

Real Time Kinematic GPS Positioning by Virtual Reference Stations Using GEONET

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VRS (Virtual Reference Stations) is an effective method which realizes accurate Real Time Kinematic (RTK) GPS positioning in a comparatively wide area by using a few of reference stations. RTK-GPS by VRS is expected as positional information of the next generation if various problems are solved toward that realization and the observation result of the higher precision is realized.

Towards a the realization of RTK-GPS by VRS using GEONET, the field Observations and verifications are been doing in GSI (Geographical Survey Institute), and that validity is confirmed to provide a positional information to the application measurement and GIS and to promote more realization of the real time GPS positioning. We are going to report the results of observations in detail, and some problems related to VRS at a part of that results also will be discussed.