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Vienna contribution to ITRF2014

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The next realisation of the International Terrestrial Reference System, the ITRF2014, is currently in preparation or under evaluation, respectively. The VLBI input to ITRF2014 is provided by the International VLBI Service for Geodesy and Astrometry (IVS) and consists of a combination of all analysis center contributions. One of these single solutions is contributed by the Vienna special analysis center of the Department of Geodesy and Geoinformation at TU Wien. In this presentation we describe the characteristics of the Vienna contribution (calculated using the Vienna VLBI Software VieVS) to ITRF2014 or VTRF2014, respectively. We give a documentation of the included sessions and stations as well as some statistical information which show the performance of the Vienna contribution compared to the other contributions to the IVS combination. In addition to that, a single solution TRF, VieTRF2014, which is based on the Vienna input to ITRF2014, is presented and compared to previous TRF solutions.

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