

## Comparision of tilt at surface and deep borehole

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<http://www.tries.adeq.or.jp/>

TRIES(Tono Research Institute of Earthquake Science) has installed Ishii-type multi-compornent borehole instrument at a depth of 350m at Togari, Mizunami, Central Japan. The Crustal movements such as strains and tilts, have been continuously recorded at 10 second interval, from DEC 28, 1998. In order to compare the results with serface tilt at the high frequencies, we added an STS-1 seismometer on the laboratory, in which the Tertialy layer just above the borehole instrument. And at the low frequencies, is compared with water tube tiltmeter of RCSV(Research Center for Seismology and Volcanology, Nagoya Univ.). In addition we investigate the effect of sediment layer, because instruments of RCSV are installed on the sediments whereas our borehole instrument are in the granite basement.