

Error Estimation of Vertical Site Coordinate based on GEONET GIPSY Analyses

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We reanalyzed about 950 sites of GPS Earth Observation Network (GEONET) deployed by Geographical Survey Institute (GSI) with GIPSY-OASIS II (Release 5) software from March 1, 1999 to August 31, 1999. The GEONET routine analysis data by using BERNESE software is also used to compare the behavior of the vertical site coordinates with two different analysis methods. We will discuss the error sources for vertical site coordinates estimated by GIPSY software and Bernese software in the lecture.