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Estimation of source parameters according to microseismic monitoring of the central part of the East-European platform

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Microseismic monitoring of active fault allows one to quickly assess the seismicity of the study area. In platform conditions it requires more time to accumulate of representative data of occurrence of seismic endogenous events. The graphics repeatability, based on data from microseismic monitoring, correlate well with the dependence obtained during long-term regional observations. The focal parameters are assessed for sources of weak seismicity of the central part of East-European platform with the help of small-aperture array. Sensor bandwidth limitations can lead to underestimation of radiated seismic energy due to losses in high-frequency part of signal. Seismometers with enhance amplitude-frequency response in high-frequency part of the spectrum allow avoiding this instrumental problem. This provides records seismic oscillations from events with Mw $\sim$ -2 - 1 and more correct estimation of seismic source parameters. This work was supported by the Russian Foundation for Basic Research (project no. 16-35-00508).