

TECHNOGENIC DIURNAL PERIODICITY OF SEISMIC EVENTS IN THE NUREK RESERVOIR REGION

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Abstract. An analysis of the seismic event diurnal distributions in the Nurek region, Tajikistan catalog is performed. In comparison to our previous studies, the catalog used is more carefully prepared by the compilers and contains data for substantially longer time intervals. Possible mechanisms of more seismic events in the daytime are studied. We concluded that the events are technogenic, and they are probably blasts. However, the daytime events are more clearly dominate within the time interval after the completion of the Nurek dam construction and filling the reservoir.

Keywords: seismicity, diurnal periodicity, technogenic seismicity, blasts, blasts criteria, Nurek HPP, Tajikistan.