

Minutes for AMiBA Engineering Telecom 20070125, UTC 1:00

Regular Meeting Time: UTC 1:00 Every Thursday

CT, Chia-Hou, Joshua, Johnny, Hiroaki, Homin, Eugene, Ted, Suwei, Pablo, Pierre, Peter, Derek, Paul_S, Lai

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Recorder: Ted Huang

The Current Issues: (with some last-meeting update)

- Protty:
 - ◆ C.T. fixed somebaseline. Still missing some baseline from Jupiter observation.
 - ◆ Pablo and other engineers recover all of the receivers from power failure on Monday. Took more data on Tuesday.
 - ◆ DC-Offset issue: Comparing the last week data and this week data. DC offset is around few tens and few tens thousand counts and varies. Will look into detail to see if the DC-offset is time dependence.
 - ◆ Analysis the Jupiter data found out that the amplitude is vary with elevation in 3 hours observation. It's more like pointing problem.
 - ◆ ACU-HPC communication broke during observation. Need to be fixed or resolved. Patrick sent out a mail with error message record to Vertex for resolution. Protty and Locutus reported that it happened again on Tuesday observation. Patrick and Locutus will look into log.
 - ◆ (0118)Time-syn issue happened again at the beginning of observation and went away int ehrest of the period. CT's remedy certainly helped, but not completely. CT should look into the topic again.
- Pablo:
 - ◆ Recover all of the receivers from power failure on Monday.
 - ◆ Testing the correlator module in order to figure out the problem of missing baseline. Fixed some base-line already. Still missing some basel-ine.
 - ◆ E-generator order in process.
 - ◆ Took more data on Tuesday.Temperature oscillation (30K, day & night?) in Ant-2 and Ant-6. Likely need service
- In the coming week:
 - ◆ Jupiter observation fro radio alignment and ground pickup
 - ◆ Improving S/N ratio.
 - ◆ Resolving, or reducing DC off-set.
- 1.2 m dish:
 - ◆ Modifying the 1.2m dish specification. Will feedback to Cotech with some questions regarding to the pricing issues.
 - ◆ Philippe updated 1,2 meter antenna model. Ted will generate a new design drawing.
- (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 understand 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) Proty: 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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