

Newsletter

Fall 2024 | Issue 3

Data Products



GEOTRACES Intermediate Data Product 2025 (IDP2025)

- ❖ **December 15, 2024 - Final deadline** for the submission of datasets to GDAC (or national data centers) using DOR templates and completed intercalibration reports via DOR to guarantee inclusion in IDP2025.

✓ [Check](#) the timeline for IDP2025

- ❖ How to make sure your data are included in IDP2025?

✓ [Check](#) the IDP flowchart

GEOTRACES Intermediate Data Products 2021v2 (IDP2021v2)

The [IDP2021v2](#) is available for:

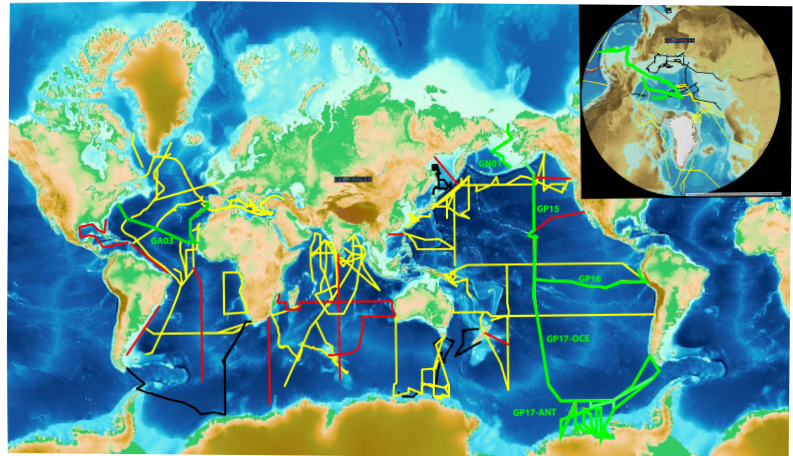
- ❖ [bulk download](#)
- ❖ [subset via webODV](#)

In addition,

- ❖ analyze, explore and visualize the data online with [WebODV Explore](#)
- ❖ overview relevant tracers with section plots, 3D animations) with the [eGEOTRACES Electronic Atlas](#)

Future GEOTRACES Intermediate Data Products

- ❖ *Tentative: IDP2028; deadline for dataset submission, 2027.*
- ❖ IDP2031: last GEOTRACES data product anticipated for release in November 2031; final data submission deadline: December 15, 2030.



U.S. GEOTRACES Section Cruises. Original figure from [GEOTRACES Interactive World Map](#) modified to highlight the U.S. GEOTRACES sections in green. In red: Planned Sections. In yellow: Completed Sections. In black: Sections completed as GEOTRACES contribution to the International Polar Year.

From Section Cruises to Process Studies

[GPI7-ANT](#) marks the completion of the last section cruise for the U.S. GEOTRACES program. Check out some highlights from the cruise in a recent [EOS article](#). We also celebrated the 20th anniversary of the program, which was featured in a recent [TOS issue](#). On the map above, all completed U.S. section cruises are highlighted in green; for more details, please visit [our site](#). As the program transitions to a focus on process studies, as outlined in the [Science Plan](#), we will continue to support synthesis studies while encouraging the community to propose new project ideas. The [Scientific Steering Committee](#) (SSC) is available to provide guidance and feedback based on its experience in supporting the [GEOTRACES mission](#) and initiatives that align with its mission and goals. Looking ahead to 2031, we're excited about two new process studies: STEEP, focused on the West Coast margin off Oregon and planned for submission to NSF by February 15, 2025, and STREAM, with fieldwork planned in the Gulf of Mexico for 2026, submitted to NSF on August 15, 2024. We look forward to hearing from the community about your plans for future process studies. For more information, please reach out to the [Project Office](#); we will collaborate with the SSC as needed.

Synthesis

We encourage the scientific community to develop integrative synthesis studies, both global and regional, that link the chemical, biological and physical components along with modeling efforts that effectively incorporate the available data sets from GEOTRACES and other ocean programs. For more recent works and more Synthesis Publications please check our [Database](#).

Survey

The NOBIAS CHELATE-PA1 resin is a critical material for trace element work. Your input will help us advocate for the continued availability of this product and explore potential alternatives. Please complete this [short survey](#) by October 31, 2024.

Faculty positions in Chemical Oceanography

- **Columbia University:** tenure-track Assistant Professor position in Oceanography. Department of Earth and Environmental Sciences. [Link](#) to information and application. *Review of applications will begin November 4, 2024.*
- **Florida State University:** Assistant Professor. Department of Earth, Ocean and Atmospheric Science. [Link](#) to information. Applications should be submitted to job opening # 58754. *Review of applications will begin November 15, 2024.*

Contributions

If you would like to contribute to the content of our next issue or share educational materials for the [Educational Resources](#) page on our website, please send us an [email](#).

Contact us

U.S. GEOTRACES Project Office
Lamont-Doherty Earth Observatory
Comer 231, 61 Route 9W
Palisades, NY 10964 U.S.
Email: geotraces@ldeo.columbia.edu
Web: <https://usgeotraces.ldeo.columbia.edu>

Twenty Years of GEOTRACES



Cover of the *Oceanography* Special Issue on the **20th Anniversary of the GEOTRACES program**. Deployment of the "trace metal clean" rosette at 78°N from USCGC Healy as part of the 2015 US GEOTRACES GN01 cruise to the Arctic Ocean. Photo credit: Katlin Bowman Adamczyk, US Geological Survey.

A special issue of *TOS* magazine celebrates this milestone. Be sure to check it out [here](#)! Congratulations to everyone who made this possible, and thank you for your contributions to the program!

GEOTRACES Conferences, Workshop and Schools

- ♦ **AGU annual meeting:** December 9-13, 2024, in Washington, DC.
- ♦ **GEOTRACES related sessions:**
 - **OS23H:** *Trace Element Distribution and Cycling Across Ocean Basins III* Oral. Tuesday, December 10, 14:10-15:40. 146 A (Convention Center).
 - **OS21H:** *Trace Element Distribution and Cycling Across Ocean Basins I* Poster. Tuesday, December 10, 08:30-12:20. Hall B-C (Convention Center).
 - **OS21I:** *Trace Element Distribution and Cycling Across Ocean Basins II* Poster. Tuesday, December 10, 08:30-12:20. Hall B-C (Convention Center).
 - **OS44B:** *Disentangling Hydrothermal Impacts on Ocean Biogeochemistry II* Oral. Thursday, December 12, 16:00-17:30. 147 B (Convention Center).
 - **OS41H:** *Disentangling Hydrothermal Impacts on Ocean Biogeochemistry I* Poster. Thursday, December 12, 08:30-12:20. Hall B-C (Convention Center).
- ♦ **Standards and Intercalibration Committee Meeting:** March 3-7, 2025, Alaska.
- ♦ **Data Workshop GP17-OCE:** Week of March 10, 2025, likely at Texas A&M University. Exact dates and venue forthcoming.
- ♦ **Synthesis Meeting:** July 1-4, 2025, in Bremen, Germany. Topics to be discussed will be announced soon.
- ♦ **Summer School:** November 2025. Final dates and venue are pending, but the event will be held in South Africa.

The Project Office has funding available to support travel for participants from U.S. institutions attending the Synthesis Meeting or Summer School.

The U.S. GEOTRACES Program is supported by the National Science Foundation ([NSF](#)) and the Scientific Committee on Oceanic Research ([SCOR](#)).