

Change in seismicity before and after the 2000 Niijima-Kozushima swarm activity in the circumferential area of the source region

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We investigated seismicity change before and after the 2000 Niijima-Kozushima swarm activity in a wide area around the source region. Object of our study is to clarify whether cause of this remarkable activity can be attributed only to the movement of magmatic bodies in a localized area or occurrence of the activity was related to the tectonic process in the circumferential areas. We are interested in the difference of temporal change of seismicity with the distance from the source region. We found that seismicity near Sagami Trough became active about a month after the intrusion of magmatic bodies in Miyakejima.