

True real-time GPS monitoring of 10Hz sampling in Tokai region

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Some huge earthquakes occurred repeatedly in Tokai region. It is an area for the occurrence great earthquake again in the future. We developed 60 GPS observation points since 2003. Then, we provide various results (Utsumi et al., 2007; Hama et al., 2007). However, we couldn't analyze the data on these observation points for real-time. So, we re-established 10 points of GPS receiver etc, and we can analyze it in real-time. We detect a crustal deformation these points and 2 points that it was established at Izu peninsula since 2005 in real-time. Moreover, we considered using GPS as a seismometer, we were set up at 10Hz sampling of these points. We introduce the observation system and some results.