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ON THE COMPLETENESS OF THE CONSOLIDATED EARTHQUAKE CATALOGUE FOR TAJIKISTAN

Sh.P. Shoziyoev^{1,2}, F.A Aidarov^{1,2}, V.B. Smirnov^{1,3}

¹ Lomonosov Moscow State University, Moscow, Russia

² Khorog State University, Khorog, Tajikistan

³ Schmidt Institute of Physics of the Earth, Russian Academy of Sciences, Moscow, Russia

Abstract. The consolidated digital catalogue of earthquakes for Tajikistan and adjacent territories was compiled using different published data sources. The regional seismic network consisted of different sets of seismic stations during the decades of observations that resulted in the heterogeneity of completeness and resolution of data in the seismic catalogue. The statistical estimation was carried out for the representative magnitude and variations of the network in time and space. The results obtained can be used in the further analysis of seismicity of Tajikistan.

Keywords: Tajikistan, earthquakes, Consolidated Catalogue of Earthquakes for Tajikistan, representative magnitude.

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