

Minutes of L-N/LBT I2 Follow-up (and Planning Future Visits) Meeting

Nov 23, 2015; 15:00 MST

Attendees: Thomas Bertram, Ralph Hofferbert, Dave Ashby, Al Conrad, Christian Veillet
(last updated 24nov2015)

1. I2 (Nov 2015)

I2 was successful and completed two days ahead of schedule. The summit crew worked well with the LN team to accomplish many challenging tasks. LN now resides in the clean room:

<http://wiki.lbto.org/pub/Instrumentation/LnLabAivPage/lnInCr20nov2015.jpg>

2. I3 (Jan 2016)

a. Who/when/where

A team of approximately 4, approximately 3 from INAF-P and Frank Kittmann from MPIA, are expected. All members will work from the summit and therefore request bedrooms. The team from Padua may come in two separate shifts. I3 is still scheduled to take place on the dates set at PAE: 11-to-28 Jan 2016.

b. Co-existence with DX AdSec and LUCI-1 lab work

After discussion, we revised the 'cartoon' schedule for I3-to-Ill that was distributed at the meeting:

- *Before:* <http://wiki.lbto.org/pub/Instrumentation/LnLabAivPage/lnTimeline23nov2015.png>
- *After:* <http://wiki.lbto.org/pub/Instrumentation/LnLabAivPage/lnTimeline24nov2015.png>

For the I3 co-existence with DX AdSec work, there was no change, but more detailed planning was recommended:

- *We need a floor plan, that shows LN as it is now, together with the optical bench and computer table that will be set up for I3 (as it was for Pathfinder T1). The PF/T1 set-up is shown in this figure:*
<http://wiki.lbto.org/pub/Instrumentation/LnLabAivPage/fisbaFive.JPG>
- *We need to work out how to coordinate the period when the double doors need to be open (e.g., swapping GWS sensors).*
- *We need to be sure the I3 team understands the cleanliness requirements (which are stricter when co-existing with AdSec work).*

For the I4 co-existence with the LUCI-1 camera wheel servicing, the cartoon was modified to show that I4 should not start until LUCI-1 is re-assembled and either cooling or cold. Again, more detailed planning was recommended:

- *We need a floor plan showing the LUCI cold*

configuration (similar to the one sent 06-nov-2015), but that also shows LN with its scaffolding and the cryostat rails, etc.

- *Will it be possible to drive the cryostat handling cart in with the LUCI-1 cryo lines in place (either under the lines, or by routing the lines along the north wall)?*

c. Telecon 03-dec-2015 8:30 MST

The above discussion will continue at the LBT/MPIA/INAF-P telecon scheduled for the first Thursday after the Thanksgiving break.

3. I4-to-I11 (Feb-Jul 2016)

After some discussion, we ended up with the suggestion that I11 move to September, but that the others (I3-to-I10) remain as requested. Christian will produce the first draft of the observing schedule for 2016A in December. That draft will factor the LN I3-to-I11 requests in with the other requests and constraints (e.g., ARGOS commissioning, PEPSI polarimeter, bright time, etc).

4. Commissioning Plan (Aug 2016 – X)

With I2 successfully completed, we agreed that it would be a good idea to begin discussions between LBT and the LN team of the commissioning plans. In particular, LBTO strongly encourages that sufficient day testing precedes time on sky. Possible strategies for calibrating the GWS AO system were touched on (e.g., ARGOS light source, Retro-reflector + the PF pennina method, or star light). Further discussion at a dedicated meeting is needed.

5. Other business

Ralph requested that LBT make sure the remaining container transports take place. G, H, & I are still at base camp, and there are empty containers on the summit that could go down.

Background material appears on the twiki:

<http://wiki.lbto.org/bin/view/Instrumentation/LnLabAivPage>