

## Faulting process and condition for its occurrence of 2000 Tottori-ken Seibu earthquake

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Field observation after the 2000 Tottori-ken Seibu earthquake (Mw 6.6-6.8) discovered cracks thought to be directly related to the faulting of this event and faults indicating past earthquakes. But it seems difficult to predict occurrence of this size of earthquake in this region from topography data. Intraplate earthquakes of this size often cause heavy damage and it is important to predict the potential of this size of earthquake. To seek for a way to do that, we investigate relation among coseismic slip, micro-earthquake activity and surface faulting and relation between static slip and source portion due to the strong ground motion for this earthquake.