

# 5th November 2014

Meeting notes for Sims telecon

1-866-330-1200  
5182287#

Attending:

ajc, scott, zeljko, cathy, michael, darko, simon, peter, chris, brittany, lynne

Peter Yoachim, Cathy Petry, Chris Walter, Chuck Claver, Scott Daniel, Simon Krughoff, Jim Chiang, Kem Cook, Monet, Darko, Veljko, George

- Introductions to Michael Reuter (the new simulations hire)
  - heavy ion physics - 15+ yrs of C++, Python, software quality zealot, github fanboy, amateur astronomer
- Sky model investigations - Peter
  - <https://confluence.lsstcorp.org/display/SIM/Sky+Brightness+Observations>
  - ESO no twilight in model but can output the sky spectrum
  - no access to the code
- Next steps
  - predict/measure the cloud free sky background in all bands (possibly in terms of an SED) for the zenith as a fn of moon phase and angle and measure the dispersion in this value.
  - predict/measure the cloud free sky background in all bands (possibly in terms of an SED) for the zenith as a fn of moon phase and angle through twilight and measure the dispersion in this value.
  - determine if we can correct for the stellar contamination so that we will have an empirical measure of the sky (including contributions from the cloud scattering the moon light)
  - predict/measure the cloud free sky background in all bands (possibly in terms of an SED) for the full sky (not just zenith) through twilight (including moon phase and position)
  - Need to decide if this ESO model is useful for anything if we cant get the code. I was hoping we could use it to model the data in the non diode/image bands in order to extract an SED for the sky rather than just in band measurements. We will need to calibrate Stubb's images based on the photodiodes and we should look at any color terms for the rgb images (what has Harvard group done for this). One thing that might be useful in the end - can we extract sky spectra from the ESO model (maybe for the individual sky components) that can be used as templates to fit all of the passbands (by normalizing to the diodes and sky images)?
- UW meeting
  - Cathy - Monday/Sunday - Thursday noon
  - Kem - Monday - Thursday noon
  - Michael - Monday (11am) - Friday
  - ajc - Sunday - Friday