

The following is based on a 2/21/06 telecon attended by the Chairs of the four NGAO Science Case Subcommittees (Liu, Marchi, Max, Wizinowich) + Neyman.

Next telecon: Tuesday, Mar. 7 at 2 pm HST / 4 pm PST. Please use the same telecon number.

Summary:

- Discussed the 120 nm on-axis psfs (bright on-axis tip/tilt star) that Neyman posted at <ftp://ftp.keck.hawaii.edu/outgoing/kpao/KPAO120/>.
 - Action: Chris to include details of the simulation and Strehls in the readme file.
 - Note that Gavel is also planning to generate similar PSFs with his code as a sanity check.
- Discussed the next PSF priorities and came up with the following tasks in order of priority:
 - 1. Generate a 10 sec 120 nm PSF. This is intended to be a sanity check on the stability of the PSF. This can be produced from ten 1 second integrations, and the one second psfs could be compared.
 - 2. Generate an on-axis psf with a typical set of off-axis tip/tilt stars.
 - 3. Generate on-axis psfs (bright on-axis tip/tilt star) under modestly different seeing conditions (vary r0) to understand the time variability to be expected in long exposures. Solar system group had been thinking 10 sets of 2-5 sec exposures at V to K-bands. Chris to discuss what r0 variability is reasonable to expect with Brent.
 - 4. Generate an on-axis psf for the Galactic Center scenario (specific set of tip/tilt stars and zenith angle).
 - Discussed off-axis psfs, but this is currently lower priority than the above.
- Discussed a NGAO meeting on March 30 & 31 at the CfAO Retreat.
 - We decided to proceed with planning for this retreat. The proposed emphasis should be on the technical issues for the benefit of the science teams. Peter to generate a draft agenda for review by this group.
 - Unclear how ready the science teams will be for this retreat. Another opportunity might be in conjunction with the April 17 SSC meeting at Caltech.