Automated information system for instrument data processing of regional seismic observation network FEB RAS

S.P. Korolev[1], A.A. Sorokin[1], A.L. Verkhoturov[1], A.V. Konovalov[2], N.V. Shestakov[3]

[1] *Computer Center FEB RAS, Khabarovsk, Russia*
[2] *Institute of Marine Geology and Geophysics FEB RAS, Uzhno-Sakhalinsk, Russia*
[3] *Institute of Applied Mathematics FEB RAS, Vladivostok, Russia*

Abstract. The article considers an architecture and program implementation of an automated information system "Signal-S". Based on the example of FEB RAS observation network, it provides a comprehensive solution for seismological networks organization and instrumental data preprocessing. The developed information system is considered as a base platform for multipurpose FEB RAS observation science data integration, for research and natural hazards monitoring on Russia Far East.

Keywords: automated information system, MiniSEED, data archive, data base, REFTEK.