



The GOMO Observer

Summer Edition 2023



Message from the Deputy Director

Hi GOMO Community! As northern hemisphere summer - and another Federal fiscal year - head toward a close, it feels like a natural time to pause, reflect, and appreciate all the work it takes to observe the ocean.

If you're reading this, you are likely very aware of the challenges and the increasing importance of sustaining our ocean observations and research. You are likely also aware of the many roles that factor into getting our instruments into the water and the data out of it. I want to specifically call out our GOMO budget and communications experts. Every dollar that Congress appropriates needs careful attention to ensure we are making the most of it. It's a complex and often-shifting landscape, and our budget experts are nothing short of miracle workers!



Receiving funding means people understand and value the work we do. This past weekend I had the privilege of celebrating my Dad's 81st birthday. With each passing year, he becomes a more informed and vocal advocate for GOMO and NOAA's mission. He is a great reminder to me of the need for diverse communications; from our own GOMO experts to my Dad, who I'm pretty sure wears his NOAA hat as an ice breaker to tell Central Pennsylvania why observing the ocean matters to them.

The number of people and processes it takes to make that one glider transect or mooring data accessible is huge and at times tenuous. This all works because of our human ocean observing value chain: dedicated ocean researchers, program managers, partners and collaborators, budget analysts, communications experts, people like my Dad, and more. Thank you ALL for everything you do to meet the GOMO mission!

Jessica Snowden
GOMO Deputy Director

Upcoming Events & Important Dates

- [Ocean Sciences Meeting](#) - Feb. 18-24, 2024 | New Orleans, LA | **Deadline to submit abstracts: Sept. 13.** Call for Abstracts from the GOMO team:
 - [Communicating Ocean Science in the Climate Crisis](#)
 - [Sustained Ocean Observation Systems for Small Island Developing States \(SIDS\)](#)
 - [Improving Process Understanding, Modeling, and Observing in the Tropical Pacific](#)
- [World Climate Research Programme Open Science Conference](#) - Oct. 23-27, 2023 | Rwanda | **Registration open**
- [2024 Ocean Carbon & Biogeochemistry Workshops & Activities Proposal Solicitation](#): **Deadline to submit proposals - Oct. 27, 2023** | Information and Feedback: Sept. 22 & Oct. 13
- [Workshops on surface ocean fCO₂/pCO₂ observations](#) - Nov. 6-9, 2023 | Oostende, Belgium | **Registration open**
- [Phase 3 Call for Applications: U.S. Carbon Program Leadership Award for North American Carbon Science Community](#) - **Deadline to apply: Feb. 29, 2024** or until funds are depleted

Program Updates

Thank You for Attending the 2023 GOMO Community Workshop!

The biennial GOMO Community Workshop was held on July 25-27, 2023 in Silver Spring, Maryland. We were pleased to welcome over 170 attendees virtually and in-person during the two and a half day workshop. The meeting consisted of several sessions on new and innovative science, a half-day Data Workshop to discuss and develop GOMO's Data Strategy Plan, and panel sessions on Identifying GOMO Stakeholders, Broadening Engagement and DEIJA, and Communicating the Importance of Ocean Observing. Visit the [2023 GOMO Community Workshop webpage](#) to learn more about the meeting and view [presentations](#) from GOMO leadership and other Community Workshop speakers.



2023 at Woods Hole Oceanographic Institution



The [Ocean Carbon and Biogeochemistry \(OCB\) Program](#) hosted its [Summer Workshop](#) at the Woods Hole Oceanographic Institution June 12-15, 2023. NOAA, NSF, NASA, and GOMO sponsored the travel of 25 workshop participants and assisted in planning the plenary session "Sustained observations of ocean biology."

GOMO Program Manager Alyse Larkin and NOAA Ocean Acidification Program Manager Jessica Cross presented NOAA program updates to participants. Alyse, Jessica, and GOMO Program Manager Kathy Tedesco participated in an early career and program manager networking reception, and Kathy also represented NOAA at the OCB Scientific Steering Committee meeting.

GOMO Program Mangers Hired as NOAA Federal Employees



Congratulations to GOMO Program Mangers, [Cheyenne Stienbarger](#) (pictured left) and [Cynthia \(Cindy\) Garcia-Eidell](#) (pictured right), who were hired as NOAA Federal Employees in July 2023. Cheyenne supports the Tropical Pacific Observing System and leads the Extreme Events Program. Cindy supports the Arctic Research Program specializing in data issues, including designing and developing data management approaches and policies, as well as establishing a data management framework.

"Emily in Paris" - GOMO Program Manager Emily Smith going on detail to UNESCO Headquarters in September 2023



Emily Smith will be heading to Paris, France in September 2023 for a one year detail at the UNESCO Headquarters. There she will work with the [Global Ocean Observing System](#) on a number of topics including Dialogues with Industry and GOOS Regional Alliances (IOCARIBE and PIGOOS). Emily's current portfolio in GOMO includes managing the U.S. Argo Program, established ocean heat products, and underwater gliders. GOMO is excited to welcome Meredith Kurz from the NOAA OAR International Activities Office to support these activities while Emily is on detail. Meredith will be starting in GOMO full-time on September 1st.

Job & Fellowship Opportunities

- [RFP for Local Ocean Observation Coordinator in Micronesia](#) - Deadline to apply: Sept. 20
- [RFP for Local Fellowship Coordinator in Micronesia](#) - Deadline to apply: Sept. 20
- [Postdoctoral Scholar with UW/CICOES and PMEL Ocean Climate Stations \(OCS\) team: Tropical Pacific Air-Sea Interaction](#) - Applications open

GOMO News



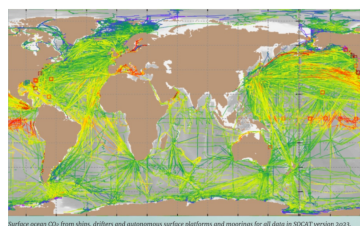
Scientists Team with Commercial Shipping Industry to Improve Hurricane Research

Five 'fast-cycling' Argo floats were deployed from a commercial vessel in the Caribbean Sea to improve ocean and hurricane research. These floats will fill in gaps in the Yucatan Basin, and serve as field research from GOMO's new [Extreme Events Program](#).



GOMO Supports Successful International World Ocean Day Celebration

From June 8-11th, roughly 1,000 high school students and 4,000 members of the public gathered to celebrate and learn about the oceans during a multi-day outreach event for World Ocean Day in Cape Town, South Africa.



Latest Ocean Carbon Data Atlas Shows a Significant Decline in Ocean CO2 Measurements

Surface Ocean CO2 Atlas (SOCAT) Version 2023, released on June 20, shows a dramatic decline in carbon dioxide (CO2) observing efforts in the world's ocean.



Meet the Women Advancing NOAA Hurricane Research & Forecasting

With the start of the 2023 hurricane season, we are highlighting some of the outstanding women working in hurricane sciences across NOAA's programs, labs, and partners.

2023 Women in Sciences Leadership Workshop

The 2023 Women in Sciences Leadership Workshop was held in April at the University of Arizona. The two-day workshop hosted 50 women from across different fields and sectors. The workshop series has now reached over 350 women from across the US and internationally.

Ocean Observing Tech Enhances Climate Education in the Cook Islands

Through the SEREAD educational program, Argo's data helps teach science in a hands-on approach using examples that build on Pacific students' everyday observations and experiences.

Check out our [News Page](#) to stay up-to-date with more GOMO news & stories!

Do you have news to share? Submit your news through our [Communications Reporting Form](#) or contact GOMO's Communications Specialist Jessica Mkitarian at jessica.mkitarian@noaa.gov.

Community Spotlights

Meet GOMO's Summer Undergraduate Interns



Diego Rivera
University of Florida
Hollings Scholar

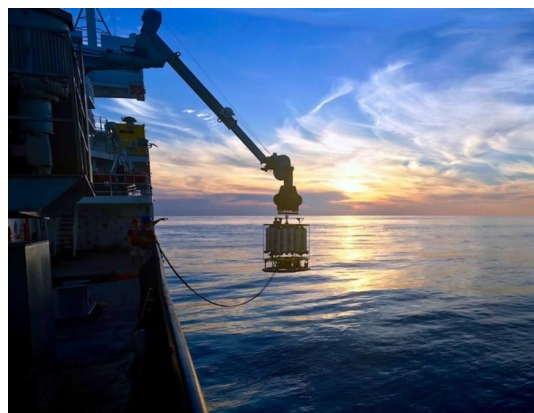


Kelli Ong
UC Santa Cruz
EPP/MSI Intern

GOMO celebrates their two outstanding undergraduate interns, Diego Rivera and Kelli Ong. These students were wonderful additions to the GOMO team this summer, and made significant contributions to GOMO projects. Diego's research focused tide gauge technologies for the Federated States of Micronesia, and Kelli created web pages to promote data access for the Arctic Research Program. [Read more about Diego and Kelli.](#)

News from Around NOAA

- [Landmark study analyzes global ocean carbon storage over two decades, indicates weakening of ocean carbon sink](#)
- [NOAA, NASA spearheading massive air quality research campaign this summer](#)
- [Biden-Harris Administration announces \\$106 million in recommended funding for West Coast and Alaska salmon recovery](#)
- [Biden-Harris Administration announces \\$60 million funding opportunity to help create a Climate-Ready workforce as part of the Inflation Reduction Act](#)

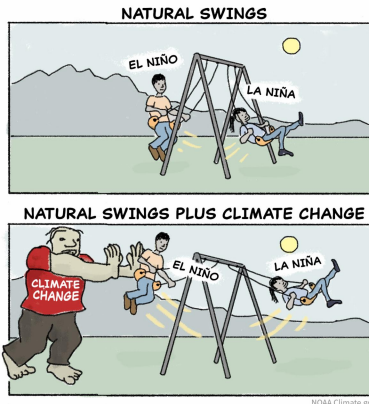


- [NOAA launches new hurricane forecast model as Atlantic season starts strong](#)
- [NOAA Fisheries releases first-ever National Seafood Strategy](#)

ICYMI: In Case You Missed It!

GOMO Arctic Research Program Web Page Gets a Facelift

A new web page for GOMO's Arctic Research Program (ARP) went live in early August. The new page features information on the program's research, cruises, data and leadership, as well as the importance of Arctic ocean, sea ice, and ecosystem observations. In addition, with the help of GOMO's summer intern Kelli Ong, 12 new [project data pages](#) are also live. Check out the new web page [HERE!](#)



Climate.gov Guest Blog by PMEL's Mike McPhaden

Mike McPhaden, a senior scientist at NOAA Pacific Marine Environmental Laboratory, authored a guest post recently published on on Climate.gov. The article, "[Has climate change already affected ENSO?](#)", discusses a [recent paper](#) by Wenju Cai (CSIRO) that reveals 10% greater amplitude of ENSO variations since the 1960s using sea surface temperature records from the tropical Pacific. McPhaden writes, "Combined with other ways global warming has affected ENSO impacts, this amplified cycle translates into more extreme and frequent ENSO-linked droughts, floods, heat waves, wildfires, and severe storms..."

Recent Publications

- Friedlingstein et al. (2023). Global Carbon Budget 2022. *Earth System Science Data Discussions*, 2022, 1-159. <https://doi.org/10.5194/essd-14-4811-2022>
- Kappel et al. (2023). Frontiers in Ocean Observing: Emerging Technologies for Understanding and Managing a Changing Ocean. *Oceanography* 36(Supplement 1). <https://doi.org/10.5670/oceanog.2023.s1>
- May & Bourassa (2023). Atmospheric Dynamic Response to Coupling Currents to Wind Stress over the Gulf Stream. *Atmosphere*, 14(8), 1216. <https://doi.org/10.3390/atmos14081216>
- Nagano et al. (2022). Coupled atmosphere-ocean variations on timescales of days observed in the western tropical Pacific warm pool during mid-March 2020. *J. Geophys. Res.*, 127, e2022JC019032. <http://doi.org/10.1029/2022JC019032>
- McPhaden & Karamperidou (2023). [Ambushed in Paradise: La Niña Brought Deadly Drought to a Tropical Eden](#). *BAMS Digital Editions Cover Story*, June 2023.
- Reeves et al. (2023). Saildrone direct covariance wind stress in various wind and current regimes of the tropical Pacific. *J. Atmos. Oceanic Technol.*, 40, 503-517. <https://doi.org/10.1175/JTECH-D-22-0077.1>
- Tozuka et al. (2023). Role of mixed layer depth in Kuroshio Extension decadal variability. *Geophys. Res. Lett.*, 50, e2022GL101846. <https://doi.org/10.1029/2022GL101846>

- Weller et al. (2022). Ocean Reference Stations: Long-Term, Open-Ocean Observations of Surface Meteorology and Air–Sea Fluxes Are Essential Benchmarks. *BAMS*, 103(8), E1968-E1990. <https://doi.org/10.3390/atmos14081216>

[About Us](#) | [The Ocean](#) | [Research](#) | [Education](#) | [News](#)

GOMO's mission is to provide and support high quality global ocean observations and research to improve our scientific understanding and inform society about the ocean's role in environmental change.



NOAA
GLOBAL OCEAN
MONITORING & OBSERVING

1315 East-West Highway
Silver Spring, MD 20910
+1 (301) 427-2472



NOAA Global Ocean Monitoring and Observing | 1315 East-West Highway, gomo@noaa.gov,
Silver Spring, MD 20910

[Unsubscribe](#) jessica.mkitarian@noaa.gov

[Update Profile](#) | [Constant Contact Data Notice](#)

Sent by patrina.adams@constantcontact.com powered by



Try email marketing for free today!