

## Wide Field Survey Telescope (WFST): Overview and Recent Progress

*Monday 7 October 2024 15:40 (30 minutes)*

Wide Field Survey Telescope (WFST) is the largest time-domain survey facility in the northern hemisphere. The telescope is a dedicated photometric surveying facility being built jointly by the University of Science and Technology of China (USTC) and the Purple Mountain Observatory (PMO). It is equipped with a 2.5-meter diameter primary mirror, an active optics system, and a mosaic CCD camera with 0.73 gigapixels on the primary focal plane for high-quality image capture over an FOV of 6.5-square-degree.

WFST is located on the Tibetan Plateau, near Lenghu Town in Qinghai Province, at an altitude of 4200 metres. The WFST project began in 2018 and has already been completed and started astronomical observations in September 2023. In September 2024, after a year of commissioning and pilot survey, WFST will begin formal time domain survey observations. In this report, I will present the performance and scientific progress of WFST.

**Author:** Prof. KONG, Xu (University of Science and Technology of China)

**Presenter:** Prof. KONG, Xu (University of Science and Technology of China)

**Session Classification:** Surveys and missions