

## Level 3 Products at GFZ



Workshop on May 31 at GFZ with participants from GFZ, TU Dresden & AWI

Driven by the fact that

- AWI will support GRACE-FO backup launcher funding and shall receive scientific responsibilities (mainly for ice L3 products)
- With TU Dresden GFZ had planned earlier a cooperation on ice product generation

Objectives

- Define reasonable Level-3 products (which may be not just a copy of JPL Tellus) and responsibilities
- Timeline till SDS Readiness Review (June 2017)
- Next meeting October 4

## Level 3 Products at GFZ

### Auxiliary products

- Degree-1 (CD)
- C20 (CD)
- GIA (Spher.Harm.) (VK)
- Consistent Love numbers (proposed by VK)
- Land/ocean/ice masks (AOD1B)

### Ocean (IB, HD)

- Global barostatic sea level
- Sea level pattern (1x1 grids)
- Ocean dynamics (1x1 grids)

### Hydrology (CD, LZ, HD, AG)

- 1x1 grids
- basins
- [customized basins]
- [Separation of individual storage compartments]

### Verification & Error estimation

- should be done by corresponding product generators

### Global grid

- 1x1 (CD)
- [combination of land/ocean/ice grids]

### Solid Earth (VK)

- Elastic deformation
- GIA trends

### Ice (IS, MH, VK)

- Greenland, Antarctica
- [Major glaciers & ice caps]
- Basins
- Polar-stereographic grid