Workshop
Underway pCO_2 measurements on Ships: the General Oceanics systems and data processing.

We are pleased to announce a technical workshop in Miami focusing on the operation and data processing of General Oceanics pCO_2 systems. This workshop is designed for researchers, technicians, and students interested in principles and hands-on experience of automated measurement of oceanographic surface water carbon dioxide. The workshop is in support of the surface water CO_2 network (www.soconet.info).

Organizers:

The workshop is supported by NOAA Global Ocean Monitoring and Observing program (GOMO). It is organized by:

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Key Details

- **Dates:** Tuesday, March 10–Thursday, March 12, 2026
- **Location:** Rosenstiel School of Marine, Atmospheric & Earth Sciences, University of Miami, 4600 Rickenbacker Causeway, Miami, FL, 33149 USA
- **Attendance Options:** Participants can register for the hands-on section, the data processing section, or the entire workshop.
- **Remote Access:** The data processing section will be available online for remote participants.
- **Capacity:** The hands-on section is limited to approximately **16 in-person** people. The data processing section can accommodate **50+ in-person** participants.
- **Travel Funds:** Limited travel funds are available for participants located at a US institution who apply.

Agenda

The workshop is divided into two halves:

Part 1: Hands-on System Operation (March 10–11, 2026)

This session will provide practical experience with General Oceanics pCO_2 systems.

- **Focus:** Learn the practical skills needed for installing, operating, maintaining, and troubleshooting the pCO_2 systems.
- **Format:** Hands-on training in a lab setting.
- **Capacity:** Given the practical nature of this part, attendance is capped at approximately 16 in-person participants due to space limitations.

Part 2: Data Processing and Analysis (March 11–12, 2026)

This session will focus on the essential steps of processing and analyzing the data collected from the pCO_2 systems.

- **Focus:** Master the software and techniques required to turn raw data into usable results, including quality control and data visualization. Although general considerations will be discussed, the data processing will be illustrated using the AOML Matlab software. The software is freely available, either as a compiled version for Macs or PCs, or not compiled for people with a Matlab license. It is recommended to install the software prior to the workshop. Emphasis will be placed on meeting submission requirements for SOCAT.
- **Format:** Can be attended in person or **remotely online**. Details of the connection will be provided closer to the start of the workshop.

Registration

To register your interest and receive updates about the specific venue and application process for travel funds, please fill in this google form (or email the organizers). Early registration is recommended, especially for the hands-on portion due to limited space.

We look forward to seeing you there!

Leticia and Denis