

Development of SLR facilities of VNIIFTRI and its East-Siberian Branch

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Abstract

Federal State Unitary Enterprise (FSUE) "National Research Institute for Physical-Technical and Radio Engineering Measurements" (VNIIFTRI) is subordinated to Federal Agency on technical regulation and metrology of Russia. It has the status of the State scientific metrological center and is one of the main centers of the State standards of Russia. The VNIIFTRI plays role of the Main Metrological Center (MMC) of State service of time, frequency and EOP evaluation (SSTF).

Currently, satellite laser ranging (SLR) facilities of the FSUE "VNIIFTRI" include: measuring SLR stations located in the in Mendeleevo (VNIIFTRI) and Irkutsk city (East-Siberian Branch of VNIIFTRI), each of which is equipped with measuring SLR instruments of the old and new generations ("Sazhen-TM-Bis" and "Tochka"), as well as software and hardware for secondary processing and analysis of SLR measurement data . They operate both in a daily SLR service and in the interests of individual measurement campaigns.

The current status as well as plans to improve these SLR facilities are under consideration.