

Can we foresee occurrence of a larger earthquake?(No.2)

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We investigated possibility of forecasting occurrence of a larger earthquake when two or more earthquakes that exceed a threshold magnitude occur at a distance of 10km or less within 30 days. Data set is inland shallow earthquakes in the Japanese islands during the period from 1995 through 2000. We found that when a larger earthquake occurs later, a further larger earthquake occurs for 17% of the groups of earthquakes with M2.5 or larger. That rate is 19% when groups of earthquakes with M3.0 or larger are selected.