



## First results of the 2nd IGS Data Reprocessing Campaign at GFZ

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The Analysis Centers (ACs) of the International GNSS Service (IGS) are preparing for the 2nd reprocessing campaign of the full history of GPS data collected by the IGS global network since 1994 in a fully consistent way using the latest models and methodology. The first IGS reprocessing was successfully finished in 2010, the homogeneous products contributed to ITRF2008.

The German Research Centre for Geosciences (GFZ) will contribute as to the first also to the 2nd IGS Reprocessing Campaign. Some improvements were implemented into the latest GFZ software version EPOS.P8 : reference frame IGB08 based on ITRF2008, antenna calibration igs08.atx, geopotential model (IERS2010), higher-order ionospheric effects, new a priori meteorological model (GPT2) and VMF mapping function etc. GPS data of the globally distributed IGS tracking network of 281 stations for the time span from 1994 until 2012 were reprocessed.

Since the Repro2 combination solutions are not available, this poster shows some selected results from our 2nd IGS Reprocessing efforts. The data from 1994 until 2012 were twice reprocessed to study the effect of the improvements and models. In addition the internal consistency is checked, e.g. orbit overlap, station residuals.