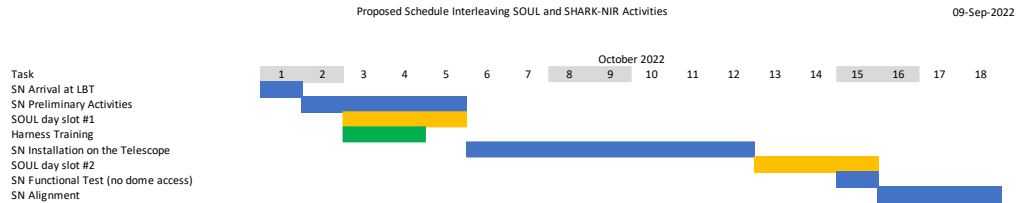


Minutes of SHARK-NIR (SN) Pre-Com-2 Planning Meeting

September 8, 2022

Attendees: Al, Brandon, Carlos, Christian, David, Doug, Elena, Elliot, Gabriele, Glenn, Gregor, Jacopo, James, Joe, John, Juan Carlos, Kalyan, Luca, Manny, Maria, Mark, Matthieu, Robert, Simone, Steve



1. Who, Where, When

- A conflict with plans for SOUL-LBTI-DX reconstructor calibrations was identified.
- After the meeting a new schedule of activities was devised as shown above.¹
- Team size = 4-5 people²
- Team members are reminded to register using the on-line form.

2. LBT Readiness

- Lock-out/E-stop
 - On track.
- Soft Cover
 - A smaller fiberglass cover that avoids interference with the deployable arm is being fabricating by LBT.
 - The existing cover can be used for the installation phase if necessary.
 - The new cover is needed for the alignment phase because the deployable arm will be deployed during that phase.³
- Air Lines
 - Luca, James, and Al met on 06-Sep and worked out details.
 - The LBT/SN interface occurs at the valve.
 - The new schematic is [here](#).
- Glycol
 - The new schematic is [here](#).
- LN2
 - The instrument was cooled recently and is being kept cold with daily fills.
 - Based on that experience, the method for LN2 fills on the telescope will be similar (i.e., using a small (~10 liter), easily portable, and low pressure (~5 PSI)) dewar.

¹ Pending formal approval by LBT at a meeting next week.

² Table of names and exact dates will be provided to LBT.

³ If the new cover is not ready in time for alignment, as a workaround, the old cover could possibly be removed and then replaced afterward. The level of scattered light is probably not a problem.

- TCS Simulator
 - The TCS simulator has been rebuilt to be in sync with the real TCS and therefore has the SN identifier in place.
 - IT will set up a VM to make it available to the SN team.
 - ARGOS calibration
 - The plan to incorporate a brighter source to provide light for pupil imaging has been replaced with a new plan to use dome lights.
 - This is the same method as is used for LUCI.
 - Adaptive Optics
 - SN wants best possible Strehl but does not require the current limitation on frame rate ($< 1\text{KHz}$) to be lifted to begin commissioning.
 - Formal acceptance of SOUL-LUCI-SX is nearing completion and is not seen as a showstopper for SN.
3. LBT support
- During the installation and alignment phases (tentatively 6-12 and 16-18 October, respectively) the platform will have to be installed and removed daily.⁴
 - The new schedule includes crane work on the weekend of 8-9 October which may require extra staff on the mountain.
 - Support to help operate LBTI/LMIRCam will be needed at the beginning of the alignment phase.
 - No AO support is anticipated for Pre-Com-2.
4. Date and time of next meeting: Thursday, September 22nd, 0830 MST / 1730 CEST.

⁴ The time required to install and remove = 40 and 30 minutes, respectively. This is expected to take place at approximately 8:00 AM and 4:00 PM respectively (as per Maria conversation with Pat).