Sa-P009 Room: Lounge Time: June 25 17:30-19:00

Spatial distribution of b-value in the Tamba Region

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The 3-D distribution of the b-value of the frequency-magnitude relation is analysed in the Tamba Region, during a period from January 1977 to December 1997. M>3.5 events occurred in low b-value regions. This reveals that M>3.5 events control the trend of the 3-D distribution of the b-value. We observed positive correlation between the b-value and the Poissons ratio (the correlation coefficient is 0.78). This may indicates that groundwater controls the b-value or small earthquakes.