

Ice Sheets

Data from NASA's GRACE satellites show that the land ice sheets in both Antarctica (upper chart) and Greenland (lower) have been losing mass since 2002. Both ice sheets have seen an acceleration of ice mass loss since 2009. (Source: GRACE satellite data)

Missions that observe land ice

[Gravity Recovery and Climate Experiment \(GRACE\)](#)

[NASA's IceBridge](#)

ANTARCTICA MASS VARIATION SINCE 2002

Data source: Ice mass measurement by NASA's GRACE satellites.

Credit: NASA



Click+drag to zoom

RESET

Get Data: [FTP](#) | Snapshot: PNG

GREENLAND MASS VARIATION SINCE 2002

Data source: Ice mass measurement by NASA's GRACE satellites.

Credit: NASA

RATE OF CHANGE

286.0

Gigatonnes per year
margin: ±21

2004
2006
2008
2010
2012
2014
2016
TIME

0
-3000
-2000
-1000

Greenland mass (Gt)

Click+drag to zoom

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- CARBON DIOXIDE

- GLOBAL TEMPERATURE

- ARCTIC SEA ICE MINIMUM

- ICE SHEETS

- SEA LEVEL