

Explosions in the Eastern Siberia (the Former USSR) in 1976-1987

During 1976-1987 in the territory of the Eastern Siberia (the Siberian platform, Chitinskaya area and Yakutia) ten peaceful nuclear explosions (PNE) have been produced. PNE's magnitudes vary within 4.8-5.3. Explosions were registered by regional analog seismic station network located in the Baikal rift system (FDSN code is BY) at the epicentral distances from 246 to 1407 km. The regional travel times curves for the regional seismic phases (Pn, Pg, Sn, Sg and Rg) were constructed using data of arrival time of 9 PNE. Relocation of PNE epicenters was carried out using the HYPOCENTER software. In future, these data maybe used for clarification of deep structure of the region.

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