

Fully automated multi-baseline VLBI analysis with c5++

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Automated processing of UT1 single baseline session has been demonstrated by Hobiger et al. (2010) and is currently applied to regular INT2 sessions as well as ultra-rapid test sessions. We have extended the concept of fully unattended session analysis to multi-baseline sessions and applied it successfully to three station EOPs experiments. Thereby the ambiguity resolution is the crucial part which needs to be handled by a robust and straightforward algorithm before the estimation of the geodetic target parameters could start. Based on our software c5++, we will present a simple multi-baseline ambiguity resolution approach and demonstrate its effectiveness. Moreover we discuss results from real-time EOP estimation experiments and give an outlook how this would affect VLBI2010 operation.

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