Global Warming and Glaciers

- The CEI commercial claims glaciers are growing
 - The paper cited refers only to interior Greenland

Recent Ice-Sheet Growth in the Interior of Greenland

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A continuous data set of Greenland Ice Sheet altimeter height from European Remote Sensing satellites (ERS-1 and ERS-2), 1992 to 2003, has been analyzed. An increase of 6.4 ± 0.2 centimeters per year (cm/year) is found in the vast interior areas above 1500 meters, in contrast to previous reports of high-elevation balance. Below 1500 meters, the elevation-change rate is -2.0 ± 0.9 cm/year, in qualitative agreement with reported thinning in the ice-sheet margins. Averaged over the study area, the increase is 5.4 ± 0.2 cm/year, or ~60 cm over 11 years, or ~54 cm when corrected for isostatic uplift. Winter elevation changes are shown to be linked to the North Atlantic Oscillation.

- Interior Greenland and Antarctica are accumulating more snow in the high interior where it is always well below freezing. This is expected as the earth warms: higher temperature -> more water vapor -> more snow
- These ice sheets are losing mass on the edges, where ice is flowing faster into the oceans, likely due to sea level rise.
- In the net, Antarctic is presently gaining mass.

Outdated. GRACE data indicates it is losing mass now