

## Elevation changes associated with the pre-slip of the 1955 Futatsui Earthquake ( $M=5.5$ )

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We restore the pre- and co- seismic slips on the fault associated with the 1955 Futatsui Earthquake, on the basis of the levelling data. Using simple dislocation model, the elevation change can be interpreted that these deformation processes had reflected the slip propagation processes on the fault, that preslip on the detachment and reverse fault in the lower seismogenic layer had started 13 to 6 years before the earthquake, and it propagated toward the fault tip, then it reached to the earth surface during the earthquake.

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