

**S084-P001**

Time: May 29 17:00-18:30

## Laser ranging monitoring the Philippine Sea Plate Motion

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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 decreased abnormally from October 2000, and recovered March 2001. Decrease in the distance happened from August 2001 again.