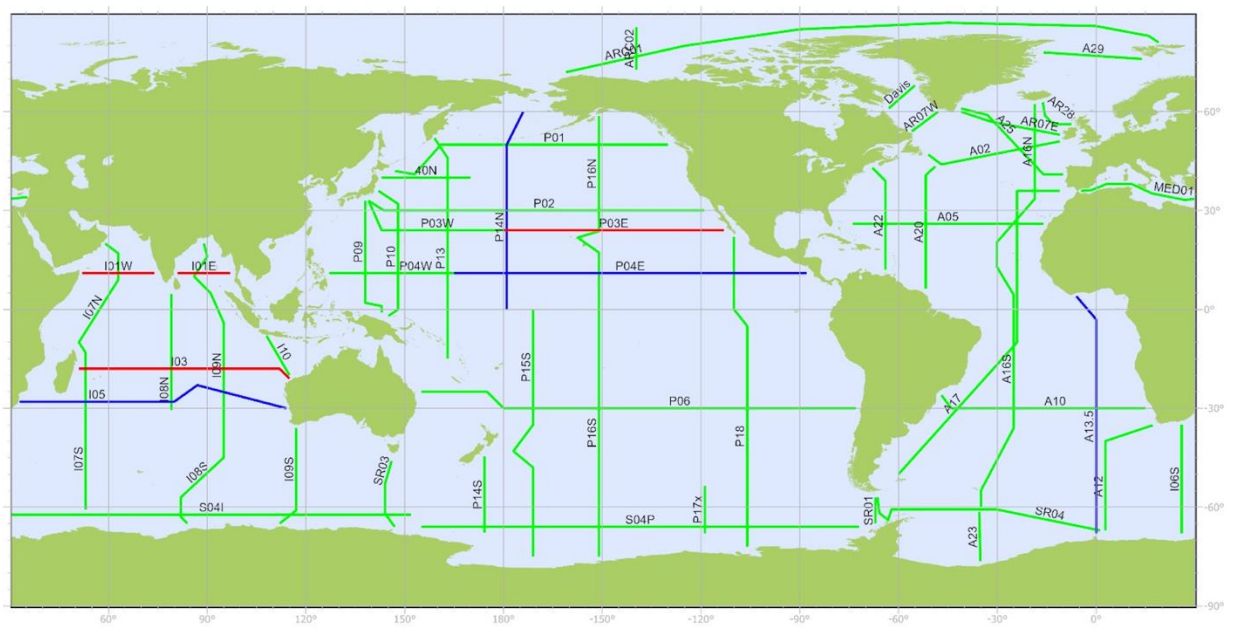


GOOS Network Name: GO-SHIP

Prepared/submitted by Elaine McDonagh, Leticia Barbero, Martin Kramp

1. Highlight the key network successes
 - 3rd decade of GO-SHIP reference sections completed in 2023, 4th decade of observations began in 2024. Only 3 sections unoccupied (and unfunded) in 3rd survey (red lines).



GO-SHIP

Status of 2012-2023 Survey (55 Core Lines)

October 2023

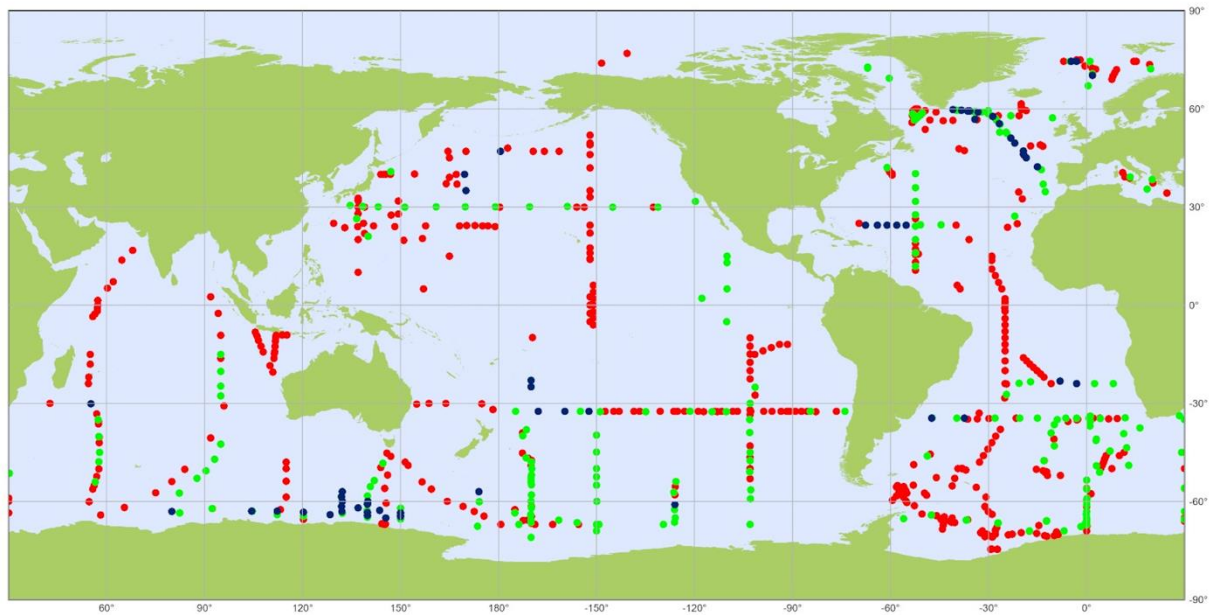


— completed (47) — funded (4) — not planned yet (5)
— at sea (0) — planned (0)



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Projection: Plate Carree (-150,0000)

- /09N is currently underway
- 840 Argo floats deployed from GO-SHIP cruises during 3rd decade of GO-SHIP reference sections



Launch location of 840 Argo floats deployed by the 3rd decadal GO-SHIP survey (01/2012 to 01/2023)



- Deep Argo floats (71)
- BGC Argo floats (289)
- Core Argo floats (480)



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Projection: Plate Carree (-150,0000)

2. How has the network advanced across the OCG Network Attribute areas
 - No change in OCG attribute areas
3. Future Plans and Opportunities - at network and/or cross-network OCG level
 - An updated version of the 2016 Talley et al GO-SHIP review paper has been drafted and a proposal has been made to the Annual Review of Marine Science to include it in their next volume.
 - Presenting GO-SHIP at OOSC in Nice in June 2025. Also exploring participating at the UNOC meeting that takes place the following week.
 - planning is ongoing for the delayed A16S to take place late in 2025-early 2026.
4. Challenges and Concerns - at network and/or cross-network OCG level

Uncertainty about the level of sustained support for the US component and potential for disruptions in the decadal occupations if shiptime/personnel are not secured due to

budgetary concerns and loss of scientific expertise. The US GO-SHIP is scheduled to submit their next proposal in 2026, for the period covering 2027-2033. An additional challenge could be the limitation for scientific interactions for US federal partners. They are as of today not allowed to travel to international meetings and require authorization to participate remotely.

5. Asks from OCG (Exec, networks, OceanOPS, and/or GOOS) and any priority topics that should be addressed at OCG-16

6. Recent publications, articles, etc. (if you want to share)

Additional considerations:

- What requirements do you base your system design/completeness on - e.g. for the report card? Are you utilizing / are responsive to any requirements from e.g., GCOS, WMO RRR? If yes, what and how?
 - System design is based on scientific requirement to measure heat, carbon and other water mass properties in each deep basin in the global ocean.
 - Completeness based on number of reference sections occupied.
- What would you like to see in OceanOPS 2026-2030 strategic plan?
- Questions for other networks, networks specific questions for discussion at the session, and highlight cross OCG questions for discussion next day session
- What are your links to the Ocean Decade? (List programs etc. you are involved in)
 - GO-SHIP Evolve