



# U.S. Argo Data Assembly Center



The U.S. Argo Data Assembly Center (U.S. DAC) is hosted by the NOAA OAR Atlantic Oceanographic & Meteorological Laboratory (AOML)

## NOAA AOML U.S. Argo DAC Monthly Metrics Report: March 2025

**Argo Mission:** Argo is an international program that aims to understand the ocean's role in the Earth System to improve ocean and weather forecasts.

**Argo Achievement:** Argo is the dominant source of subsurface ocean data. This global array of [robotic profiling floats](#) measure from the ocean surface down to 2000 – 6000 meters ([float type dependent](#)). Argo data play a pivotal role in the Global Ocean Observing System and are used in nearly 600 NOAA products that contribute significantly to all three of [NOAA's strategic goals](#).

**Argo Key Impacts:** Argo observations are used to detect long-term changes in sea level, ocean heat, ocean biogeochemistry, ice volume and long-term weather signals. Argo is critical for improved global ocean and weather forecasts, including extreme weather events such as hurricanes, and are used within short-range ocean forecast applications for search and rescue operations, fisheries, shipping, oil and gas, and the military. For more information on U.S. Argo Users, please refer to [U.S. Argo Float Data Usage Mind Map](#).

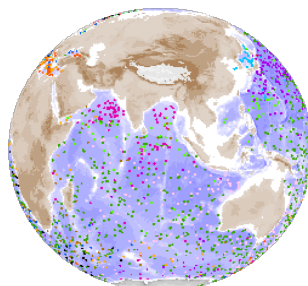
**Argo Collaborations:** Six U.S. NOAA Agencies, eight U.S. Universities & [30 countries](#) deploy Argo floats.

**Argo Data Availability:** Argo data and user-friendly tools are freely available from the [USGODAE GDAC](#) and the [Coriolis Argo GDAC](#).

## NOAA AOML U.S. Argo DAC: March 2025

**1,761,844 Total U.S Argo DAC Profile Files in GDAC**

 **2.8 hour median from float to GDAC & GTS user**



**9,242 Total U.S. Floats**



**2208 Active Floats**



### Core Argo Profiles

Temperature, salinity & pressure (T/S/P).  
Depths: 0 – 2000 m

**1,639,833**



### BGC-Argo Profiles

Core (T/S/P) + Biogeochemical sensors: chlorophyll-a fluorescence, oxygen, nitrate, pH, and CDOM.  
Depths: 0 – 2000 m

**122,011**



### Deep Core Argo Profiles

T/S/P.  
Depths: 0 – 4000/6000 m

**34,167**

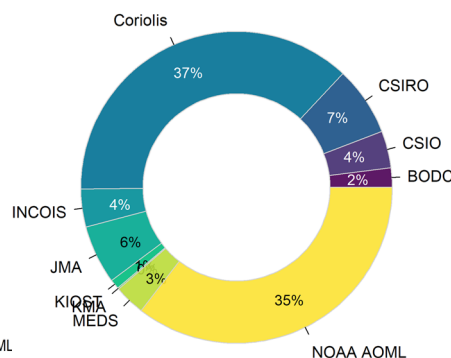
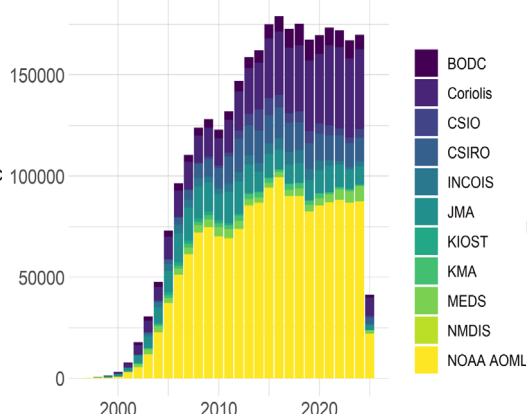
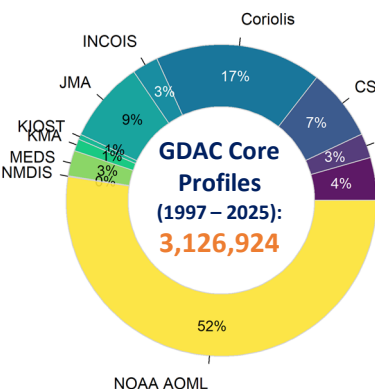
### Polar Argo Core Profiles

> 60° N & S  
T/S/P.  
Depths: Ice – 2000 m

**50,927**

## Global Argo Data Assembly (GDAC): 1997 - March 2025

### DAC -> GDAC Core Profiles (1997 – 2025)





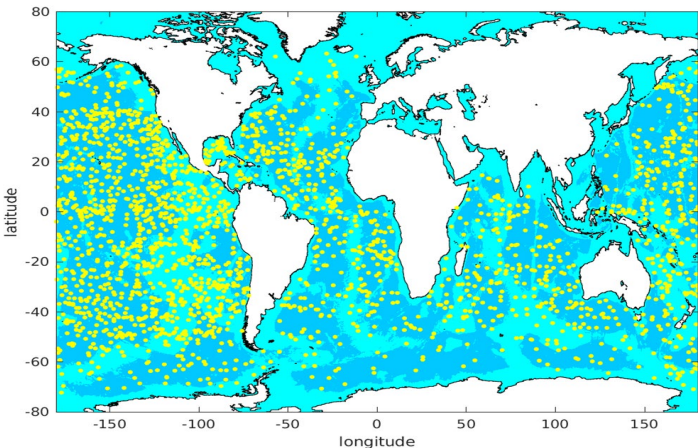
# U.S. Argo Data Assembly Center



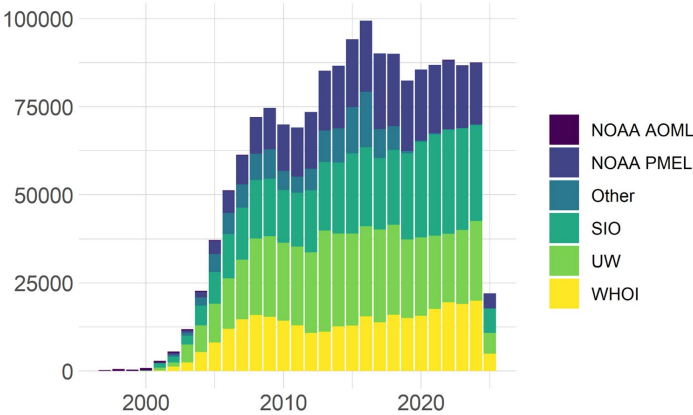
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## NOAA AOML U.S. Argo DAC Active Floats: March 2025

NOAA AOML U.S. Argo DAC active float locations: 31 March 2025

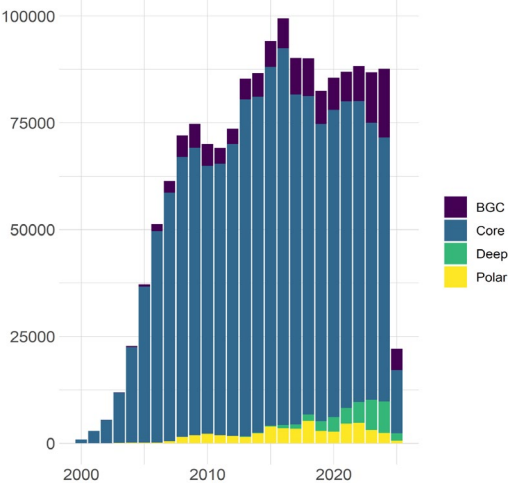


Annual U.S. Consortium Float profiles processed by the NOAA AOML U.S. Argo DAC

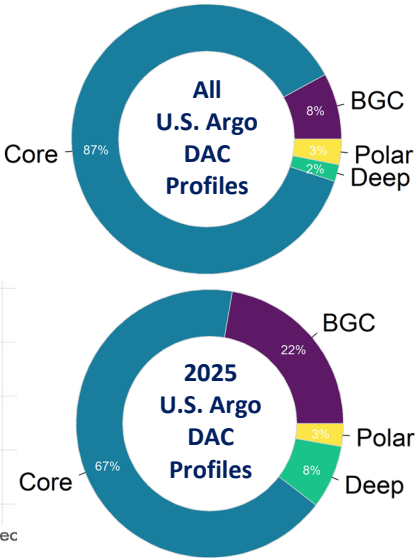
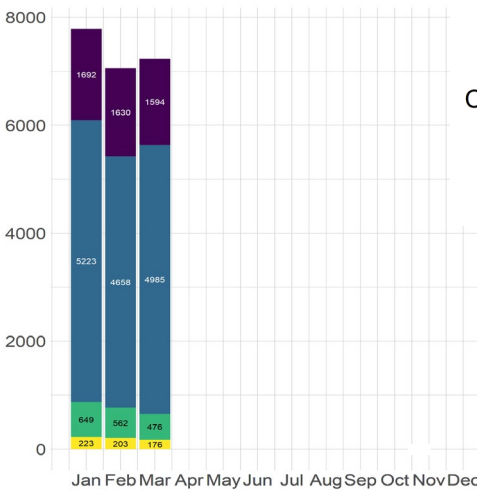


## NOAA AOML U.S. Argo DAC Profiles: March 2025

U.S. Argo DAC Profiles: 2000 - 2025

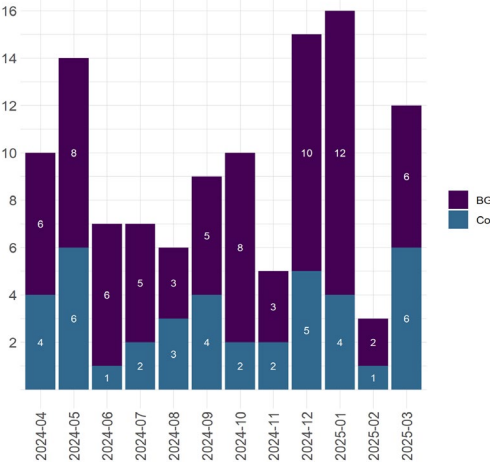


U.S. Argo DAC Profile Counts: 2025

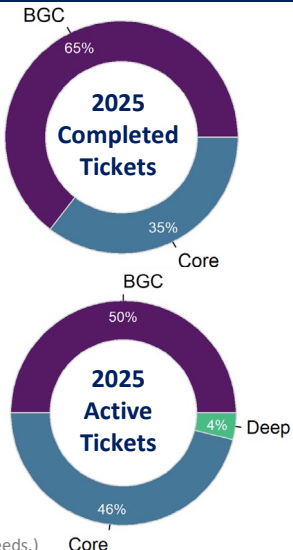
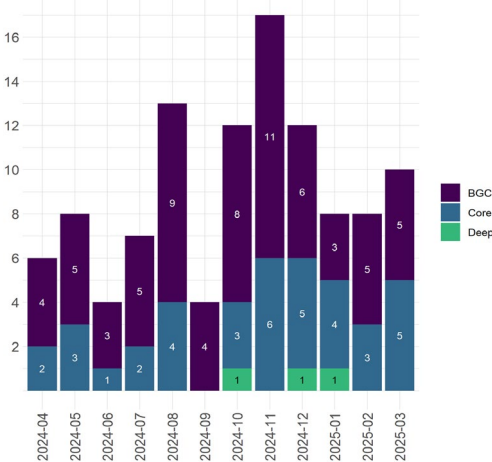


## NOAA AOML U.S. Argo DAC Internal Ticket Status: March 2025

Completed Tickets (last 12 months)



Active Tickets (last 12 months)



Tickets represent standard operating procedure code changes only, not routine data management (e.g. float transmission errors and reprocessing needs.)