CNES/CLS Analysis Center (LCA) Status Report

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Adopted standards for ITRF2013

Gravitational forces:
- Geopotential: EIGEN-6S2
- Third body: JPL DE421 (*IERS conventions 2010*)
- Ocean tides: FES2012
- Atmospheric gravity: 3hr ERA-interim / ECMWF up to degree 50
  (Atmospheric tides: none; considered through the ECMWF atmospheric data)
- Non tidal oceanic gravity: TUGO R12 up to degree 50

Non gravitational forces:
- Atmospheric drag: no change; still DTM94bis

Geometry:
- Troposphere: GPT2/VMF1 + one gradient per station in North & East directions
- Ocean loading: FES2012
- Tidal atmospheric loading: S1/S2 Ray&Ponte (*IERS conventions 2010, ITRF2013 recom.*)
Model assessments

See presentation about standard assessment (AWG Telecon in July + additional results)

See presentation about macromodel assessment for Cryosat-2
Data processing run on Linux (GINS: one 3.5-day arc ~5 mn)

Estimated time (POD, NEQ stacking, validation): 2 months

Reprocessing start: ASAP
Some remarks

- Mass files updated at Data Centers for SPOT-4 and SPOT-5
- Renaming SAA station parameters for Jason-1: positions AND troposphere