

ESOC IDS (Re-) processing

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Early in 2008 ESOC replaced its old GNSS analysis software with its new software, called Napeos. One of the key design criteria of this new ESOC GNSS analysis software has been short processing times! The now fully operational software allows to generate a one day IGS final solution using 150 stations within 60 minutes on a single core of a Linux PC with the Intel Fortran compiler.

Besides efficient GNSS analysis the Napeos software is also fully capable of processing DORIS and SLR observations. ESOC joined in the beginning of 2008 the reprocessing efforts of the International Doris Service (IDS), and is currently working on joining the ILRS reprocessing efforts. Our aim is to contribute fully reprocessed time series to all three space geodesy technique services: IGS, IDS, and ILRS, before the end of 2008. In our opinion a contribution from one software to all three techniques is unique and of significant value for the next ITRF combination!

In our presentation we will show the status of our IDS processing and some selected results from our different reprocessing solutions and provide an overview of our future plans.