

ITRF2004 computations at DGFI

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The ITRF2004 is based on the combination of time series of station positions and EOPs. The ITRS Combination Centers, namely IGN, NRCan and DGFI, coordinated by the ITRS Product Center (IGN) are in charge of the generation of the solution. The ITRF2004 submissions (weekly/daily SINEX files) were analysed concerning various aspects (e.g., a priori datum constraints, rank defect of normal equations). The combination methodology at DGFI consists of three major steps: (1) Analysis of time series and accumulation of epoch normal equations per technique (intra-technique combination), (2) Comparison and combination of different techniques (inter-technique combination), and (3) Generation of the final combined solution by applying minimum datum conditions. In this presentation we discuss the combination results achieved, and we summarize the ITRF2004 computations at DGFI.