Greenland Glaciers Petermann Glacier



This is just a quick look at two of the poster child glaciers routinely used by the CAGW alarmist crowd to frighten the general public with tales of catastrophic melting in Greenland and the subsequent devastating rise in sea level. Just one problem, the glaciers are not cooperating, giving them a narrative problem. The Petermann Glacier,

Petermann Glacier Visuals

CSS-28a

Grand Solar Minimum. You really should do the Res

GSM

shown to the right, has been growing since 2012 at roughly 1 km/year (roughly 10 km). A rather inconvenient fact. But not surprising since temperatures

have been colder in Greenland since the unusually warm melt year in 2012. Large icebergs calved off in August 2010 (260 km²) and

July 2012 (according to Wikipedia, 130 km², although the accompanying video says 31 km² (?)), leaving the glacier front as shown in the upper left picture. At some point in the near future, another large iceberg will be calved off. These are natural processes and are not correlated to CO_2 concentrations. Scientists had been watching this particular crack develop since 2001. Wikipedia also mentions an iceberg calving in 2008 but does not provide detail.







the ENSO, CO₂ not so much (CSS-26 and CSS-27)).

CSS-28c **Greenland Glaciers - Jakobshavn**

2016-17

2018-19



occurred pre-1950. Since 86%+ of human emissions occurred post-1950, that early retreat was not our fault. Most of the remaining retreat took place from 2001 to 2006. CO₂ changed very little over that period. The faster periods of retreat (shaded red) correlate to the peaks in the AMO (as do Greenland's temperatures). The much wider

fjord might be also be a factor (i.e. stresses).

The Jakobshavn Glacier terminus has generally stabilized with only minor localized retreats since 2006. But the glacier is actively growing. The thicknesses (behind the terminus) have increased significantly (as shown in the NASA images to the left). The thickening is not surprising, given that global temperatures have declined noticeably since the El Niño peak in early 2016.

Red Shading lines up with Atlantic Original Image from The Washington Post Multidecadal Oscillation (AMO) highs, April 11th, 2017 and therefore Greenland temperature highs (CSS-27) The Ice Age is Coming 2021 Scare 2019 22 0.33 2200 191 Number of Years 1902-11 24 2003 1964- 3.5 7.4 0.28 0.32 1883-1875 **Retreat Rate** 0.25 0.64 km/year Jakobshavn Glacier (Washington Post) 2019 and 2021 added ©-RJD-2022

CSS-28d **Greenland Glaciers - Graphics**

GSM – Grand Solar Minimum. You really should do the Research! 0 00 00 00 00 00 01 12 8 4 0 0 8 8 11 (

SMB (Gt/dav)

2011-12

-2021-22

2022 450 Gt Add

Acc. SMB (Gt)

Jakobshavn

Petermann

Graphics



