-boss.
 - (20061228) DC offset is around few hundreds counts and varies. CT would work on electronic to resolve the issue before adopting another switching method.
 - (2006 1019) Patrick: 2nd OT mounted. Ready for testing. GC will run optical pointing test.
- In the coming week:
 - Jupiter observation for radio alignment
 - Improving S/N ratio.
 - Resolving, or reducing DC off-set.
- 1.2 m dish:
 - Got quotation from Cotech, some pricing issues. Ted to follow it up.
 - (0109) Philippe updated 1,2 meter antenna model. Need feasibility information from vendor.
- (20061113) 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 understanding the 4-fold symmetry in platform deformation, for the future implementation of the resolution.
- (20061019) 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.
- (20061019) Protty: Data server arrived. John Cheng was helping setting it up.
- Pending Issues:
 - (20061228) 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.

Traveling Schedule to Hilo:

Su-wei: 11/23 – 02/02/07

Mark Chen: 1/11 – 2/12/07

Proty: 1/12 – 2/12/07

Locutus: 1/11 – 2/11/07

Homin: 1/25 – 2/8/07

Ken: 1/27 – 4/21/07

CT: 1/19 – 2/12/07

Chia-Hou: 3/1 – 4/1/07

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