

## ARCTIC Phone con

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Attending: Joe, Tyler, Bill, Alaina, Russet, Russell, Conor, Alysha, Suzanne, John Wilson

### Agenda:

1. Dewar integration update
  2. CCD Update -- latest from STA, and curve update
  3. Optics quotes -- Questions on Nu Tek? References for Cosmo? Comparisons
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- 1. Dewar integration -- Joe
    - Dewar has been delivered, and the engineering chip has been installed. Operating temp is 162, which is expected.
    - Identified some added levels of security.
    - Leach is making some circuit boards for us because of our readout modes.
    - Wiring has been started.
    - Leach wants the computers, no monitors needed. It should be shipped this week.
    - Joe will be there to help with science chip integration.
    - The chip should be there in the next week.
    - Bill would like to go when tuning the chip, but needs to work out details.
    - Joe may need two trips, to also be there for final testing.
    - If Bill can't go for final integration, then he will plan to go straight to Seattle.
  - 2. STA update
    - Joe hopes for more info this week, there is nothing new to report.
  - 3. Optics quotes
    - Mark wants more clarification, are these quotes or estimates? Joe says they are quotes. Nu Tek may have to modify L1 and L2 to fit the requirements of L3 (which is not changeable.) Cosmo says theirs is a solid number. John Wilson suggested a reference to contact, and Bill has not gotten a response yet. Joe asked Cosmo why they have no astronomy references. They said they've had trouble breaking

Monday, October 6, 2014

into the industry, which is understandable, given how important references are. Nu Tek is a safe bet, HJ has some questions for us. Cosmo is a good option, as long as references work out.

- John -- Why couldn't L3 dimensions be adjusted as well? It is inside the dewar,so can't be changed.
- Cosmo can't measure curvature to the accuracy we need? We can have them tested elsewhere, but it may not be a problem.
- How will each company verify their delivered product? This hasn't been asked. Nu Tek usually tests it themselves. It's worth asking.
- John says there is a way to make them less expensive. You can change the radii of curvature to match the nearest test plate they have.
- Is HJ providing coating? Joe will ask. They are the most unknown of the three, the least communicative.
- We are not bound to the lowest bid. We will go with what is best for the instrument as long as it is not outrageous.
- Bill thinks we still have some time to get more info before we decide. We will do more followup.

Next meeting -- Next Monday, October 13 (this was later canceled)