



# **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

# Processing

- 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