

Argo Data Management report 2024
US GDAC (Global Data Assembly
Center) October 19th, 2024

 Global Ocean Data Assimilation Experiment

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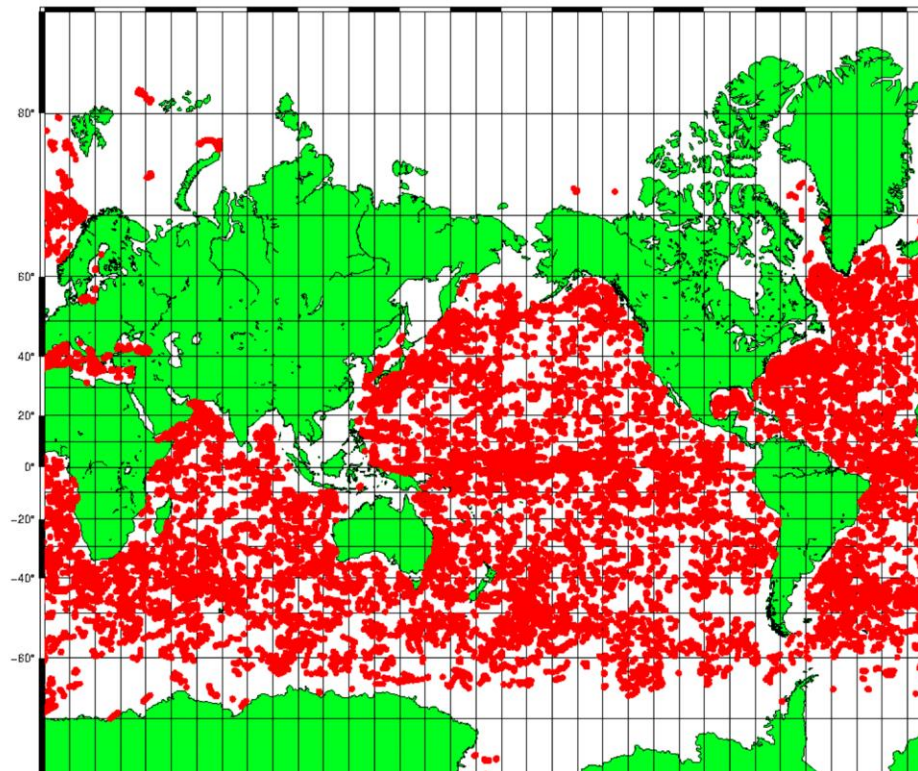
Select the DAC, dates,
coordinate box,
output preference and
press Go to generate

Year Month Day North
START: 2023 10 01 West -180 180 East
END: 2023 12 28 South -90

DAC: ALL aoml bodc csiro gts
FloatID: ALL
Output Type:
 Text List Only
 Text List and Location Plot
 Text/Loc Plot with ProfileIDs

Return Delayed Mode Profiles Only
Go Reset

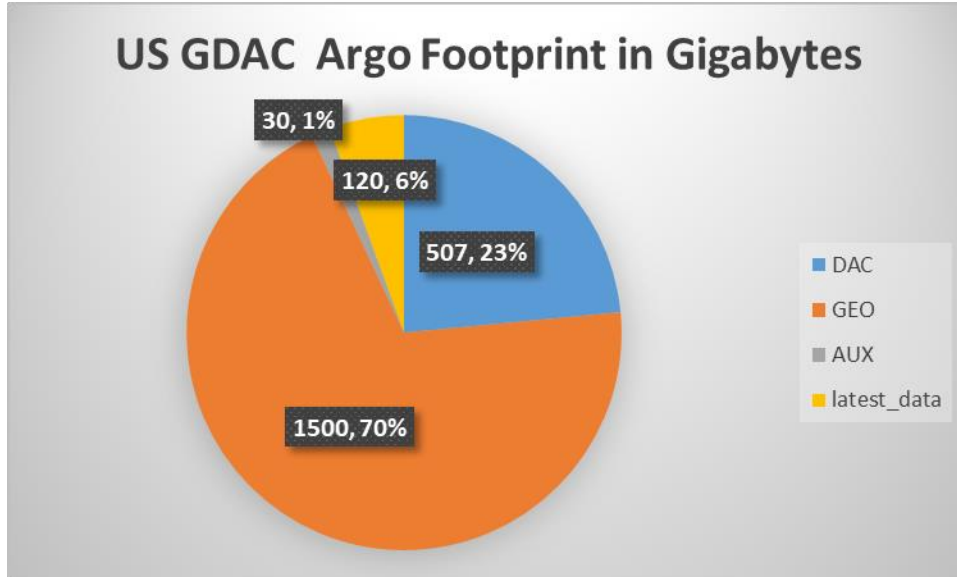
USGODAE Argo GDAC Data Browser



National centres reporting to you

Currently, 7 of the National DACs submit regularly to the US GDAC. The other DACs use the Coriolis as a proxy, and the US GDAC downloads the data from this proxy.

As of October 19th, 2024, the footprint on the Argo portion of the US GDAC was 2.1 TB.



DAC	MetaData	Technical	Trajectory	Trajectory D-Mode	Trajectory Bio
AOML	8982	8822	12360	3542	0
BODC	912	912	547	0	14
Coriolis	3852	3806	3766	1	0
CSIO	558	555	555	0	36
CSIRO	1179	1163	1141	0	0
INCOIS	541	524	416	0	0
JMA	1951	1683	1676	0	0
KMA	264	243	255	0	3
KORDI	120	120	107	0	0
MEDS	721	702	673	0	55
NMDIS	19	19	19	0	0
Totals	19099	18549	21515	3543	108

	Profiles	Profiles D-Mode	Profiles Bio
DAC			
AOML	195651	1402703	114884
BODC	37156	98629	6336
Coriolis	100752	424628	121738
CSIO	16130	61170	12434
CSIRO	13137	214352	24005
INCOIS	44024	39996	13217
JMA	47694	214200	20661
KMA	3744	34936	468
KORDI	1490	14504	3426
MEDS	29113	51012	9783
NMDIS	72	2388	0
Totals	488963	2558518	326952

Operations of the ftp server

The anonymous FTP server running on the US GDAC was disabled in December of 2023 due to IA restrictions. It was replaced with a SFTP (secure FTP). Data providers had to switch to SFTP.

Folks that used anonymous FTP to download data had to switch to using programs like wget that can utilize 'https'.

This was a very challenging time for the US GDAC / Argo. That being said, the patience/understanding of the entire Argo was tremendous and much appreciated.

Operations of the www server

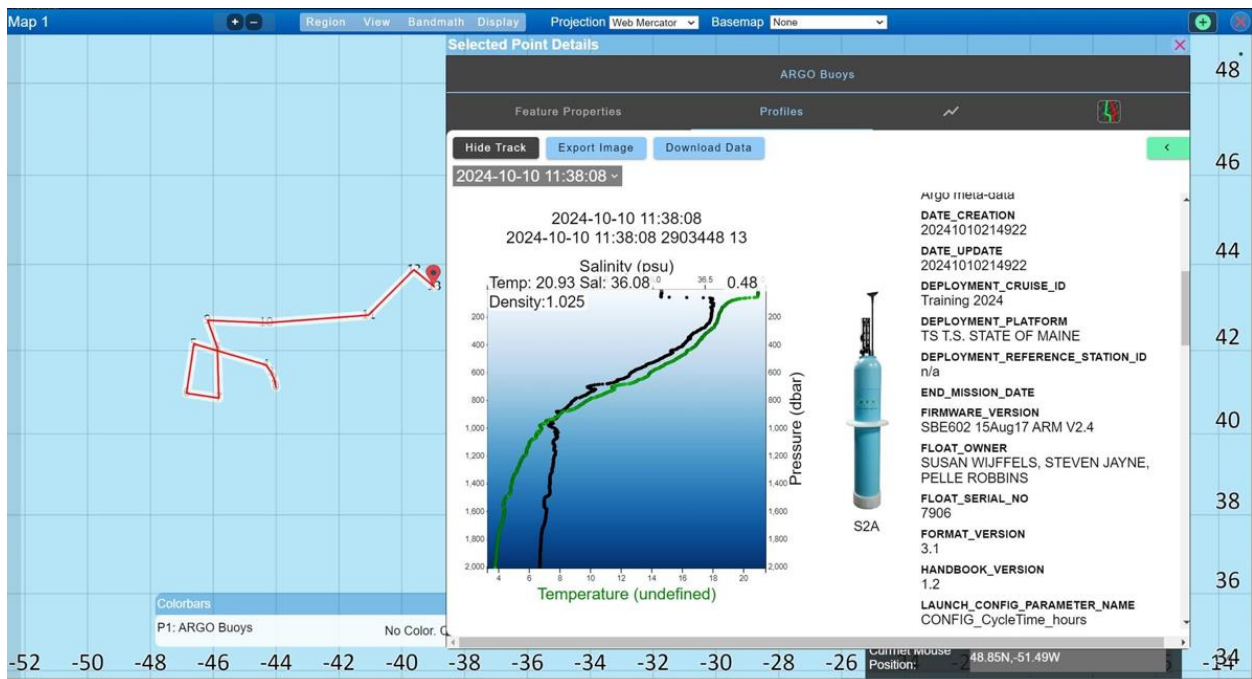
The US GDAC hosts an apache webserver that allows the users to download Argo data via standard tools such as wget.

In addition the US GDAC hosts the 'USGODAE Argo GDAC data browser' that allows for limited querying capabilities (time, area, dac, etc).

US GDAC HTTP server: <https://usgodae.org/pub/outgoing/argo>

Argo Data Browser: https://usgodae.org/cgi-bin/argo_select.pl

We are in the process of replacing the current Argo Data Browser with a program called Map room. We have been having issues with the current browser. Well, not necessarily the browser itself, but with the dependencies that it has.



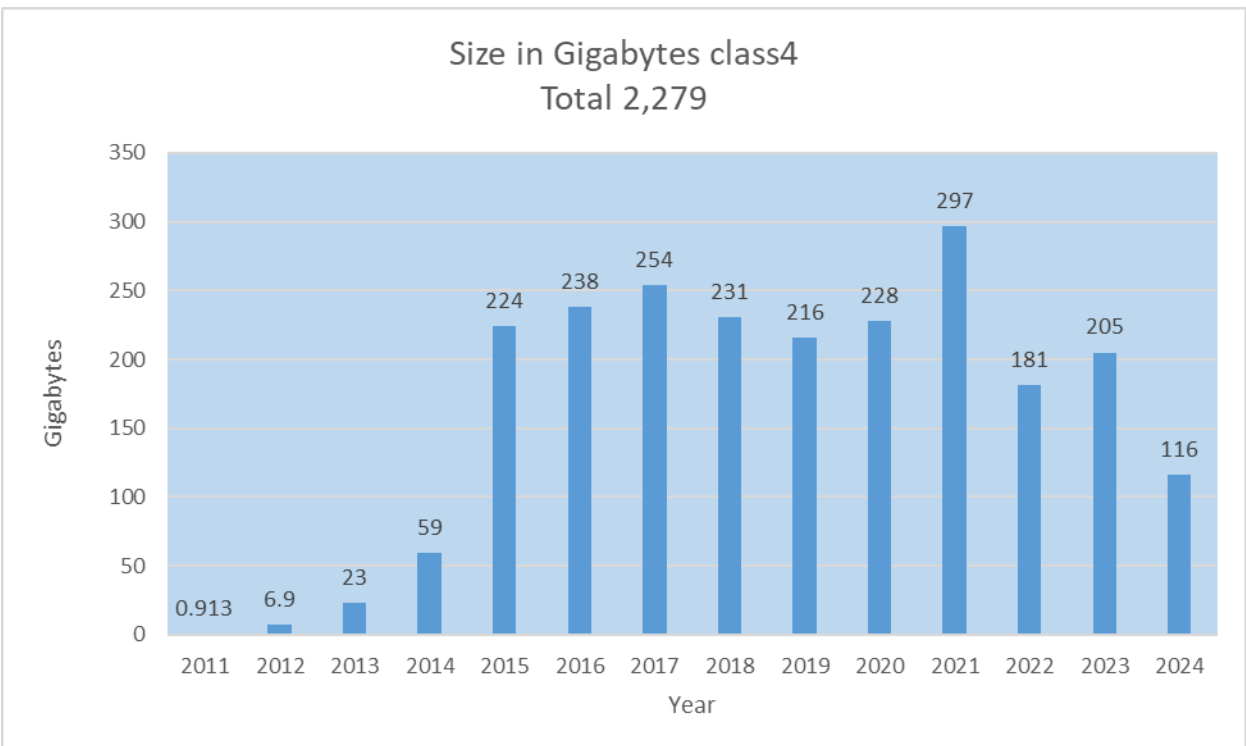
Data synchronization

The US GDAC synchronizes with the French GDAC once per day at 1015 UTC. The process involves downloading all of the index files from the French GDAC and comparing them to the local US GDAC. After comparison, all necessary files are then downloaded and submitted normally into the US GDAC.

The typical synchronization takes approximately 15 minutes to complete each day. However, there are times when it takes much longer and we need to investigate.

Class4

The US GDAC also hosts the class4 model comparison files. The US GDAC receives the files from 5 different sites.



Issues

Once again, I am missing the majority of the webserver log files. I only have the past months' worth (22Sep2024-20Oct2024).

Total successful Argo downloads 2,849,592
Total Argo size of downloads 1,933,645,757,070
Unique IP addresses 768

Total successful GODAE_class4 downloads 923,951
Total GODAE_class4 size of downloads 191,315,477,688
Unique IP addresses 20