## Preliminary results of satellite laser ranging based on a receiver of updated 1.56m telescope and a nearby 60cm SLR system as a transmitter (POSTER)

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Detecting ability of a laser ranging system is proportional to area of the receiving telescope, so it is helpful to use a telescope with big aperture for receiving weak signal. Using 1.56m telescope nearby station 7821 of 60cm SLR system at SHAO as a receiver of SLR is a good chance to greatly improve the detecting ability to space targets. This paper introduces the updated of 1.56m telescope, including receiver terminal and servo controlling system, and presents the experiment to satellites with retro-reflectors by using 1.56m telescope as receiver and 60cm SLR as a transmitter. The experiment is shown the updated for the big telescope is successful for future space debris laser ranging, lunar laser ranging.