Otsubo et al. (2002) developed an analysis software package based on Java named CONCERTO4 which enabled the user to consistently process SLR, GPS and other satellite tracking data. Driven by the need to update the software and to replace the existing Java code, VLBI was added as an additional module to this analysis package. The updated and extended software package was renamed to c5++ and provides state-of-the-art modules for a variety of geodetic, mathematical and geophysical tasks that can be combined to a stand-alone VLBI application. Although many of these modules can be used for any of the space geodetic techniques, a couple of technique specific solutions (like relativity, antenna deformation, etc.) had to be coded exclusively for VLBI. We will discuss details of the c5++ software and its development, and summarize how the automated analysis procedure for real-time VLBI UT1-experiments was realized with c5++. Moreover, we will discuss bottlenecks of VLBI real-time operation as well as requirements for automated and unattended VLBI data analysis. Other fields of applications for this software will be presented as well. We will conclude our presentation with an outlook on future applications (including time and frequency transfer and spacecraft navigation), and will discuss the next steps towards a software package which allows the combination of space geodetic techniques on the observation level.