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Reference frame and model improvements in CEGRN

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The GPS campaigns of Central European GPS Geodynamic Reference Network (CEGRN) provide the basis for investigating tectonic movements in the region of Central Europe. Altogether there are eight campaign solutions from 1994 to 2005 which are all generated by combining the single campaign evaluations of the CEGRN analysis centers. An updated velocity estimation based on this combined campaign solutions and aligned to the new ITRF2005 velocities and coordinates at selected datum sites will be presented and the impact of the new reference frame on the results will be discussed. All eight campaigns will be reprocessed in the current reference frame ITRF2005 according to the latest model changes (especially absolute antenna phase center corrections) following the new IGS guidelines and procedures. The poster will also show exemplarily the effect of this reprocessing respectively of the model changes on the campaign solutions.