

The new series of large earthquakes and some seismic gaps along the Kuril trench

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The seismicity and seismic gaps of the first kind were researched along the Kuril arc. The hypocenter parameters used were from Utsu's, Engdahl's, ISS and PDE catalogs. Hypocenters of some large events there were redetermined.

It was well known that the last series of the occurrence of large earthquakes along the south part of the Kuril arc was from 1952 to 1973. The former one is 1893 to 1918. Then, the new one is pointed that the start was from 1994. And it is shown that there are some seismic gaps of the first kind along the Kuril arc.

Additionally, Mogi(1974) presented that the seismic activity along the north edge region of the Pacific plate showed the active and calm periods. The similar pattern was found in this research.