## Dm-P003

## Slant delay in GEONET Kanto-network using Bernese zero deffierence methods

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The slant delay obtained by the zero difference (ZD) method in Bernese GPS software developed by UCAR/GST is evaluated in summer and winter. 18 GEONET sites distributed in the Kanto-region is used for the analysis. If the types of antenna and radome in two sites in a baseline composed for double difference is same, the biases caused by the antenna phase center variations are small. The standard deviation in L3 slant delay residuals converted into the zenith direction in ZD method is about half of those estimated in GIPSY precise point positioning analysis. The trend of elevation dependencies in the two types of residuals are different.

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