



U.S. Argo Data Assembly Center

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



NOAA OAR AOML U.S. Argo DAC Monthly Metrics Report: July 2025

25 years of Argo, “the ‘crown jewel’ of ocean observing systems!!”

Argo Mission: To improve ocean and weather forecasts, for both global and regional users on land (drought, fire, weather, rainfall) and on the ocean (hurricanes, search & rescue, navy and maritime risk and route assessment, oil & gas and energy operations). The U.S. Argo Program provides **Exceptional Value for Taxpayer Dollars**, delivering full life-cycle Argo profiles on behalf of the NOAA Global Ocean Monitoring and Observing Program by effectively leveraging various in-kind funding sources.

Argo Achievement: Dominant source of subsurface ocean data collected by approximately [53 countries](#) – used in nearly 600 NOAA products. This global array of [robotic profiling floats](#) measure from the ocean surface down to 2000 – 6000 meters.

Argo Key Impacts: **Critical for Disaster Preparedness and Coastal Safety** and **Essential for U.S. National Security and Safety** - see [Quantifying the Value of U.S. Argo Floats](#), Operational Users below and our [U.S. Argo Float Data Operational Usage Mind Map](#).

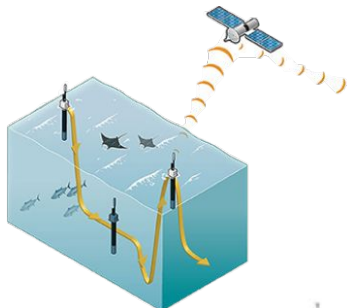
Free Argo Data: Freely available from the [USGODAE GDAC](#) and the [Coriolis Argo GDAC](#).



NOAA OAR AOML U.S. Argo DAC: July 2025

1,797,879 Total U.S Argo DAC Profile Files in GDAC

~2.3 hour median from float to [GDAC](#) & [GTS](#) user



9,355 Total U.S. Floats



2,146 Active Floats



Core Argo Profiles

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

1,670,852



BGC-Argo Profiles

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

127,027



Deep Profiles

T/S/P.
Depths: 0 – 4000/6000 m

36,370

Polar Region Profiles

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

52,687



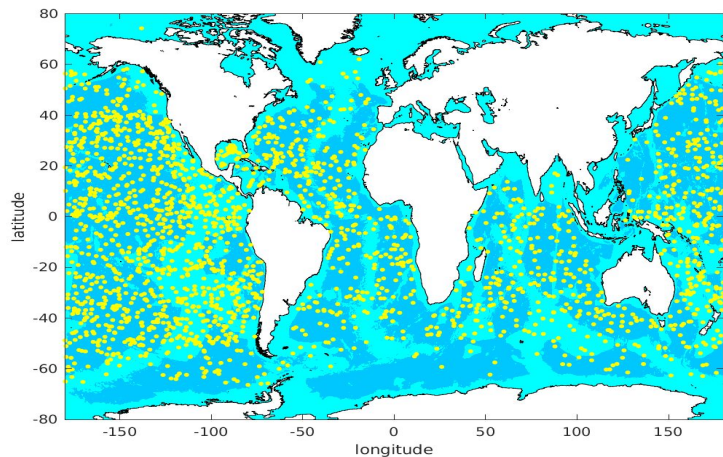
U.S. Argo Data Assembly Center



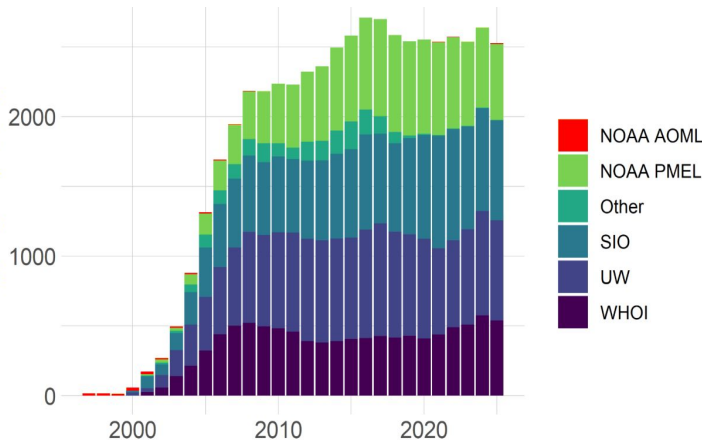
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NOAA OAR AOML U.S. Argo DAC Active Floats: July 2025

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

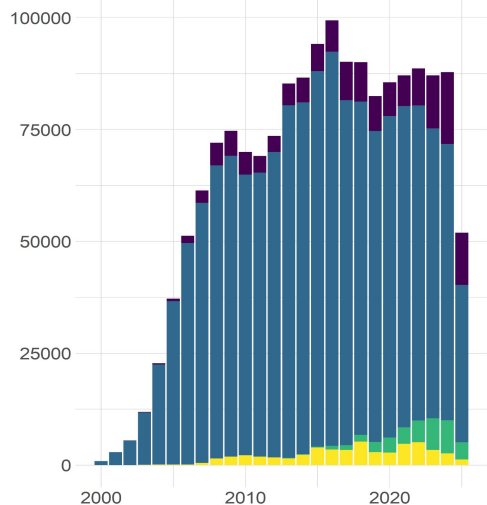


Annual U.S. Consortium Float profiles processed by the NOAA AOML U.S. Argo DAC

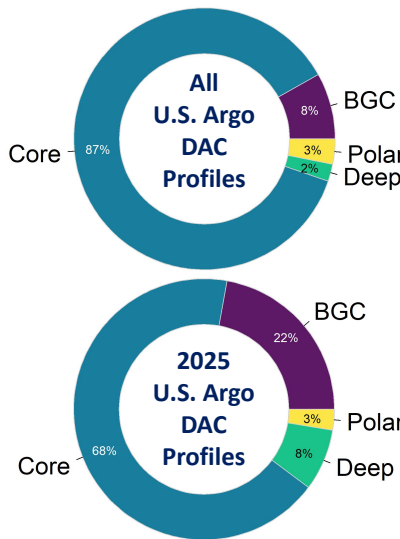
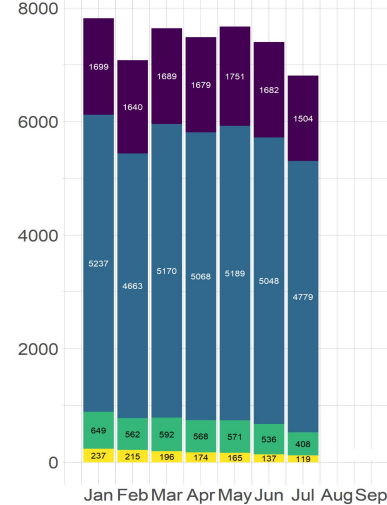


NOAA OAR AOML U.S. Argo DAC Profiles: July 2025

U.S. Argo DAC Profiles: 2000 - 2025



U.S. Argo DAC Profile Counts: 2025



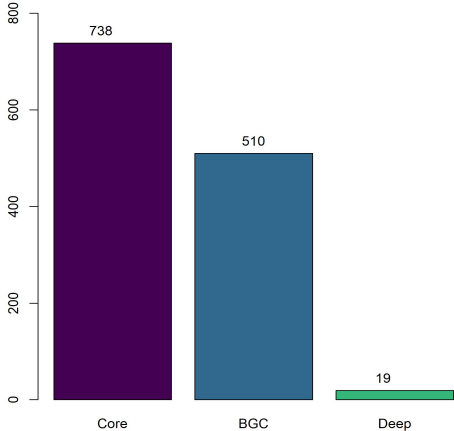
NOAA OAR AOML U.S. Argo DAC Internal Ticket Status: July 2025



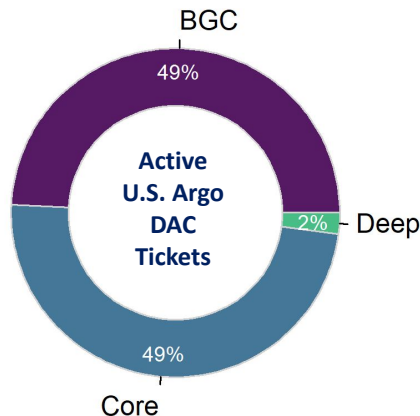
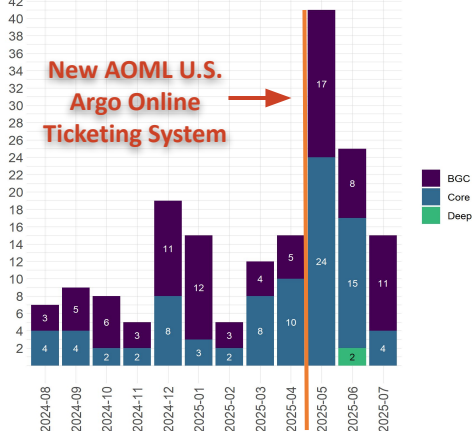
Please [contact us](#) to sign up for our NOAA OAR AOML U.S. Argo Online Ticketing System



Submitted Tickets (2015 - 2025): 1,267



Completed Tickets (last 12 months)



Prior to May 2025, tickets represent operating procedure code changes only, not routine data management (e.g. float transmission errors and reprocessing needs.)