

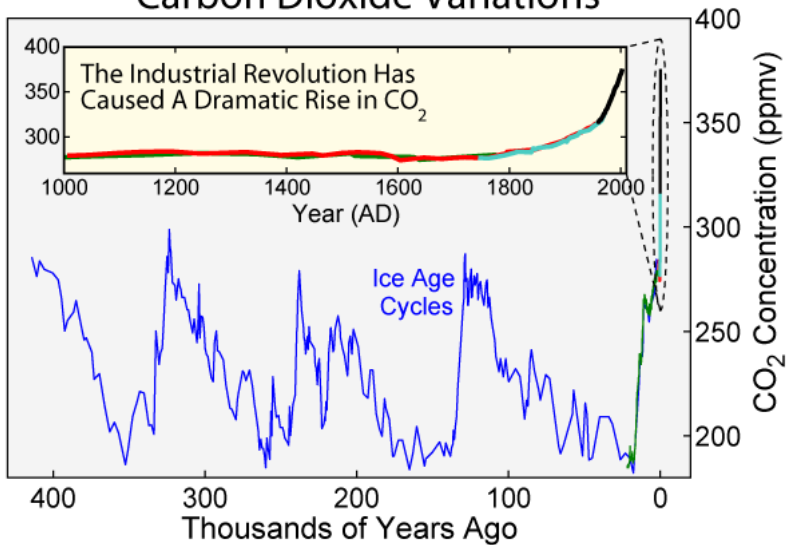
THE AZIMUTH CLIMATE DATA BACKUP PROJECT



**John Baez, Jan Galkowski, Sakari Maaranen
Scott Maxwell and over 627 others**

October 25, 2017

Carbon Dioxide Variations



By December 2016 the situation was clear.



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Trump's choice for the Department of Energy, Rick Perry, claimed

“we have been experiencing a cooling trend”

and

“there are a substantial number of scientists who have manipulated data so that they will have dollars rolling into their projects”.

On December 10th, 2016, meteorologist and reporter [Eric Holthaus](#) tweeted:

Scientists: Do you have a US .gov climate database that you don't want to see disappear?

Add it here: <https://docs.google.com/spreadsheets/d...>

Please share.

December 11th, my friend the statistician [Jan Galkowski](#) emailed me:

John, so I have just started trying to mirror all of CDIAC [the Carbon Dioxide Information Analysis Center]. We'll see. I'll put it in a tarball, and then throw it up on Google. It should keep everything intact. Using WinHTTrack. I have coordinated with Eric Holthaus via Twitter, creating, per your suggestion, a new personal account which I am using exclusively to follow the principals.

Once CDIAC is done, and checked over, I'll move on to other sites.

Washington Post, December 13th:

Alarmed that decades of crucial climate measurements could vanish under a hostile Trump administration, scientists have begun a feverish attempt to copy reams of government data onto independent servers in hopes of safeguarding it from any political interference.

The efforts include a “guerrilla archiving” event in Toronto, where experts will copy irreplaceable public data, meetings at the University of Pennsylvania focused on how to download as much federal data as possible in the coming weeks, and a collaboration of scientists and database experts who are compiling an online site to harbor scientific information.

By December 16th, [Sakari Maaranen](#) offered me his help. He's a computer systems architect in Finland:

I have several terabytes worth in Helsinki (can get more) and a gigabit connection.

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We decided to back up 30 terabytes of data. We finished in April. But this data costs about \$300/month to hold on commercial servers — with backups in case something breaks!

(One server overheated and broke in June, but everything was okay.)

So, I contacted [Steven Mandeville-Gamble](#) at UCR. On January 11th, [Danna Gianforte](#) wrote:

I am committing to you that one way or another, I will ensure you have access to the storage you need to save our precious climate data from the new administration. If you can save it temporarily through your efforts, I will ensure we get you a set of UCR server space to move it to soon. Does that work?

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We decided to use [Syncplicity](#), the new UCR cloud system. Downside: unlike the servers in Germany, this is not open worldwide, and the data is not there yet. Upside: it has institutional support.

Our data is currently available at three commercial servers:

<ftp://www01.azimuthproject-kickstarter.org/pub/>

<ftp://www03.azimuthproject-kickstarter.org/pub/>

<ftp://www04.azimuthproject-kickstarter.org/pub/>

Some of what we've got:

- NASA GISTEMP website: 103 gigabytes
- NOAA Carbon Dioxide Information Analysis Center data: 294 gigabytes
- NOAA Carbon Tracker website: 513 gigabytes
- Global ARGO data, NOAA: 3015 gigabytes

and dozens more, [listed on our project's website](#).

What's up now?

The [Environmental Data and Governance Initiative](#) is monitoring the EPA's website, watching the words 'climate change' disappear from their webpages, [archiving backups](#), and [publishing reports](#).

So far no US government *databases* seem to have disappeared.

EPA employees are being forced to attend [forced to attend anti-leaking classes](#), and, this week, [prevented from speaking about the new climate change report](#).

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In short: we've made some progress backing up US government climate databases, but we do not have a well-indexed, professional archive.