

Swarm activity in the east-off Izu Peninsula and volumestrain change observed at Higashi-Izu

Noriaki Miyakoshi [1], Akio Yoshida [2]

[1] JMA, [2] Earthq. Pred. Inf. Div., JMA

It has been known that change of volume strain observed at Higashi-Izu during swarm activities in the east-off Izu Peninsula is well correlated with number of shocks counted at the Kamata station. The ratio of the number of earthquakes to the strain rate is, however, different from event to event and it is generally not the same through the whole period of one swarm activity. For example, a tendency is seen that the ratio has a large value when the rate of strain change is large. We report here results of the investigations about the relation between swarm activities and strain changes prosecuted from various viewpoints.