September 5th 2014

Attendees: Chris, Peter, Simon, Cathy, Chuck, MichaelS, Andrei, Steve, Scott, Debbie, Lynne, AndyR
Gotomeeting address: https://www4.gotomeeting.com/join/821177359
1. New metrics in MAF developed by the community (Peter) Peter's slides: Friday_sims.pdf
Lensed quasar time delay metric developed by Phil Marshall and strong lensing. Documentation is in the code and the plan is to use Sphinix. There will be a need to generate higher level documentation. Simulations group has
generated new metrics for the histogram of gaps between observations and run MAF on Stripe 82 to should its general capabilities.
Github repo is setup and people are beginning to use it (still small numbers). The current mailer is through NOAO and a question arose about who should host these mailers (Chuck mentioned that this is a general question for the project and some changes are being made). We will announce
MAF mailer and community repo on the project and science list (once who hosts it has been settled) as not everyone knew about its existence.
ACTION - ajc will follow up with Steve, Iain and Victor about community mailers and who runs them.
2. Andrei's slides on sensor effects NomerotskiImSim20140905.pdf
Tree rings and brighter fatter are the current areas of work. For tree rings he doesnt see Dave Monet's problems with astrometry but there are no optics and no atmosphere (and maybe no device height variation) in Andrei's simulations. Ellipticities and PSF sizes variation are induced by the tree rings. We expect to be able to measure the patterns in the deliver sensors to define the phosim models on a sensor (or wafer) basis. Edge roll off also gives astrometric shifts which is color dependent
AndyR - Tree rings are could depend on voltage
Chris - brighter-fatter PSF varies by 2-5% across the dynamic range of the well. It is not clear if the current phosim algorithm for brighter-fatter is correct as it gives strong correlations in the noise.
ACTION - we need a timeline to understand who are the customers for these effects. DM is thinking about this later but will want to work with ensuring the algorithm is appropriate
2. Updates on development planning for simulations

Opsim: Francisco is moving into the OCS development and it is not clear how his time will be allocated.

MAF: need to define how we host the published opsim runs and run and host their associated metric analysis?
ACTION - Cathy will find out if we there machines can host the runs and visualizations
Catalogs: No blockers.
ACTION - Simon will respond to Josh about galaxy sizes.
Phosim: No report

3. Sky brightness variations comparing predictions with data - what is the rms on sky brightness as a function of moon illumination
- We will start with the diodes data and look at the time variation in the backgrounds (Peter). Chuck will send the links