

## Monitoring of Philippine Sea Plate Motion based on Laser Ranging across Kusanagi and Asabata Faults in Shizuoka, Central Japan

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The monitoring using laser ranging on the motion of the Philippine Sea Plate is carrying out since 1996 crossing the Kusanagi and Asabata faults. The faults are concentric slide planes of gravitational collapse, relating with the uplifting of central Japan under the east-west compressional stress and sliding up the subducting Philippine Sea Plate. The changes in the distance across the Kusanagi Fault are observed in the range of several cm. The distance has annual change with trend of decrease since 1999..