

Comparisons of homogeneously reprocessed GPS and VLBI long-time series

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Systematic effects arising from different modeling and parameterisation are a major error source when comparing (and finally combining) time series of different space geodetic techniques. To minimize these effects a homogeneous reprocessing as well as a consistent modeling and parameterization are essential. In this contribution we will compare consistent multi-year GPS and VLBI coordinate, troposphere zenith delay and gradient time series derived from solutions with models and parameters carefully harmonized: The GPS series (1994-2004) were computed within a reprocessing project of the Technical Universities in Dresden and Munich, VLBI series were generated by DGFI. Co-located sites are used to investigate systematic effects and long-term behavior of the two different space geodetic techniques.