

Dense GPS observation across the Median Tectonic Line -Determination of velocity field and identification of deformation boundary-

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For determining deep structure of the Median Tectonic Line (MTL) and current slip distribution on it, dense across-fault GPS campaigns have been conducted since 1998. Station velocities at 64 sites, including 42 GEONET sites of GSI, are determined from the October/1998 and the October/1999 campaign results. Horizontal velocity field shows that no significant relative motion has been detected across the surface trace of MTL. On the other hand, it seems that there exists a deformation boundary about 15-30km north of MTL.