

## Re-estimation of the relative motion of Philippine Sea plate derived from GPS observations

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Using the GPS data for the period of 1995-2000 we derived again the Euler vector of Philippine Sea plate(PHS). We analyze the Okino-Torishima campaign data together with GEONET and IGS sites on and around Philippine Sea plate by ITRF97, then estimate precisely displacement velocities by least square method. We examine the velocity vector of Hachijo site, if it is affected by the volcanic deformations. Since relative Euler pole between PHS and Pacific is located near Yap~Palau islands, precise plate motion model and observations are important to investigate the tectonics of this region.