



## **Variations of the microseism spectral ratios for Baikal seismic station network**

E.N. Chernykh and A.A. Dobrynina

Institute of the Earth's Crust, Siberian Branch of Russian Academy Sciences, Irkutsk, Russian Federation  
(dobrynina@crust.irk.ru, +73952426900)

Using a method of microseism spectral ratios amplitude-frequency characteristics (AFC) of media were determinate for 23 seismic station of Baikal regional network. In order to escape the influence of random noise (traffic, earthquakes, weather and others) 1 hour record length was processed. Because of apparatus characteristics (short-period instruments) reliable AFC of medium were obtained for wave range from 0.5 to 10 or 20 Hz. As a result of the present study daily, weekly and seasonal variations of microseism spectral characteristics were determinate. Obtained AFC are divided into three groups: (1) stable AFC independent on season; (2) AFC with daily and/or seasonal variations and (3) unstable AFC.