

SPATIAL AND TEMPORAL FEATURES IN SEISMICITY OF THE DUSHANBE-VAKHSH REGION

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Abstract. The features of seismic event distribution in the Dushanbe-Vakhsh region, Tajikistan and their temporal changes are analyzed. Time intervals are revealed when the catalog parameters remained approximately unchanged. These intervals were used to form quasihomogeneous in space and time samplings of seismic events. The sampling can be used to analyze changes in seismic activity. Using these quasihomogeneous samplings can considerably increase reliability in estimations of the regional seismicity parameters.

Keywords: seismicity, earthquake catalog, catalog inhomogeneity, quasihomogeneous sampling, Dushanbe-Vakhsh region, Tajikistan.