

| Datum | Source | Description |
|------------------------------------|---|--|
| Bed topography | Morlighem et al. (2017) | Derived with mass conservation approach, extended with bathymetry measurements |
| Bathymetry measurement | | 2012 NASA project, led by Eric Rignot and Todd Dupont |
| Bathymetry measurement | Fenty et al. (2016); OMG Mission. (2016) | NASA project Oceans Melting Greenland OMG |
| Bathymetry measurement | Andresen et al. (2014) | Ship-based single point echo sounders |
| Trimline points | Kjeldsen et al. (2015) | Little Ice Age maximum extent (Fig. 1) |
| Surface mass balance (SMB) | Box (2013) | Monthly data, covering 1840–2012 |
| 1985 Digital elevation model (DEM) | Korsgaard et al. (2016) | Based on aerial photographs, 25 m resolution |
| 2005 DEM | Howat and Eddy (2011) | Greenland Ice Sheet Mapping Project (GIMP), 30 m resolution |
| 2012 DEM | Noh and Howat (2015) | ArcticDEM, 2–10 m resolution |
| Ice surface velocity | Rignot and Mouginot (2012) | Winter 2008/09 |
| Ice surface velocity | http://esa-icesheets-greenland-cci.org/ (described in Nagler et al., 2017) | Provided by ESA project Climate Change Initiative (CCI) Greenland Ice Sheet in winters between 1991/92 and 2008/09 |
| Ice surface velocity | Howat (2016) | Provided by MEaSURES, in the winters 2000/01, 2007/08 and 2009/10 |
| Ice surface elevation | Thomas and Studinger (2010); Krabill (2010, updated 2016) | IceBridge ATM; UI-1 in 2009–2012 and UI-3 in 1994, 1999, 2002, 2009, 2010, 2012 |
| Mass change | Wiese et al. (2015); Watkins et al. (2015) | Provided by the Jet Propulsion Laboratory (version: JPL RL05M GRACE mascon solution); suitable for regional (300 km scale) ice sheet mass change comparisons (Schlegel et al., 2016) |