

**DAYLIGHT TRACKING GNSS IN THE CHANGCHUN SLR STATION.** HAN Xingwei<sup>1</sup>. FAN Cunbo<sup>1</sup>. DONG Xue<sup>1</sup>. SONG Qingli<sup>1</sup>. ZHANG Haitao<sup>1</sup>. ZHANG Ziang<sup>1</sup>. LIU Chengzhi<sup>1</sup>, <sup>1</sup>Changchun Observatory, National Astronomical Observatories, Chinese Academy of Sciences, Changchun, 130117; hanxw@cho.ac.cn.

**Abstract:** The Changchun SLR station has gained experience of tracking high orbiting satellites, and has upgraded to track GNSS satellites(GEO\IGSO\MEO) in daytime. The system uses an iris(0.23mm), a narrowband filter (~0.15nm@532nm) and a daytime camera system(PCO-1600) to capture and adjust the laser beam in daytime. With the dome open, the heating of sunlight affects telescope pointing and sensor temperature, introducing error. Experiments were taken on the error. The presentation will introduce the technical developments and the observation obtained.