

Seismicity of the Hokuriku Region(3) 1976-2008

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We calculated the b-value of the earthquakes occurred in the Hokuriku region from 1976 to 2008. The data were from Hokuriku Observatory and Abuyama Observatory from Jan. 1976 to Sep. 1997, and from the JMA Ichigenka from Oct. 1997 to Dec. 2008. Total number of the earthquakes used was 48,910. We calculated the b-value only for the region, where the correlation between the 0.2 deg. * 0.2 deg. region with 0.05 deg. departed region, is more than 0.8.

By this method, we got 6 regions to decide b-value. b-value was calculated in each year interval, with though 5-year occurred earthquake.

The b-value is greatly changed with time in 3 regions, namely Fukui Earthquake region, near Oono City in the Fukui prefecture, and the Biwako Kita region near the Fukui and Shiga prefectures.

We will further search these regions by changing the length of rectangle or so.