



Comparing velocity estimations from permanent time series and CEGRN epoch campaigns

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The reprocessed CEGRN campaigns were used to compute station velocities. The differences are checked against the EPN and ITRF velocity estimations coming from permanent time series. The EPN weekly solutions are sampled and compared to the continuous EPN solution to check if the differences are deficits of the epoch sampling. The same check is done with the OLG CERGOP solution. Additionally it is shown how the velocities will change at selected sites where jumps in the coordinate time series appear but will be neglected. This is the major deficit of solutions derived from epoch campaigns that jumps cannot be detected or be repaired without help from permanent time series. An example of adding artificially 5-10 mm offsets to CEGRN solutions should demonstrate the danger of mismodelling velocities.