

**U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric
Administration
OAR Laboratories**

Pacific Marine Environmental Laboratory
NOAA Building Number 3
7600 Sand Point Way NE

December 11, 2023

R/PMEL

To whom it may concern:

This is to certify that the following people will be participating in a NOAA hydrographic cruise in the Atlantic Ocean in February-March 2024 as part of the international Global Ocean Ship-based Hydrographic Investigations Program (GO-SHIP; www.go-ship.org). This is a scientific research cruise on the *R/V Marcus G. Langseth* that will begin in Mindelo, Cabo Verde on February 1, 2024 and end in Cape Town, South Africa on March 23, 2024. The cruise is one of many repeated globally with the goal of quantifying changes in ocean hat content, inorganic and organic carbon, oxygen, nutrients, and other natural and man-made tracers of ocean circulation. During the cruise, the scientists listed below will participate in sample collection and analysis operations. More information can be found at https://www.aoml.noaa.gov/ocd/gcc/A13.5_2024/.

The purpose of this letter is to certify that the scientists listed below will leave Cabo Verde on board the *R/V Marcus G. Langseth* on February 1, 2024 for an oceanographic voyage. These scientists will remain on board until arrival in Cape Town, South Africa on March 23, 2024. This letter should be viewed as confirmation of a one-way vessel ticket from Mindelo, Cabo Verde to Cape Town, South Africa.

Jennifer Aicher	Jessica Anderson	Rachel Cohn	David Cooper	Adeola Dahunsi
Zachary Erickson	Charles Featherstone	Kristian Furnes	Clara Gramazio	James Hooper
EvaLynn Jundt	Teresa Kennedy	Kristene McTaggart	Patrick Mears	Francis Nunoo
Maxwell Pacette	Christian Saiz	Daniel Sandborn	Isabel Schaal	Ian Smith
Cory Saryk	Eric Wisegarver	Bo Yang		

You may reach me on my email or telephone listed in my signature below with any questions.

Sincerely,



Zachary K. Erickson, Ph.D.
Chief Scientist for NOAA's 2024 Atlantic Ocean cruise
NOAA/Pacific Marine Environmental Laboratory
NOAA Building Number 3
7600 Sand Point Way NE
Seattle, WA 98115
zachary.k.erickson@noaa.gov
+1 (206) 526-6862

