

ARCTIC Telecon

Attending: Alaina, Bill, Joe, Conor, Tyler, Russet, Suzanne, Mark

Agenda:

1. STA/CCD Update
 2. Leach Update
 3. Optics Update
 4. Other
- 1. STA/CCD
 - Joe spoke with STA, and may have a plan for getting a science chip. We will exchange the engineering chip for a class C science chip. They will fabricate a new 30 micron chip for us, to be delivered around January 1st.
 - May only need software tuning, no hardware
 - They have no class A chips left.
 - This may be our only choice. The class C seems to fit our specs but we aren't certain.
 - The Goddard chip QE did not fit our needs. We will keep that as a backup option.
 - We are getting a test image to see where 15 bad columns are in one quadrant.
 - 2. Leach Update
 - The engineering chip is wired, cooled, and taking images. Ran into one snag with single quadrant readouts. But two adjacent quadrants are coupled. So we can't do that, but we can readout two quadrants. This is a feature of the CCD. The wiring that STA showed Leach showed that it was possible, but the architecture of the CCD does not support it. Leach spoke to STA about it. STA may have misunderstood our request.
 - Is this worth throwing away half the chip for guiding? IT would only require software changes. So we could decide a bit later. We are inclined to not implement it right now.

Monday, October 12, 2014

- Current plan -- Joe and Bill will meet at Leach on Monday for CCD integration. Be trained on how to tune it. Will be there about 3 days. Joe will drive it to Seattle Wednesday or Thursday. ICC integrated at the same time. Bill can bring it back with him. We're making sure the software pre-requirements are in place.
 - Conor recommends Anaconda for software.
- 3. Optics
- Joe is discussing final details with Cosmo. Joe has sent some revised drawings, changed tolerances to what Cosmo recommended. So we hope the quote will not go up a huge amount. Mostly we want to know why, if it does go up. Joe wants to be absolutely certain it is correct, there will be a month or two of discussions. Joe has gotten lots of info from John Wilson and Robert Barkhouser.
 - We know the quote will go up because we went with evaporative coatings. Cosmo will deal with them. Is their chamber big enough to do all the pieces at once? Or need to do multiple runs?
- Next meeting -- two weeks unless there is news to share.