Contribution ID: **6**   Type: **Standard Talk**

MicadoWISE: integrating the ScopeSIM simulator with processing and archive prototypes for MICADO

Monday 14 June 2021 13:45 (25 minutes)

New instruments, such as MICADO, the Multi-AO Imaging Camera for Deep Observations on the ELT, the Extremely Large Telescope, require the instrument hardware and the data processing software to be designed in tandem to maximize the desired performance.

MicadoWISE integrates the ScopeSIM simulator with the data processing and archive prototypes for MICADO to efficiently validate that our science goals can be met with the design of both the hardware and the software.

Properties of the detector (and instrument, telescope, observatory, or atmosphere) can be varied to test the limits of the data processing software; thereby giving an objective measure of whether the hardware and software design is satisfactory.

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Session Classification: Optical/IR Instrument simulators 1

Track Classification: Talks