

Crustal movements relating to the Kusanagi Fault and Earthquakes in the East off Izu Peninsula

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Kusanagi Fault is main active fault relating to the large-scale gravity collapse. The basal part of the collapsed block is riding on the subducting Philippine Sea Plate along the Suruga Trough. Automatic laser ranging is carrying out to monitor the activity of the Kusanagi Fault with 10 minutes interval. The rangers adjust automatically for refracted laser pass caused by the air temperature structure with computer controlled step motor. The crustal movements along the Kusanagi Fault relates with earthquakes in the east off Izu Peninsula.