

Department of Ocean Sciences (OCE)

Bi-Weekly Newsletter

July 20, 2026

OCE Publications

- **Tuchen, F. P.**, Brandt, P., Hummels, R., Llido, J., Gasparin, F., & Rousselot, P. (2026): Data product of full-depth current velocity observations at 0°N, 23°W from 2001-2025 (v3.0), *PANGAEA World Data Center*, <https://doi.pangaea.de/10.1594/PANGAEA.996117>

Media Presence and Outreach Activities

- News@TheU featured a fantastic article about the two Keymester courses Microbial Geochemistry (**Dr. Popendorf**) and Observing the Ocean (**Dr. Bif**). Read “A Classroom Afloat” to learn how students gained hands-on experience conducting oceanographic research at sea: <https://news.miami.edu/stories/2026/07/a-classroom-afloat.html>
- **Philip Tuchen** was featured in an article in “The Hill” on a potentially developing Atlantic Niña event: <https://thehill.com/policy/energy-environment/5975492-rare-la-nina-may-form-in-the-atlantic-at-the-same-time-as-this-years-super-el-nino/>

Meetings / Conferences / Workshops / Seminars

- Professor **Mari Bif** presented a webinar for the Royal Society of Chemistry titled “*Marine Chemistry in a Warming World: Preserving Earth’s Largest Natural Buffer*”. The recorded webinar is available through *Chemistry World*: <https://www.chemistryworld.com/webinars/marine-chemistry-in-a-warming-world-preserving-earths-largest-natural-buffer/4023606.article>

- **Roland Romeiser's** ATM student **Victoria Pizzini** attended the NASA summer school "Using Satellite Observations to Advance Climate Models" at the NASA Jet Propulsion Laboratory in Pasadena, CA, in the week of July 13-17.

Field work

- **Eduardo Jardim, Joe Bretl, and Cedric Guigand** pulled into port in Reykjavik on July 16th and will be returning to Miami this week! Eduardo treated the OOI and NIOZ (Netherlands) scientists, and Armstrong crew to a Brazilian BBQ!



- The BIF Lab conducted field operations aboard the R/V Walton Smith on Tuesday, July 14. **Mari Bif, Rachel Bramblett, Sophia Peterson, and Jom Lamoont** collected hundreds of liters of seawater, which were then filtered and processed for dissolved organic carbon and total nitrogen analyses in support of the NSF-funded Consensus Reference Material Program. The cruise also supported a pilot experiment led by Dr. Amanda Oehlert, Associate Professor in the Department of Marine Geosciences, and her research team. Their work aims to observe marine ichthyocarbonate particles in situ and improve understanding of their distribution and abundance in the open ocean. These tiny carbonate particles, produced by marine fish, may play an important role in the ocean's carbon cycle, yet much remains unknown about them. The BIF Lab is delighted to support this exciting carbon-cross collaboration!



Marine biogeochemists and geochemists unite! :)