

Tectonic disturbances within the oceanic plate interior in the focal region of the 2004 Off Kii-Peninsula earthquakes

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We will report the tectonic disturbances within the oceanic plate interior in the focal region of the 2004 Off Kii-Peninsula earthquakes, which are read on the multi-channel seismic reflection profiles, especially on the non-migrated stacked time section.

The 2004 Off Kii-Peninsula Earthquakes occurred within the oceanic plate interior, which is rare to be observed. We have to study the phenomena carefully.

There is a stepwise depth difference on the Moho reflections, and there, a slip plane reflection wave front is associated. These features indicate the existence of the tectonic disturbances within the oceanic plate, which might be related to the oceanic plate, which might be related to the earthquake activity of this time. It will be the first time that such a correspondence is reported.

