**Resources Version 1.1**

### GRACE information

- GRACE@JPL and GRACE-FO@JPL
- Center for Space Research
- German Research Center for Geosciences (GFZ)
- Technical documentation (e.g. GRACE Level 1B data user handbook)@PO.DAAC

### GRACE Level 1B data (ranging, orbits, accelerometer, etc…)

- ISDC@GFZ
- PO.DAAC@JPL/NASA

### Gravity field Models

- ICGEM@GFZ : Spherical Harmonic coefficients $C_{lm}$, $S_{lm}$ (Level 2 Product)
- TELLUS@JPL/NASA: Equivalent Water Heights (Level 3 Product)

### Satellite Radar Altimetry

- AVISO

### ARGO float network

- ARGO

### Github minimum working example

https://github.com/mikesierra7/34c3_EWH_MWE

### References


- Barthelmes, F. & Köhler, W., (2016): International Centre for Global Earth Models (ICGEM). in: Drewes, H., Kuglitsch, F., Adám, J. et al., The Geodesists Handbook 2016. Journal of Geodesy, vol. 90(10), pp 907-1205.
  DOI: 10.1007/s00190-016-0948-z
- Barthelmes, F. (2013): Definitions of Functionals of the Geopotential and Their Calculation from Spherical Harmonic Models. Scientific Technical Report STR09/02. GFZ Potsdam
  URL: http://icgem.gfz-potsdam.de/theory
- Chen, J.L., Wilson, C.R., Tapley, B.D. (2013): Contribution of ice sheet and mountain glacier melt to recent sea level rise.
  Nature Geosience, vol. 6. DOI: 10.1038/NGEO1829
- Gitlein, O. (2009): Absolutgravimetrische Bestimmung der Fennoskandischen Landhebung mit dem FG5-220. Dissertation, Leibniz Universität Hannover
- IPCC (2013): IPCC Assistent Report WG1 - The physical science basis. https://www.ipcc.ch/report/ar5/
- Mayer-Gürr, Torsten; Behzadpour, Saniya; Ellmer, Matthias; Kvas, Andreas; Klinger, Beate; Zehentner, Norbert (2016): ITSG-Grace2016 - Monthly and Daily Gravity Field Solutions from GRACE. GFZ Data Services. DOI: 10.5880/icgem.2016.007
- Wahr, J., Molenaar, M., Bryan, F. (1998): Time variability of the Earth's gravity field: Hydrological and oceanic effects and their possible detection using GRACE, J. Geophys. Res., 103(B12), 30205–30229, DOI: 10.1029/98JB02844.