



AA Calibration and Calibratability 2012 Workshop Summary

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An Appropriate Presenter of this Topic!

MeqTree Clientele Group 3: Button-Pushing Astronomers



The ideal
astronomer GUI
(Tony Willis):

GO

GO FASTER

**DO WHAT
I MEAN!**

- Great to see contributions from so many different groups and particularly work from younger people.

- Whole sky is important
 - Oleg - Meerkat Sidelobe simulations
 - Sarod - Lofar data
 - Stefan - modeling of LOFAR main beam
 - Parisa - ionosphere

- Different approaches to calibration solution
 - The Cathedral and the Bazaar
 - Sarod - SAGEcal
 - Stef - STEFcal

■ Simulators

- MeqTrees, OSKAR, XRay - Can their results be compared?
- Simulation can equal deception!!

■ Beam Pattern Characterization

- Stefan, Eloy, Nima - need only about five parameters with basis functions
- Need to get rid of Cat 1 sources (S/N greater than 3 in 10 sec sample) on individual basis, but use beam descriptor to get rid of CAT II sources

■ Image fidelity and metrics (Niva).

- Need standard test fields (e.g. SKADS Challenge Fields)
- Standard practice in Computer Graphics and Medical Imaging