

U.S. Argo Data Assembly Center



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

AOML Argo Monthly Metrics Report: January 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 <u>robotic profiling</u> <u>floats</u> measure from the ocean surface down to 2000 – 6000 meters (<u>float type dependent</u>). 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 <u>NOAA's strategic goals</u>.

Argo Key Impacts: Argo observations are used to detects 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.

Argo Collaborations: Six U.S. NOAA Agencies, eight U.S. Universities & <u>30 countries</u> deploy Argo floats.

Argo Data Availability: Argo data and user-friendly tools are freely available from the <u>USGODAE GDAC</u> and the <u>Coriolis Argo GDAC</u>.



Argo, the 'crown jewel' of ocean observing systems, turns 25!!





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U.S. DAC Active Floats: January 2025

AOML U.S. Argo DAC active float locations: January 2025





U.S. DAC Profiles: January 2025







U.S. DAC Internal Ticket Status: January 2025





Core

