



MACROSEISMIC INFORMATION ON EARTHQUAKES IN EASTERN SIBERIA IN XVIII – FIRST HALF OF XIX CENTURIES

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Macroseismic information based on original sources on the Siberian earthquakes in XVIII – first half of XIX centuries are presented. Different source types are recognized, each characterized by its own advantages and drawbacks. Previously missing earthquakes and false seismic events are found out. Typical errors and wrong interpretations in the basic catalogues used for the hazard assessment in the region are discussed. Most of them follow from non-critical using of secondary compilations. Parametric solutions for certain earthquakes are suggested. When more than one solution equally well fit to known data it is more reasonable to introduce alternative solutions than to make arbitrary choice of one of them following paper (Tatevossian, Mäntyniemi, 2014). When parametric solution can not be achieved within practically useful accuracy, it is better at least to keep information on shaking effect in a given locality.

REFERENCE

Tatevossian R and Mäntyniemi P (2014) “Earthquake scenarios: a practical way to handle alternative solutions to historical earthquakes and to increase the transparency of seismic hazard assessment”, *Nat Hazards*, DOI 10.1007/s11069-013-1026-y

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