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Vienna VLBI Software VieVS – status quo and future developments

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The Vienna VLBI Software VieVS has been developed by the VLBI group at the Vienna University of Technology since 2008. VieVS is designed for the analysis of geodetic VLBI observation data as well as for scheduling and simulation of different VLBI sessions. The software incorporates the latest IERS Conventions and uses the concept of continuous piecewise linear offsets at integer hours for the parameter setup, consistent with the terms of reference of the GGOS. The current version, 2.0, which was released in 2012, aggregates all modules (i.e. data setup, least squares adjustment, global solution, scheduling, simulation, etc.) within one common graphical user interface. The new interface also offers additional tools to plot estimated parameters and residuals. We present the current status of the software focusing on the capabilities of release 2.0. Furthermore we give an overview of future plans and latest developments, such as the restructuring of the least squares adjustment into a scan wise update of the normal equation system which enables the analysis of sessions with a very large data volume, e.g. VLBI2010 sessions.