# Review of K. Bakharev's Graduate Thesis "Developing and creating database of DORIS system satellites observation for geodynamic problem solution"

Satellite systems are widely used for scientific purposes and, particularly, for Earth's figure estimation. Similar in case of structure, GLONASS and GPS systems are both applied practically at solving tasks of accurate geopositioning – in Russia as well. There are other satellite systems with different structure as well, for example DORIS system. Therewith, at present for DORIS data processing special paid code is required. This is why in Institute of Applied Astronomy (IAA RAN) the problem was set: to realize the institite own programming code with the next needs: pickup of data burst from satellite system; compare of received data with theoretically predicated values; and then more precise determine of theoretical model parameters. Baharev's work is dedicated to creation of the program code for receiving, updating, processing and storing the satellite data. The workable programming complex architecture explanation and detailed produced module description are presented here. In enclosure the module programming code in C++ could be found.

The author made sense of DORIS system data structure and of problems these data are used for solving. The module for database of ephemerids and observations is written, the service of automatic data update is created, the method for data check is suggested.

I estimate the K. Bakharev's Graduate Thesis "Developing and creating database of DORIS system satellites observation for geodynamic problem solution" as "good".

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