

1997 Bungo Channel slow thrust slip event -spatiotemporal evolution of slip-

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"Silent earthquake", which occurred beneath the Bungo Channel and continued all through the year 1997, was detected by GEONET (GPS Earth Observation Network). Observed time series of surface displacement due to the event have such a characteristic feature as extremely slow rise. To estimate its source time function is important to discuss a seismological property of the event. We thus tried to estimate the slip evolution with time. We extracted the slow component of the event from the displacement time series of each station with respect to Maebaru station and then inverted to a slip history on a fault plane from observed daily cumulative displacements. As a result, it was confirmed that the slip had been propagating from the east of this region (shallow part) to the west (deeper part).