

Minutes of SN/SV/LBTI Planning Meeting

December 19th, 2023

Attendees: Jenny, Joe, Jacopo, Matthieu, Sam, Fernando, Simone A., Simone D., John, Alessandro C., Alessandro L., Brandon, Glenn, Paolo, Al, Daniele, Dino, Domenico, Doug, Elena, Jared, Maria, Steve, Tania

1. LBTI: 25-Dec to 28-Dec:
 - a. A SV dichroic test will be carried out during twilight on one of the four nights if possible.
 - b. There will be no sharing with SN or SV on any of the four nights.
 - c. All operators will work from the remote room in Tucson.
2. SN: 29-Dec to Jan-1 and 3-Jan to 4-Jan:
 - a. Three team members will be at the summit: Simone, Tania, and Paolo.
 - b. LBTI will observe simultaneously on DX (imaging and ALES with LMIRCam; no NOMIC).
 - c. AO support for both sides has been arranged: a combination of AO scientists, service observers, and Jared from the LBTI team.
 - d. Instrument-Telescope interaction:
 - i. Instrument-Telescope interaction will for the most part be the same as on previous SN runs. In particular:
 1. The telescope will be authorized as SN on SX and as LBTI on DX by the OSA.
 2. Presets will be issued by LBT support personnel.
 3. SN and LBTI offsets will be issued by the instrument teams using the SN telescope interface (sasha) and the LBTI interface, respectively.
 - ii. In the past all offsets have been issued via SOUL (i.e., moving the bay-side stages).
 - iii. In the future, LBT recommends continuing with that method for small offsets, but using Az-El telescope commands for large offsets.
 - iv. Sasha alternatives:
 1. In cases when a needed telescope command is not available in sasha, the "lbt tools" command line interface is available (and has been used in these cases in previous runs).
 2. In addition, the newly available web-iif tool is available for telescope commands.
 3. Using the web-iif tool is encouraged (it has been built on the web components framework that will be used for future development at LBT).
 4. The web-iif tool is intended for use by LBT as an engineering tool and for new instruments during commissioning (i.e., before they have completed development of an OT-style sequencer).
 5. Any of these methods, web-iif, sasha, command line, are compatible with one another and can be used interchangeably.

3. SV during INAF: 2-Jan and 5-Jan to 11-Jan:
 - a. SV will be scheduled disruptively during 2 or 3 first halves (12 hours total).
 - b. SN will participate on SX in parasitic mode. (SN on zoom2 and SV on zoom-polycom.)
 - c. Three persons will be in Tucson and at LBT: Fernando, Simone, and Massimiliano.
 - d. Their schedule is as follows:
 - i. Jan 5: The team will arrive in Tucson around noon.
 - ii. Jan 6-8: The team will go up to the telescope on the morning of the 6th, stay there for 3 nights (6,7,8), then go back to Tucson on the morning of the 9th.
 - iii. On January 7, the platform needs to be installed for work on SV (filter installation).
 - iv. One day during Jan 8-12 is need for calibrations with the ARGOS source. AO support required.
 - v. Jan 9-12: The team will be in Tucson.
 - vi. Jan 13: The team will leave for Italy.
 - e. While in Tucson, Massimiliano will consult with LBT software staff about future SV software development.
 - f. During the Jan 9-12 days in Tucson the SV team will train LBT staff on the operation of SV.
 - g. Instrument-Telescope interaction:
 - i. For past runs, SV has authorized as LBTI so that the LBTI interface could be used for telescope commands.
 - ii. For this run SV will authorize as SV and use the web-iif tool for issuing telescope commands. Config files need to be established beforehand.
 - iii. If problems are encountered, the lbt tools command line interface is available as a fallback.