

Anomalous changes observed by volumetric strainmeters in the Tokai network

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Sometimes, although not very often, anomalous changes of volumetric strain far exceeding the noise level at each site are observed by volumetric strainmeters in the Tokai network which have been installed to catch precursors for the Tokai-earthquake. An example is the one observed in October 1998 at Shimizu station. We should not overlook such a change in the real-time monitoring. Most of those changes are, however, considered to occur caused by local stress change near the strainmeter and they are very well approximated by relaxation curve. We examine those anomalous changes observed at various sites from the viewpoint of relaxation process.