

Changelog

COST-G GravIS RL01 Ocean Bottom Pressure Anomalies

Created: 21 April 2023

This document lists changes that occurred to the data set Dobslaw et al. (2020), http://doi.org/10.5880/COST-G.GRAVIS_01_L3_OBP

V. 0002:

- Initial version.

V. 0003 (09 September 2020):

- The variable 'leakage' now employs the scaling factor as reported in Dobslaw et al. (2020).

V. 0004 (09 December 2021):

- Change of reference surface to ellipsoid as defined in IERS Conventions (2010) Tab 1.1.
- The variable 'leakage' has now unit hPa, i.e. the same as variable 'resobp'.

V. 0005 (21 April 2023):

- The input data has been changed from COST-G RL01 Level-2B Products V.0002 to V.0003 (Dahle & Murböck, 2020).
- Change of scaling factors for the 'leakage' variable as reported in the corresponding Technical Note (http://gravis.gfz-potsdam.de/GravIS_OBP_Technical_Note.pdf).

References:

Dahle, C., Murböck, M. (2020): Post-processed GRACE/GRACE-FO Geopotential GSM Coefficients COST-G RL01 (Level-2B Product). V. 0003. GFZ Data Services. https://doi.org/10.5880/COST-G.GRAVIS_01_L2B

Dobslaw, H., Dill, R., Bagge, M., Klemann, V., Boergens, E., Thomas, M., Dahle, C., Flechtner, F. (2020): Gravitationally Consistent Mean Barystatic Sea Level Rise From Leakage-Corrected Monthly GRACE Data. J. Geophys. Res.: Solid Earth, 125, e2020JB020923. <https://doi.org/10.1029/2020JB020923>

IERS Conventions (2010). Gérard Petit and Brian Luzum (eds.). (IERS Technical Note ; 36) Frankfurt am Main: Verlag des Bundesamts für Kartographie und Geodäsie, 2010. 179 pp., ISBN 3-89888-989-6