

SOXS: the new transient tracker for the ESO NTT

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SOXS (Son Of X-Shooter) is the new spectroscopic facility for the ESO 3.58m New Technology Telescope (NTT) at the La Silla Observatory, which will become one of the premier transient follow-up instruments in the Southern hemisphere.

It will be used for the classification and characterization of all kind of astrophysical transients and variable sources with a flexible schedule managed by the consortium.

SOXS combines an average spectral resolution of ~ 4500 for a $1''$ slit with a wide spectral range (350-2000 nm) obtained observing simultaneously the same target with two separate spectrographs, one operating in the UV-VIS (350-850 nm) and the other in the NIR (800-2000 nm) wavelength regimes.

The Assembly Integration and Verification (AIV) of SOXS followed a modular approach, as the consortium is geographically spread. All the main subsystems have been internally aligned and tested in the respective institutes and are now at INAF-Astronomical Observatory of Padova, where the integration with the instrument control electronics/software and the system-level tests and verifications are ongoing.

Here, I'll present the updated status of the project in preparation of the Preliminary Acceptance in Europe (PAE) and the shipment of the instrument to Chile.

sessioni congresso

Tecnologie avanzate e strumentazione

Primary authors: COLAPIETRO, Mirko (Istituto Nazionale di Astrofisica (INAF)); SOXS, Team

Presenter: COLAPIETRO, Mirko (Istituto Nazionale di Astrofisica (INAF))

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