

===== Tianlai teleconf (12 December 2013) summary =====

Attendance: R. Ansari, J.E. Campagne, , J.M. Martin, M. Moniez,
J. Peterson, P. Timbie, Le Zhang, Jiao Zhang,
NAOC: X. Chen, Quizhi Huang, Fengquan Wu, Yichao Li, Yidong Xu

This meeting web page and documents:

<https://indico.lal.in2p3.fr/conferenceDisplay.py?confId=2312>

A- Site in Xinjiang

- Difficulties for obtaining authorizations for the original site considered for Tianlai in Xinjiang
- A new site east of Urumqi (~ 300-400 km on the east side) at 1500 m altitude -
- Site suggested (owned ?) by the Urumqi observatory , reasonably easy access, mostly paved road

B- Activities in Wisconsin (P. Timbie)

- Questions about cylinder parameters (width, f/D ...) has been raised.
- Peter will organize the discussions with the aim of defining these parameters
- Pre-proposal for a Tianlai related NSF proposal will be submitted to the Wisconsin university - full proposal due for end of January
- A copy of the 4-square feed was made and will be tested
- Le is working on extending the CMB simulation (interferometer) code to 3D and include also the foreground removal - expect a presentation in one of the next teleconfs
- Copy of the feeds (coffee can feeds) designed and build in China will be made and tested on the antenna range in Wisconsin

C- Sky Map reconstruction (J. Zhang)

- The sky map reconstruction method for transit type interferometers is presented by Jiao
- See the slides for more details -
- Discussion should be continued in a dedicated meeting
- a number of problems have been identified (mainly reflexion due to connectors) and have been identified and partial solutions are proposed.
- Questions by Jeff about the PAON-4 antenna structures

D- discussions/AOB

- J.M. Martin: Short progress report on PAON-4 mounting (see photos)
- J.M. Martin: incoming meetings:
 - Radio LOFAR-SKA workshop in Paris in February
 - plan to organize the next intensity mapping workshop next spring/summer in Paris
- Xuelei visit to France in February
- J. Peterson: In the US, a compact array of dishes is being considered for HERA, as MWA & PAPER experience show that dipole arrays dot not work well