



## **Chinese SLR network and its contributions to the sub-network of GGOS in China**

Zhongping Zhang (1), Haifeng Zhang (), Wendong Meng (), Pu Li (), Si Qin (), and Zhibo Wu ()

(1) China (zzp@shao.ac.cn), (2) Shanghai Astronomical Observation, Chinese Academy of Sciences

Since 2011, SLR stations in the Chinese network have been upgraded to kHz laser system and daytime tracking capability under the support of the state key project of Crustal Movement Observation Network of China and the measuring performances of the amount and precision of laser data have been improved overall. The 10kHz repetition rate SLR measuring techniques are also being tested in china to make the ranging precision up to one millimeter to satisfy the demand of GGOS. The development of a compact SLR system (receiving aperture 35cm) with the capability of ranging to LAGEOS satellites in the whole days are also being underway to increase the number of SLR sites of Chinese SLR network with low cost and make Chinese SLR network more robust and co-location with VLBI and GNSS sites to contribute to construct the sub-network of GGOS in China.