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#### Research Article

## GPS Time and Frequency Transfer: PPP and Phase-Only Analysis

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#### Abstract

To compute precise point positioning (PPP) and precise time transfer, software named *Atomium* was developed by the Royal Observatory of Belgium. In this paper, a phase-only analysis with the goal to obtain a continuous clock is presented. In this paper, the analysis strategy used in *Atomium* is described and compared to the results from the PPP mode. It is shown that the stability of the time link for averaging times smaller than 7 days is affected by the station coordinates used. The method is, however, shown to be robust against changes in the GPS receiver hardware delays which affects the code phase.

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