CNES/CLS Analysis Center (LCA)
Status Report

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Data analysis

- 1993/01 – 2008/12
  → lcawd24 for IDS-3

    Mean weekly atmospheric loading effect removed a posteriori
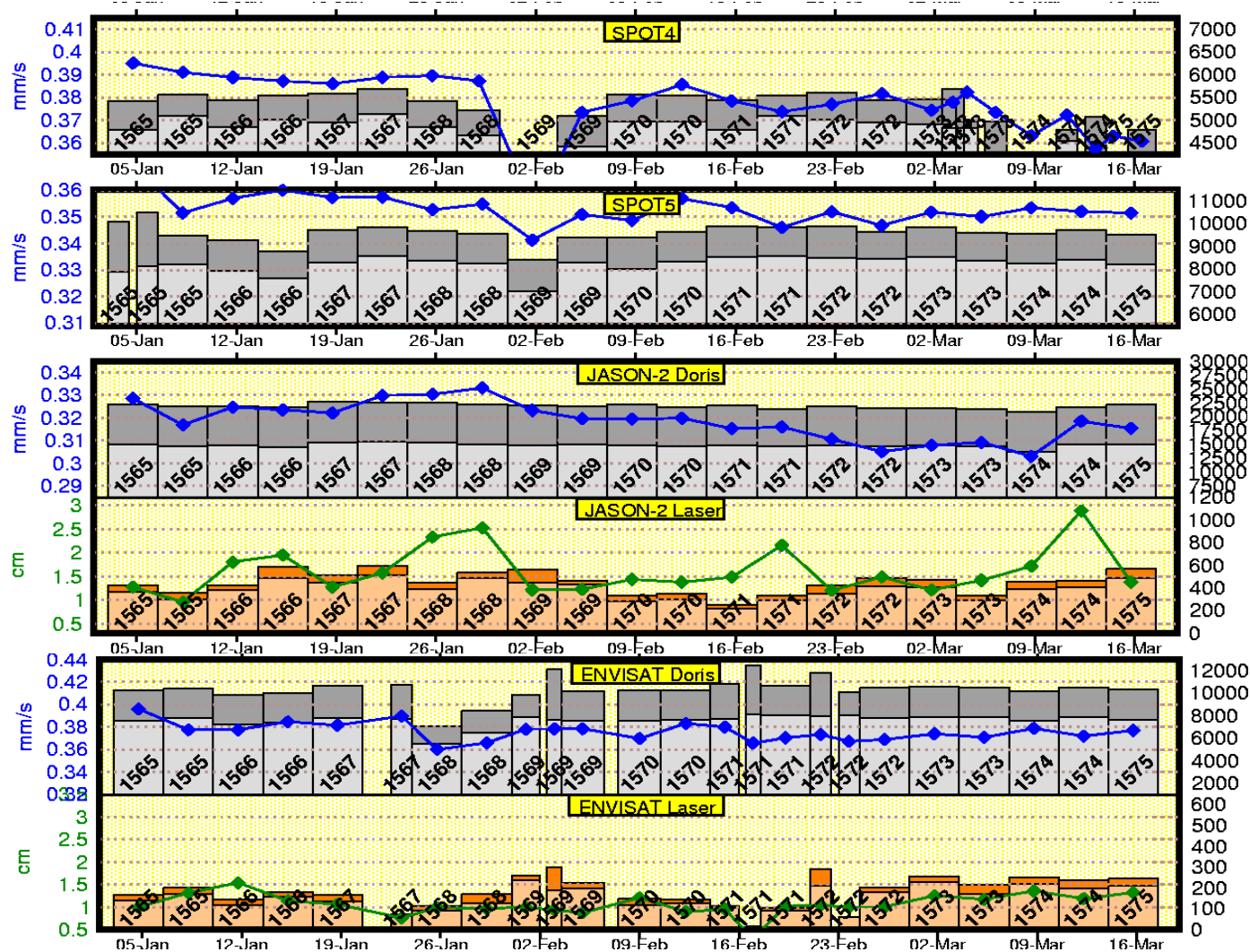   EIGEN-GL04S with drift terms

- 2009
  →lcawd24 w/o Jason2 / lcawd26 with Jason2 (new iono correction)

    No atmospheric loading correction
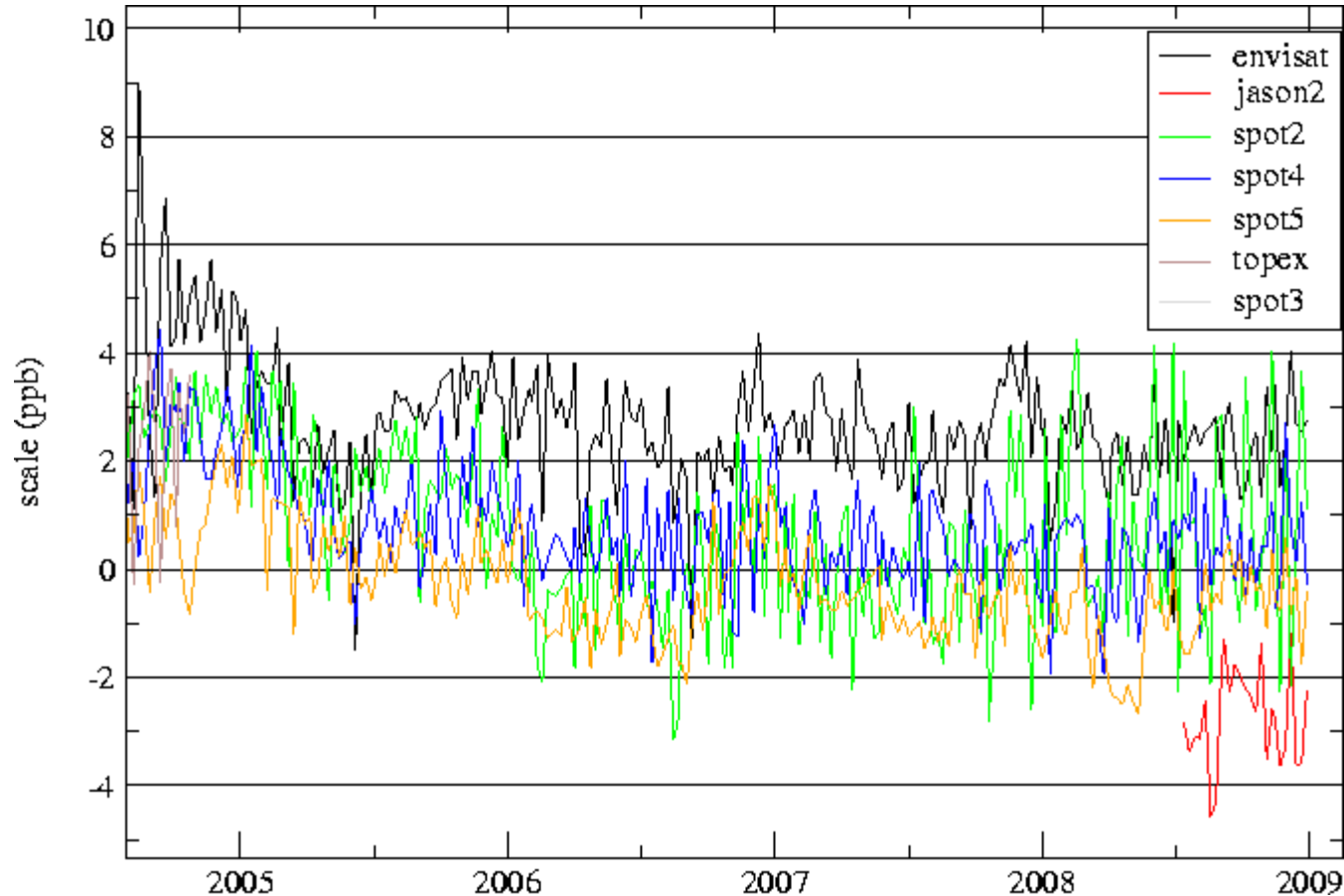   EIGEN-GL04S with drift terms

- 2010
  → January – March in validation step.

    No atmospheric loading correction
    EIGEN-GL04S w/o drift terms except for C20, C30, C40, C21, S21 (IERS standard values)

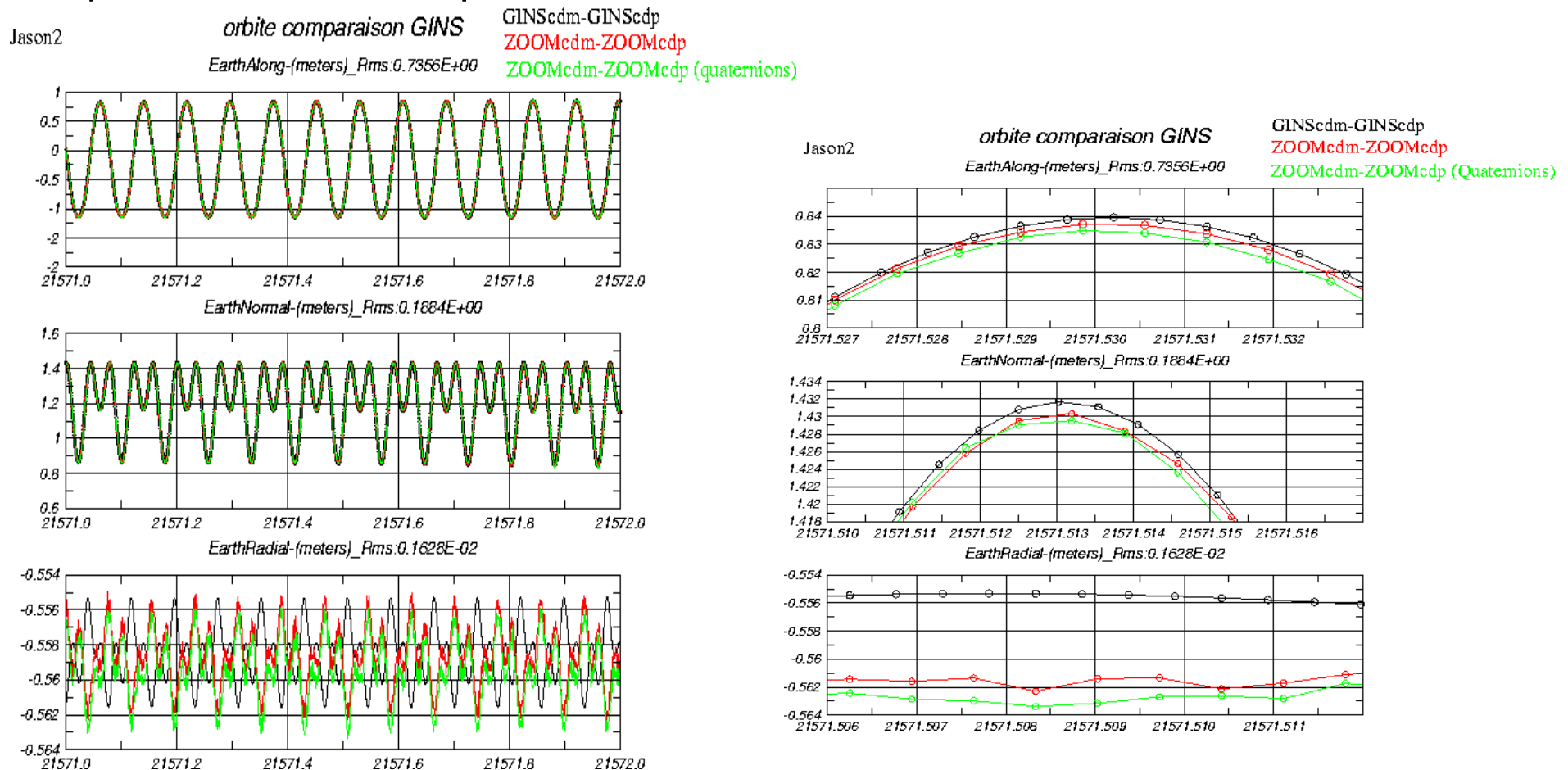# Current processing: Post-fit residuals

Scale factor vs DPOD2005

Jason2 with old file version (v1) including a bad ionospheric correction
The 3 ppb effect is removed with the good ionospheric correction (v2)

Check the attitude model for Topex, Jason1&2 attitude:
Comparison « centre of phase » orbit – « centre of mass » orbit for Jason2

Future plan

- Routine processing of SPOTs, Envisat, Jason2 and Cryosat-2 data

- Regular delivery to IDS of weekly combined SINEX (combination to be defined)

- Future improvements foreseen:
  - use of Jason2 quaternions
  - use of maneuver thrusts
  - use of UCL's satelitte models

Study in progress: Validation of the Adaptative Mapping functions (AMFX)
Developped by Pascal Gegout (GRGS)