**Dd-008** Room: C101 Time: June 9 15:45-16:00

## Distance trend across the Suruga Bay

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The distance across the Suruga Bay has contineously been observed since 12 years by an accurate optical distance measuring device.

Although in the period until about 1993, the crustal movements along the three baselines were very small and stable. However after that, the situation turned into a contracting phase, where the distance is showing a constant decrement, apparently agreeing with the expected rate as due to the pressure trend between the two plates.

Also, within this transient period, the distance was found to show a random fluctuations for several years, which is possibly interpreted as due to some local strain existing in the northern part of the Suruga Bay.

The distance across the Suruga Bay has contineously been observed since 12 years by an accurate optical distance measuring device. The distance measurement is of prime importance for monitoring the crustal-movement at the stressing area between Phillippine plate and the Eurasian one. The developed device has a resolution of ca 1 cm over the distance of 50 kilometers or more.

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