



Comparison of periodic components of GPS time series for selected permanent stations on the area of CEI countries

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The coordinate time series of GPS permanent stations are affected by many factors. The largest observable effects have periodic character. The paper presents results of GPS time series data analysis, that were gathered from GPS permanent stations located on the area of CEI countries. Particularly periodic characteristics were determined. There has also comparison been made to determine if these components has same global origin or are there any local conditions that affects them. The values of periodic parameters dependency on location of the station were analyzed as well.

The data from Polish stations Wrocław (WROC), Borowiec (BOR1), Borowa Gora (BOGO), Jozefoslaw (JOZE), Lamkowko (LAMA) and Krakow (KRAW) was used as well as data from Czech stations Sniezka (SNEC) and Biskupska Kupa (BISK).