

2nd TETIS Workshop



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Commissioning of SHINS, the SHARK-NIR INstrument control Software

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SHARK-NIR, the new infrared, coronagraphy-driven instrument for LBT, has been installed at its bent gregorian left focus and is facing the commissioning phase.

We present the (ongoing) commissioning activities of SHINS, the SHARK-NIR INstrument control Software.

The development of the control software is taking advantage from these hands-on sessions to reach a stable, advanced phase.

We present the web-based Observation Blocks XML editor based on REST APIs, a simplified version of ESO P2, that we use to create parameters set not only for SHARK observation Templates, but also to recall the large number of AIT tests (flexures, coronagraphic mask alignment, scientific camera performances...).

Taking advantage of the web approach, we decided to expose APIs also for individual device movement and monitoring, as well as for general status. These APIs are then used in the web-based

instrument control and synoptic panel, as well as in an integrated RTC panel to show and control the deformable mirror, the camera, and the related to the closed-loop parameters.

We then summarize the lesson learned at this stage, the critical issues, and the general progress status of the software.

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