

## Changelog

# GRACE-FO Geopotential GSM/GAA/GAB/GAC/GAD Coefficients GFZ RL06

Created: 19 September 2024

This document lists changes that occurred to the following data sets:

Dahle, Flechtner, Murböck et al. (2019), [https://doi.org/10.5880/GFZ.GRACEFO\\_06\\_GSM](https://doi.org/10.5880/GFZ.GRACEFO_06_GSM)

Dobslaw, Dill & Dahle (2019), [https://doi.org/10.5880/GFZ.GRACEFO\\_06\\_GAA](https://doi.org/10.5880/GFZ.GRACEFO_06_GAA)

Dobslaw, Dill & Dahle (2019), [https://doi.org/10.5880/GFZ.GRACEFO\\_06\\_GAB](https://doi.org/10.5880/GFZ.GRACEFO_06_GAB)

Dobslaw, Dill & Dahle (2019), [https://doi.org/10.5880/GFZ.GRACEFO\\_06\\_GAC](https://doi.org/10.5880/GFZ.GRACEFO_06_GAC)

Dobslaw, Dill & Dahle (2019), [https://doi.org/10.5880/GFZ.GRACEFO\\_06\\_GAD](https://doi.org/10.5880/GFZ.GRACEFO_06_GAD)

### V. 6.0:

- Initial version.

### V. 6.1 (27 April 2022):

- The GSM products have been reprocessed using *ACH1B RL04* (see Level-1 Release Notes at [ftp://isdcdftp.gfz-potsdam.de/grace-fo/DOCUMENTS/RELEASE\\_NOTES/](ftp://isdcdftp.gfz-potsdam.de/grace-fo/DOCUMENTS/RELEASE_NOTES/) for more details) instead of *ACT1B RL04* as the accelerometer transplant data for the GF2 satellite.
- The GAA, GAB, GAC, and GAD products remain unchanged, but have been renamed from *GA\*\_0600* to *GA\*\_0601* to minimize interruptions in users' workflow and processing scripts; the only exception is the month 2021/11 where the day 2021/11/03 is not included in the RL06.1 products.

### V. 6.3 (19 September 2024):

- The GSM products for months in which both satellites are in nadir pointing mode with so-called 'wide deadband' (WDB) attitude control (January & February 2023, July 2023 through May 2024) have been reprocessed using an improved *ACH1B RL04* accelerometer transplant product (provided within the Level-1B \*.ACX2.tgz bundles) for the GF2 satellite; RL06.3 GSM products for all other months are identical to RL06.1, but have been renamed from *GSM\*\_0601* to *GSM\*\_0603* to minimize interruptions in users' workflow and processing scripts; from June 2024 onward, V. 6.3 is the operational version of release RL06.

- The GAA, GAB, GAC, and GAD products remain unchanged, but have been renamed from *GA\*\_0601* to *GA\*\_0603* to minimize interruptions in users' workflow and processing scripts.
- Note that version number V. 6.2 was skipped to ensure consistent version numbers among the three GRACE-FO SDS centers JPL, GFZ, and CSR (CSR is the only center which issued RL06.2 Level-2 products).