

1. Identification

FileName: glaciers_cci_eca_rgi5_icesat_2003-2008_v151215.zip
Content: Greenland glaciers elevation change **Type** vector (point), shapefile
Creators: L. Sandberg Sørensen, N. Moelg, T. Bolch **Institution** Dept. of Geography
 University of Zurich
Created at 01.07. 2012 (release 1.0) **Funding** ESA Glaciers_cci, EU FP7 ice2sea
Entry ID: eca_rgi5_001 **Remarks**

2. Description

Description This data set provides ICESat-derived dh/dt values of Greenland's glaciers and ice caps from Oct. 2003 to Mar. 2008. The dh/dt values from a study by Sørensen et al. (2011) were digitally intersected with glacier outlines from the Rastner et al. (2012) inventory and improved to minimize outliers over the glaciers.

Methods Several filtering techniques are applied to minimize outliers of the original data. For detailed information see Sørensen et al. 2011 (doi:[10.5194/tc-5-173-2011](https://doi.org/10.5194/tc-5-173-2011)). The additional treatment of dh/dt data over glaciers is described in Bolch et al. (2013).

References Bolch, T., Sandberg Sørensen, L., Simonssen, S.B., Mölg, N., Machguth, H., Rastner, P., Paul, F. (2013): Mass loss of Greenland's glaciers and ice caps 2003-2008 revealed from ICESat laser altimetry data. Geophys. Res. Lett., 40, 875-881.

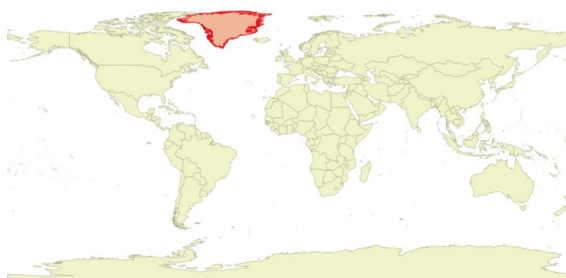
Citation When using this dataset, please cite the above reference (Bolch et al. 2013).

3. Source data

Source: nsidc.org/data (=> search) **Date (range):** Oct 2003 to March 2008
Satellites: ICESat **Years total:** 5
Sensors: GLAS **Product:** GLA12 release 531
Campaigns: L2A-C, L3A-J **Remarks:** Processed ICESat data are taken from Sørensen et al. (2011).
Nr. of points: 27800

4. Geographic coverage

Country: Greenland
Region: all peripheral glaciers
RGI Region: 5 (Greenland)
Longitude: 10 E - 90 W
Latitude: 60 - 84 N
Projection: Geographic
Datum: WGS84
Sampling: ICESat footprints, filtered



5. Data files

Name* cci_eca_greenland_2003-2008_icesat.xxx
Size 3.0 MB **Upload:** 16.02.2016
 File 1-7 Shapefiles: dbf/prj/sbn/sbx/shp/shx/xml
 File 8 Screen shot of geographical coverage
 File 9 This Metadata Information Sheet

