

The Vienna VLBI contribution to the ITRF2020

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Abstract. In the course of the preparation of the ITRF2020, the Federal Office of Metrology and Surveying (BEV) has created together with the TU Wien one of the VLBI solutions combined by the BKG.

VLBI analysis centres usually model the Earth orientation parameters (EOP) as offsets and rates. However, the Vienna solution uses piecewise linear offsets (PWLO) to model the EOP and is the only analysis centre that has also submitted these for combination. After some initial problems the solutions could be combined successfully.

This poster will discuss the creation of this solution. Specifically, the parameterization of the EOP will be described in more detail. Furthermore, the finished Vienna VLBI TRF will be presented.