

IERS Workshop on Combination, GFZ Potsdam, 10 – 11 October 2005

Session 1

Status of the ITRF2004, multi-year solutions and plans for future ITRF updates

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This session is devoted to the review of the status of the ITRF2004 being under development at the time of writing, analysis of the submitted time series and discussion on future plans for the ITRF solutions. The recommendations of the past IERS workshop on combination held in Munich in 2002 are also reviewed in this session, and in particular those relevant to the ITRF solutions.

The main topics to be discussed are:

- Analysis by the ITRF CC of the submitted time series: methodology, preliminary results and quality evaluation
- Feedback to the technique centers on their individual analysis combinations
- Consideration of updates to the datum specifications
- Local ties: number and distribution of the available co-location sites, quality of local ties; dubious and missing ties
- Evaluation of network quality and possible improvements
- Follow-up of the recommendations of IERS workshop 2002 of relevance to the multi-year solutions.
- Plans for future ITRF solutions and interaction with the CPP.

As far as the ITRF2004 is concerned, we refer to the call for participation, issued in December 2004, describing the background, the requested time series solutions, the analysis strategy as well as the expected main results of the ITRF2004. For more details see http://itrf.ensg.ign.fr/ITRF_solutions/2004/ITRF2004.php.

In order to follow-up the recommendations of the IERS workshop held in Munich in October 2002, a review of those which are pertinent to the theme of this session will be addressed as given in (Altamimi et al. 2003).

Reference

Altamimi, Z., C. Boucher, H. Drewes, R. Ferland, K. Larson, J. Ray and M. Rothacher, 2003, Combination of Station Positions and Velocities, Proceedings of the IERS Workshop on Combination Research and Global Geophysical Fluids, Munich, 2002. IERS Technical Note 30, Verlag des Bundesamts für Kartographie und Geodäsie, Frankfurt am Main.