

## 1. Identification

LongName	glaciers_cci_gi_rgi05_TM-ETM_1994-2009_v170525.zip		
ShortName	Greenland ice sheet & CL2 outlines	Type	vector (polygon), shapefile
Creators	Philipp Rastner, Nico Mölg, Tobias Bolch, Raymond LeBris, Frank Paul	Institution	Dept. of Geography University of Zurich
Created at	25.05. 2017 (release 2.0)	Funding	ESA Glaciers_cci, EU FP7 ice2sea
Entry ID	gi_rgi05_003	Remarks	Update from Rastner et al. (2012)

## 2. Description

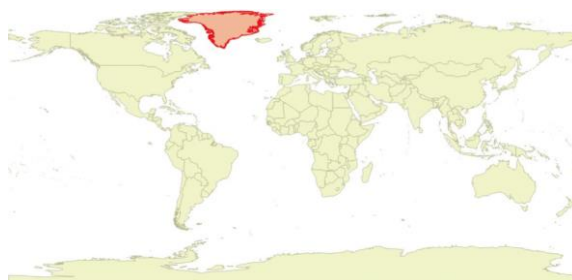
Description	This data set is an update of gi_rgi05_001 and including only the peripheral glaciers and ice caps with connectivity level CL2 (strong connection to the ice sheet) and the updated ice sheet outline. It has improved topology (seamless with gi_rgi05_002) and numbers for area / entities have slightly changed compared to Rastner et al. (2012).		
Methods	Band ratio red/SWIR with scene specific thresholds and manual correction of debris cover, seasonal snow, shadow, water (outside of glaciers), sea ice and icebergs.		
References	Rastner, P., Bolch, T., Mölg, N., Machguth, H., Le Bris, R., Paul, F. (2012): The first complete inventory of the local glaciers and ice caps on Greenland. The Cryosphere, 6, 1483-1495. (doi:10.5194/tc-6-1483-2012)		
Citation	When using this dataset, please cite the above reference (Rastner et al. 2012).		

## 3. Source data

Source	glovis.usgs.gov	Date (range)	12.07. 1994 - 06.07. 2010
Satellites	Landsat 5 and 7	Years total	16 (max), core: 5 (1999-2004)
Sensors	TM, ETM+	Product	USGS L1T
Path (range)	001-045, 224-233	Remarks	L7 SLC-off were mosaiced; GIMP DEM used for drainage divides; GIC north of 81 N are from GIMP ice mask
Row (range)	001-018		
Nr. of scenes	xx (see map and list)		

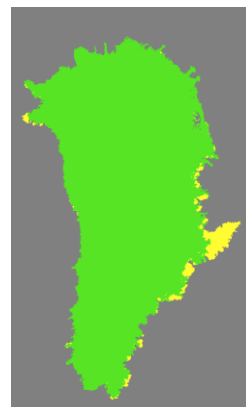
## 4. Geographic coverage

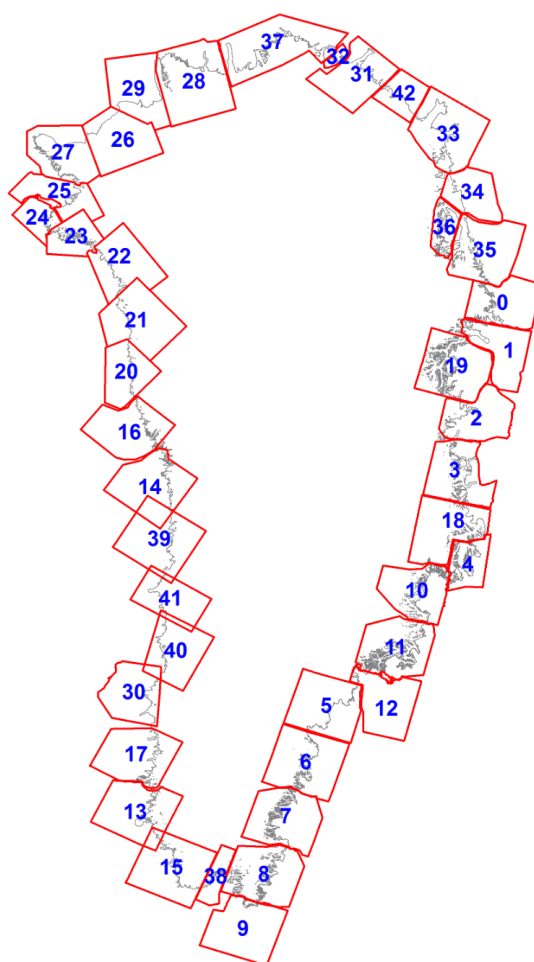
Country	Greenland
Region	Updated ice sheet outline and CL2 glaciers
RGI Region	5 (Greenland)
Longitude	10-73 E
Latitude	60-84 N
Projection	Lambert Azimuthal Equal Area
Datum	WGS84
Sampling	30 m (sensor pixels)



## 5. Data files

Name*	glaciers_cci_gi_greenland_gis-cl2_2000.xxx	
Size	44 MB	Upload: 09.11. 2017
File 1-7	Name + .dbf/.prj/.sbn/.sbx/.shp/.shx/.xml	
File 8	Screen shot of geographical coverage	
File 9	This Metadata Information Sheet	





Numbered footprints (see FID below) of the satellite scenes (red) used to create the outlines for the Greenland ice sheet and the CL2 glaciers.

FID	Day	Image_ID	FID	Day	Image_ID
0	20 08 01	LE72300072001232SGS00	22	26 08 01	LE70230062001238EDC00
1	20 08 01	LE72300082001232SGS00	23	27 07 00	LE70260062000209EDC00
2	20 08 01	LE72300092001232SGS00	24	23 08 02	LE70290062002235EDC00
3	21 09 01	LE72300102001264SGS00	25	28 06 00	LE70310052000180EDC02
4	01 08 99	LE72280121999213SGS00	26	24 06 00	LE70350032000176EDC00
5	27 07 02	LE72330142002208EDC00	27	24 07 99	LE70350041999205EDC00
6	27 07 02	LE72330152002208EDC00	28	20 07 99	LE70390011999201EDC00
7	10 09 01	LE72330162001253PFS00	29	20 07 99	LE70390021999201EDC00
8	12 08 02	LE72330172002224EDC00	30	23 08 00	LE70070142000236EDC00
9	12 08 02	LE72330182002224EDC00	31	17 07 04	LE70230012004199ASN01
10	14 08 02	LE72310122002226SGS00	32	22 07 03	LE70240012003203EDC03
11	09 09 00	LE72310132000253SGS00	33	31 07 03	LE70070032003212EDC02
12	07 09 99	LE72310141999250AGS00	34	23 07 04	LE70010052004205EDC01
13	25 08 00	LE70050162000238AGS02	35	31 07 03	LE70070042003212EDC02
14	16 08 02	LE70120102002228EDC00	36	26 07 03	LE70040052003207ASN02
15	27 08 00	LE70030172000240EDC00	37	01 09 99	GIMP ICE MASK with MODIS
16	21 08 02	LE70150092002233EDC00	38	23 08 01	LE70020172001235EDC00
17	14 08 99	LE70060151999226EDC00	39	15 08 01	LE70100112001227EDC00
18	09 09 00	LE72310112000253SGS00	40	23 08 00	LE70070132000236EDC00
19	18 8 01	LE72320082001230SGS00	41	1 8 01	LE70080122001213EDC00
20	7 8 01	LE70180082001219AGS00	42	23 7 05	LE70120022005204EDC00
21	30 8 01	LE70190072001242EDC00			

Details of the satellite scenes marked in the image above. The image ID denotes the sensor (Landsat 7 ETM+), followed by path (ppp) and row (rrr), year (yyyy) and day of year (ddd).



# Metadata Information Sheet



The last five digits relate to the receiving station and a control number.