

Minutes of SHARK-NIR ComRun3 Pre-run Meeting

April 20, 2023

Attendees: Jacopo, Luca, Alessandro L., Daniele, Davide G., Davide R., Juan Carlos, Elena, Fulvio, Dino, Simone, Jenny, John, Pat, Al, Brandon, Dave, Paul, Matthieu, Robert, Xianyu

1. ComRun3

- a. Dates = May 2-5
- b. Who, When, Where
 - i. Jacopo, Simone, Alessandro, Davide R. Alexis, Daniele V., Gabriele¹
 - ii. Simone and Alexis will arrive on the summit Monday, May 1st
 - iii. The other six will arrive the next day, Tuesday, May 2nd
- c. Only 2 of the six appear as registered (Gabriele and Alexis), even though all 8 registered. LBT is looking into where the problem occurred, but the other six are requested to re-register in the meantime.
- d. Sharing with Forerunner and LBTI will take place.
- e. LBTI time is only to exercise presets according to this [flowchart](#) (not science).

2. LBT Readiness

- a. AO support (two persons per night) is arranged for all 4 nights:
 - i. Jenny all four
 - ii. Greg last 3 + one TBD for the first night
- b. Xianyu and Guido will be present for the coronagraph alignment tasks that require Fourier mode. Exact scheduling is TBD.
- c. The OffsetZ command is implemented and tested and can be used during the run for calibrating NCPA via PD.
- d. Two tests are planned for the morning of April 26th:
 - i. Changes to the LBTI-replica interface (hardcoded references to LBTI replaced with references to an entry in a configuration file).
 - ii. Testing shared LBTI presets (see 1-e above).
- e. The question of parallactic angle accuracy (as obtained from telemetry via DMS²) has been resolved.
- f. Access to telemetry via DMS for Forerunner shared time is possible. Al will request details from the SV team.
- g. The issue of the PSF not moving back to the same position (after the AO loop opens and is reclosed) is not yet resolved. It is likely different than the repoint issue covered by IT 8612.

3. User interface software discussion

- a. The discussion was prompted by the three questions in this [email](#).
- b. The SHARK-NIR team are using both the LBTI-replica and their own user interface, for different purposes, as they learn the best approach from actual experience on the telescope.

¹ Plus one more. Name is TBD.

² Data Mining System

- c. The questions of *commonality with other instruments* and *scripting versus manual operation* were also discussed.
 - d. The SHARK-NIR team will take the lead on documenting how SHARK-NIR will be best operated (after it has transitioned from PI status to facility status), taking into consideration these two questions.
4. Date and time of next meeting: Wednesday May 17, 9:00 MST