

ARCTIC Notes

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

- Filter quotes -- No news. Will be checking in with them.
- ICC Update
 - Fritz is confident the problems are not with the kernel software, drivers, or Leach software. He thinks it is a hardware problem, and is working with the manufacturer. We hope to hear back soon. Perhaps it is the motherboard. The server splits up tasks to be done more efficiently, maybe the software can't follow it.
 - We chose this server because we have a history of working with them, it has a high level of redundancy built in, and a regular desktop would take up more space.
 - Things work well on Joe's desktop, which has similar specs to the server. Joe would like to bring a computer with the instrument to APO. Bill will explore more options, and have a plan in place by Thursday. If all else fails, Joe will bring his desktop with the instrument.
- Software plan
 - Conor is in charge, and will ask Russell if he runs into problems.
 - Joe has some boards picked out for interfaces to the shutter and filter wheel. Once they are ordered, Conor will start coding.
 - Conor should be able to test and integrate with the ICC being at APO. This will work until we start heavy testing.
 - Plan-- Write filter and shutter pieces. When it works, bring it all together. Conor may come down. Should have no problems integrating.
- Commissioning draft
 - We have sent out an email with the draft list, open to any suggestions and additions.
 - After ARCTIC circulation, will put it to the users.
 - Preliminary suggestions to compare with Agile.
 - Joanne Hughes would like to be involved. Perhaps for data taking during the summer?

Monday, February 2, 2015

- Conor may have a TUI interface ready, which will be easier for the users to help.
- Possible commissioning dates:
 - Engineering scheduled May 4-5th for the full moon.
 - June 15th, and push shutdown back one day.
 - Might be able to take some DD time in 1 to 2 hour blocks.
- Return to APO
 - When UPS 5 crashed, plans for the intermediate level got complicated. We need to consider if we can run off of the current setup or order a new UPS. We do not want the cryotiger running on utility. Cryotiger can't be on the obs level, so ground level looks promising. Bill will talk to Ed about finding a place and routing power.
 - Will arrive Sunday morning. Alysha will help setup in the lab. After a few days, will move in the dome.
- Data and documentation
 - Tyler is working on plots and algorithms for data taking and analysis. He will publish a report on how to take data, what it should look like, and how to reduce it, based on the lab light source.
 - One quadrant has a different bias level. We hope to figure that out before we switch computers.
 - Will play with the detector on different levels, then try again and compare with the new detector when it comes.
 - Once report is done, it will be added to the documentation.
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