



AWG Discussions / Action Item Review

IDS AWG meeting, Greenbelt 15-16 October 2015

Routine production

ACs Status for next delivery (from 2015-001 to 2015-157):

- IGN AC: done
- GRG AC: done
- GSC AC ?
- GOP AC ?
- NA AC ?
- ESAAC ?

Increase the rate of production?

(soon no longer need to wait DORIS SPOT5 corrected by SAA model as the end of the mission is scheduled at the end of year 2015)

RINEX data processing

ACs status

- IGN AC: in progress
- GRG AC: investigations in progress (DORIS RMS higher with RINEX data)
- GSC AC: in progress
- GOP AC in progress, scheduled at the end of year
- INA AC: depends of IGN
- ESA AC: in progress, deadline for Sentinel-3A launch

Open points following ITRF reprocessing

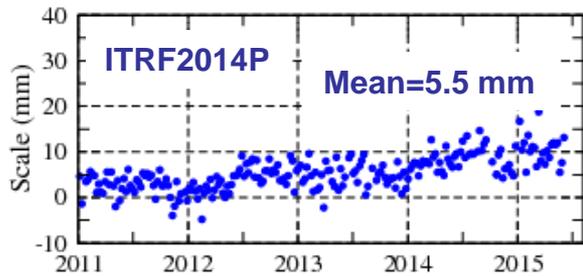
Open Jump in DORIS scale, 2012

• All the DORIS Analysis Centers observe the jump in scale. Presently the only substantive clues are that the jump seems more prominent for the DORIS analysis centers that use the data-supplied corrections and that although Cryosat-2, Jason-2 and HY-2A seem implicated, it is HY-2A that seems to cause the largest jump in scale.

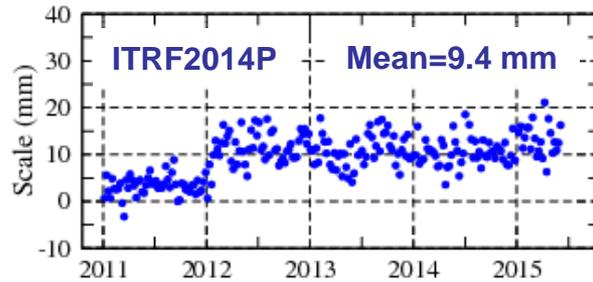
• The scale increase in 2012 is less prominent when we compare to ITRF2014P

GRG single satellite solution compared to ITRF2008 and to ITRF2014P

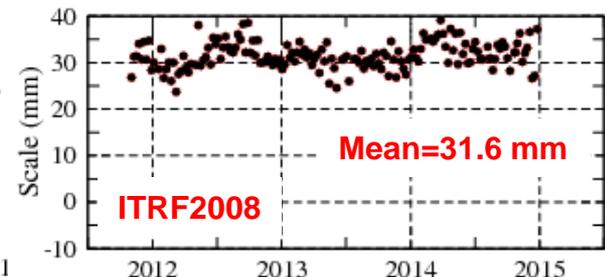
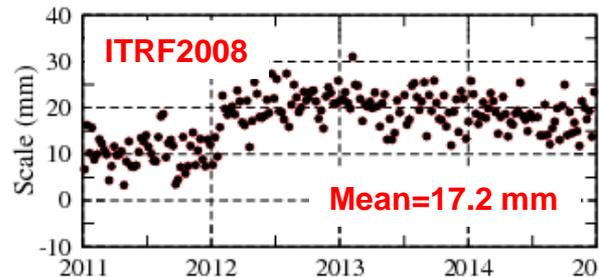
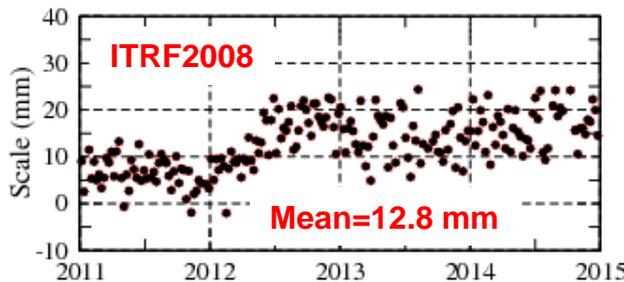
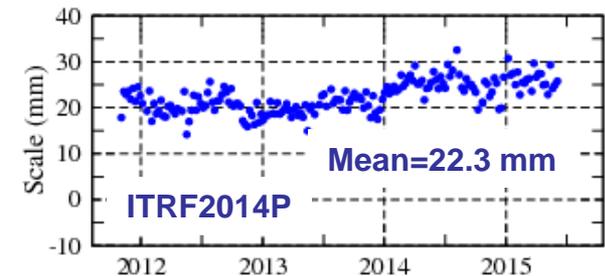
JASON-2



CRYOSAT-2



HY-2A



Open points following ITRF reprocessing

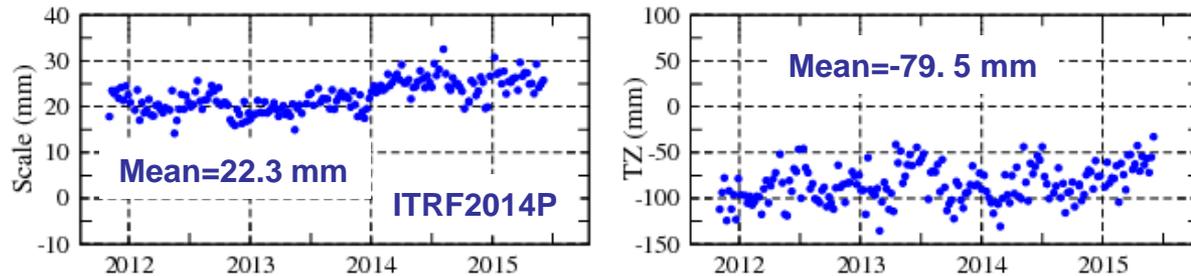
HY-2A results

Radial offset of ~3 cm

CNES has to contact Chinese agency to have information (showing results)

GRG has a high Tz value

Is it also seen by others ACs ? what about an HY-2A test campaign ?

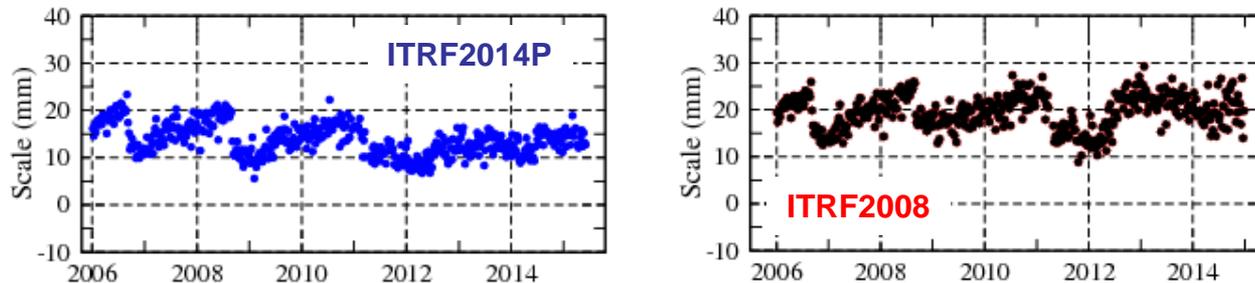


Scale issues on SPOT-5

GRG single satellite solution compared to ITRF2008 and to ITRF2014P

After 2012, the scale is smoother when we compare to ITRF2014P

Sawtooth pattern not yet explained



Open points following ITRF reprocessing

SARAL Center of mass

The initial center of mass position in Z (along cross-track) for Saral was estimated using DORIS data: the pre-launch position in the +Z direction was -0.6583m. The estimated initial position is now -0.6105m. This new value is the one implemented in CNES POE processing since Nov. 6, 2014 and in geometrical correction in the DORIS 2.0 files.

The document describing the satellite models implemented in POE processing <ftp://ftp.ids-doris.org/pub/ids/satellites/DORISSatelliteModels.pdf> has been updated and The Z value of the initial center of gravity in the header of the “mass and center of mass” history file of Saral has also been updated.

L. Soudarin has to propose to IDS a file containing the CoM initial values and a file of mass history wo information of CoM position.

Re-delivery of the doris2.2 data taking into account the new value of CoM from the beginning of mission to Nov. 6, 2014 by CNES POD team?

CNES has ton contact Indian Agency to have information (showing results)

ITRF2014 point

Implementation of ITRF2014

If ACs need help to implement in their POD software the post-seismic models they can contact those that have already done

CC (G. Moreaux) proposes to give to ACs the temporal series of stations impacted by post-seismic model

ITRF2014P Evaluation

First conclusions

Next models

Gravity field ?

Dealiasing products ?

Others ?