

Planning Meeting for the S-Pol Deployment at TiMREX

Wednesday, December 12, 2007 Meeting Notes

ATTENDEES

Maureen Donovan, Jonathan Emmett, Gordon Farquharson, Dennis Flanigan, John Hubbert, Bob Rilling, Briesa St. Martin, Joe VanAndel, Tammy Weckwerth, Mike Strong, Chris Burkhart, Jeff Bobka, Wen-Chau Lee (on phone)

GENERAL

- Next meeting will be held Wednesday, December 19, 2007 from 10:30-12:00 in the EOL Atrium.
- Project overview meeting will be near the end of January.

SITE PREPARATION

- Gordon Farquharson reported that the company that sells the lightning protection has recommended that we not use the lightning protection system without burying the cables. Because of this recommendation, Gordon has contacted site and safety services to review Jeff's plan for the site. The concern is that if we were to ignore the recommendation of the lightning company, we would be held liable if anybody was hurt due to a lightning strike.
- Jeff Bobka explained that the lightning protection at the Ta Di Hill site would be underground except for the area across the road.
- Jeff Bobka sent a site preparation plan to Wen-Chau for the levy site in preparation for his meeting with local authorities.
- Wen-Chau and Ben met with the Chief of Water Resource Agency this afternoon and received a very positive response for sighting S-Pol at the levee. CWB or NTU will apply for the permission for S-Pol to use the site, and then an initial site survey by a local WRA official will be conducted before the end of December. There is concern that the weight that S-Pol puts on the base plate may be too heavy for the site. If the load of S-Pol exceeds that for which the levee is designed, the CWB may need to consult an engineering firm to reinforce the levee structure. Jeff may need to go to Taiwan to discuss proposed changes to his site plan with related parties. For instance, the WRA have suggested that a steel structure be constructed instead of filling the gazebo area.
- Wen-Chau also reported that the WRA have offered to pay the cost of the site restoration of the levy site. This offer removes one of the major road blocks to using the levee site.
- It was proposed that the CWB pay for the lightning protection equipment required for the project. However, the cost will only be approx. \$3k, which is not significant enough to ask for.

- Wen-Chau Lee informed us that the road to the Ta Di hill site will be widened in the near future, which would mean that the exposed lightning protection would increase.

OPERATIONS CENTER

- Wen-Chau reported that due to the expected 2 Mbit/s available bandwidth to the CWB South Center, the operations center will probably be moved to Taipei. Therefore, S-Pol scientists will likely be located at the radar. Ben Jou and Wen-Chau have discussed renting a temporary building to put on the S-Pol site to house US and Taiwan scientists. The CWB south Center will be available for debriefings and for a backup operations center.
- Bob Rilling sent Frank Ling a copy of the CWB networking infrastructure diagram.

FREQUENCY LICENSE

- Wen-Chau has not heard back from the CWB on the frequency license application.

SHIPPING

- Wen-Chau Lee has not heard back from the CWB regarding the packing list.
- Jonathan has not received quotes from SeaJet from Brigitte.

LODGING

- The Taiwanese are looking for studio apartments for NCAR staff. These will be furnished, and hopefully will be close to restaurants. They will likely typically used by students, so will be close to a local university.
- Wen-Chau will try to get all of our requirements (internet, washing facilities, close to restaurants, and sharing nothing).
- Various people suggested looking at the City Star, but it is difficult for the CWB to pay for hotel costs.

LOGISTICS

- Wen-Chau has contacted the AIT officer, but he/she will only be available in late January.

S-POL PREPARATION

- Bob Rilling has purchased LTO tapes drives which will be used to archive the HAWK data.
- We still need to acquire a color laser printer for use at S-Pol.

ACTION ITEMS

- **Gordon Farquharson** will designate one of the TiMREX meetings as a project overview meeting in which Wen-Chau will provide an overview of the experiment,

and UCAR Site and Safety services will present their project safety review of TiMREX.

- **Scott Ellis** will try to find out from where the sounding profiles can be obtained.
- **Wen-Chau Lee** will send shipping contact to Jonathan.
- **Jim Wilson** will send a draft of the science needs (variables, displays, etc.) to Joe VanAndel.
- **Scott Ellis** will try to find out from where the sounding profiles can be obtained.
- **Dennis Flanigan** will test the image generation capabilities of CIDD at S-Pol, and write a script to transfer the image to the EOL FTP server.
- **Jonathan Emmett** will find out whether we need to have wood in S-Pol fumigated.
- **Jonathan Emmett** will talk to Kerry Slaven about shipping hazardous materials.
- **Gordon Farquharson** will draft a letter for the CWB to sign stating that S-Pol has been invited to TiMREX. The letter will be written on CWB letterhead paper in both English and Mandarin. **Briesa St. Martin** will add the letter to the Project Manual.
- **Bob Rilling, John Hubbert, Mike Dixon, and Gordon Farquharson** will determine which variables from the HAWK processor to archive.
- **Scott Ellis will show Gordon Farquharson, Jim Wilson, and Bob Rilling** how to set up the refractivity processing at S-Pol.
- **Gordon Farquharson** will send Wen-Chau the scientists staffing schedule, and email the mailing group when it is put on the Web.
- **Maureen Donovan** will be compiling a list of the items we would like the Taiwanese to pay for.
- **Bob Rilling** will look for laser printers for S-Pol.