

Nuclear Test Explosions Recorded by Seismic Stations of the Slovak Academy of Sciences

Archiving, retrieval and digitization of the historical seismographic data from nuclear test monitoring is an inevitable step before the data can be further investigated. Since the very first nuclear weapon test in 1945, several nuclear explosions took place around the world during the 20th century. It is a naturally arising task to investigate the corresponding seismic recordings obtained by the Slovak National Network of Seismic Stations operated by the Slovak Academy of Sciences. So far, a complex processing of the relevant data has not been performed, unless the standard reporting in the yearly bulletins and reports. In order to accomplish this goal, the historical data from the Slovak National Network of Seismic Stations have been investigated and checked for the presence of data corresponding to nuclear test explosions. The main sources of data have been the bulletins of both the Czechoslovak and Slovak seismographic stations published on the early basis. Besides this, the analog recordings from the Slovak seismic stations have been checked for the presence of data from nuclear explosions. We present the summary of the historical seismic data for the nuclear explosions, recorded by the seismic stations on the territory of Slovakia.

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