

CNES-CLS provided the new version of GRGS-DORIS normal equations for CONT08, version of the 6th October 2011.

Name of files in SINEX format available on the ftp site:

<ftp://hpiers.obspm.fr/iers/eop/grgs/GRGS/doris/>

grg08223dw01.n5
grg08230dw01.n5
grg08237dw01.n5

They contain:

- station coordinates for all stations: weekly parameters, epoch Wednesday 12:00
- X-pole, Y-pole, UT1UTC: daily values at 00:00
- nutation parameters NUT_LN, NUT_OB at 00:00 and 12:00
- zenithal tropospheric bias per satellite pass(*) for the following sites (only) :

Hartebeesthoek HBMB 30302S008
Greenbelt (Washington) GREB 40451S176
Mount Stromlo MSPB 50119S004
Papeete (Tahiti) PATB 92201S010
Kokee Park KOLB 40424S009
NyAlesund SPJB 10317S005

*satellite names were blanked in the stacking, so equations from two (or more) satellites passes over the same station are merged if the passes occurred in the same hourly interval

The normal equations are based on the analysis of the DORIS data from SPOT2, SPOT4, SPOT5, ENVISAT, JASON2 and 50 stations.

As required, we use

- the static gravity field model provided by Jean-Michel Lemoine,
- the a priori values for X_p, Y_p and UT1 from the EOP C04 series consistent with ITRF2008
- the ITRF2008 a priori coordinates from the DPOD2008 v1
(<http://www.ipgp.fr/~willis/DPOD2008/>)
- the mean pole of the IERS conventions 2010
- the ocean tides model FES2004
- the tropospheric model GMF/GPT

Laurent SOUDARIN
CLS - 8 -10 rue Hermès
31526 Ramonville Saint Agne
tel : (+33) 5 61 39 47 52

<http://igsac-cnes.cls.fr/>
