

ESOC Analysis Centre Status Report

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- ESAWD05 solutions runs automatically and routinely, meaning a weekly SINEX solution is generated as soon as all DORIS data is available.
- HY-2A not yet included into ESA solution
- New solution ESAWD06 is being prepared which will include HY-2A and some model improvements (see next slide under already implemented). Delivery of ESAWD06 covering 1993-2012 expected within 1 month.
- This solution will form the basis for the next ITRF call

Already implemented but not part of ESAWD05 (but part of ESAWD06)

- Tropospheric gradients (daily)
- Usage of low elevation data (up to 5 degrees) mainly impacts the newer satellites with the DGXX receiver
- Switch to GFZ-GRGS EIGEN-6C model for gravity

Still to implement:

- IERS 2010 conventions instead of IERS 2003
- Including of Atmospheric Tides (Ray-Ponte 2003)

- Currently with latest NAPEOS version (3.7) a weekly solution takes 13-35 minutes (highly depends on number of satellites).
- Estimated total CPU time needed for 20 years: ~25'000 minutes, using 4 CPUs would allow us to process all data within 5 days.
- Thus it is possible for us to generate several test solutions

Thank you



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