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## NIAOT update on Antarctic telescope projects

*Tuesday, 16 September 2025 11:40 (20 minutes)*

This talk will introduce the Antarctic Telescope projects that NIAOT has updated and upgraded since 2019, which mainly include Antarctic Survey Telescopes, Kunlun Infrared telescope, Zhongshan Multi-band survey telescopes, etc. AST3-2 has restarted observation since January 2024 which was unmaintained for nearly five years from 2019 due to Covid-19 and some other reasons. AST3-3, which is designed for near-infrared astronomy in Antarctica, is expected to start domestic commissioning at K-band in the northern winter in 2025. Kunlun Near-Infrared telescope with aperture of 15cm and band of 1.1-1.4 $\mu$ m was installed in January 2024. It has measured near-infrared sky light background brightness of the entire sky at Dome A. Besides the telescopes at Kunlun station mentioned above, a number of some telescopes has been deployed at Chinese Zhongshan station in Antarctica, which will be provided some details in this talk.

**Primary author:** LI, Xiaoyan

**Presenter:** LI, Xiaoyan

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