

ASSOCIATE ANALYSIS CENTER OF VNIIFTRI

Tsyba E.N.

THE HEAD METROLOGY CENTRE OF TIME AND FREQUENCY STATE SERVICE FEDERAL STATE

UNITARY ENTERPRISE «VNIIFTRI», 141570, Mendeleevo, Moscow region, Russia

tel. +7-903-194-7575; tsyba_e_n@mail.ru

Federal State Unitary Enterprise «National Research Institute for Physical-Technical and Radio Engineering Measurements» (VNIIFTRI) is one of the leading national institutes of metrology in Russia. One of the main divisions of the Institute is the Main Metrology centre of state service of time and frequency.

The Main Metrology centre of state service of time and frequency was founded based on the Head office of the unified time service and has been actively defining Earth rotation parameters based on co-processing of the entire measurement data since 1955.

Regular computing of Earth rotation parameters (ERP) according to the measurements data using satellite laser rangars (SLR) started in the Main Metrology centre of time and frequency state service in 1995. In 2010 the processing of SLR measurements had to be interrupted due to technical reasons. Nowadays the processing of laser measurements is planned to be resumed.

The present work includes the updated information on the structure and activities of Associate Analysis Center of VNIIFTRI (former Institute of Metrology for Time and Space (IMVP)) and the first results achieved in handling of SLR measurements are presented.