

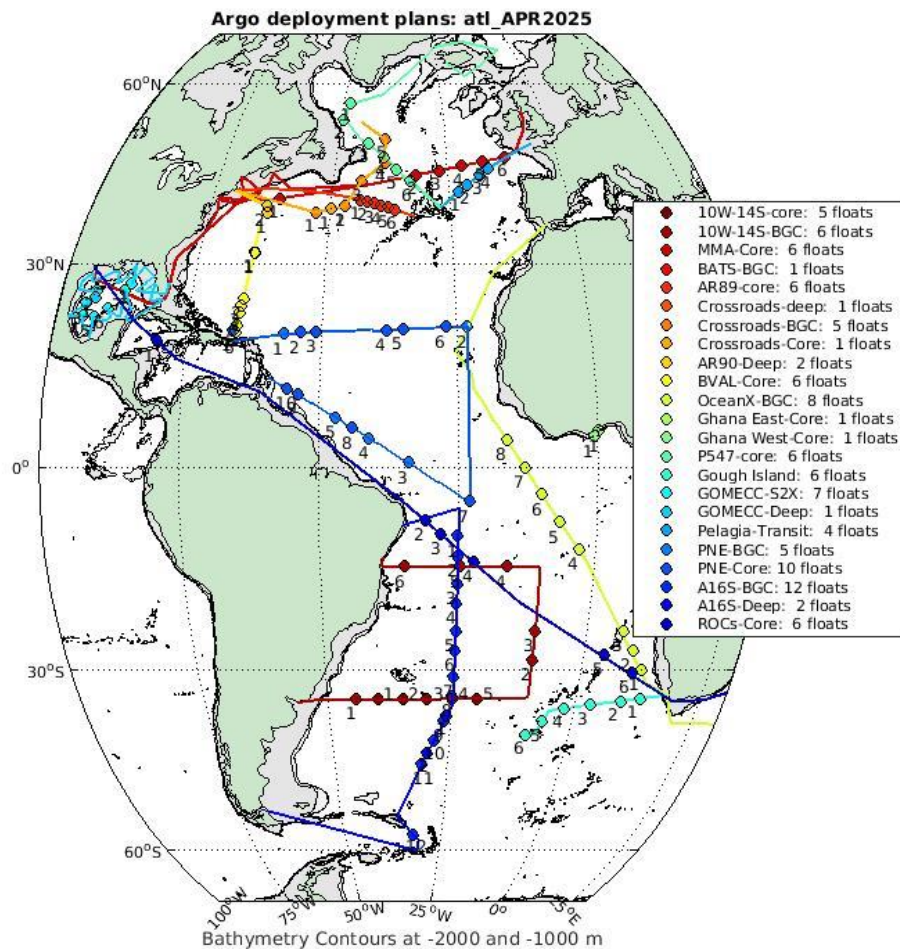
WHOI OneArgo Deployment Plans

April 2025

Updated plans and deployment manuals at <https://argo.whoi.edu/argo/deployment/>

Contacts: Deb West-Mack (dwest@whoi.edu), Pelle Robbins (probbins@whoi.edu), Aidan Thayer (aidan.thayer@whoi.edu)

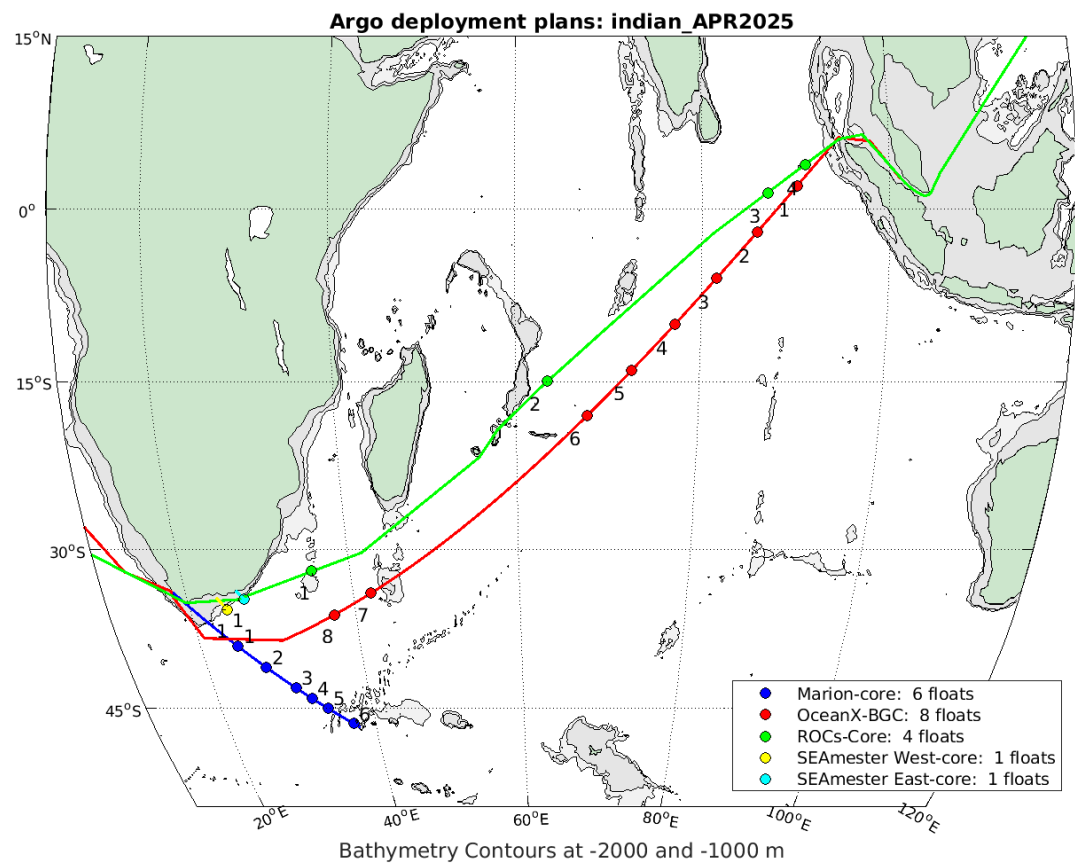
Atlantic Ocean



WHOI Argo:17-Apr-2025

Core : 58
BGC : 37
Deep : 6
S2X : 6

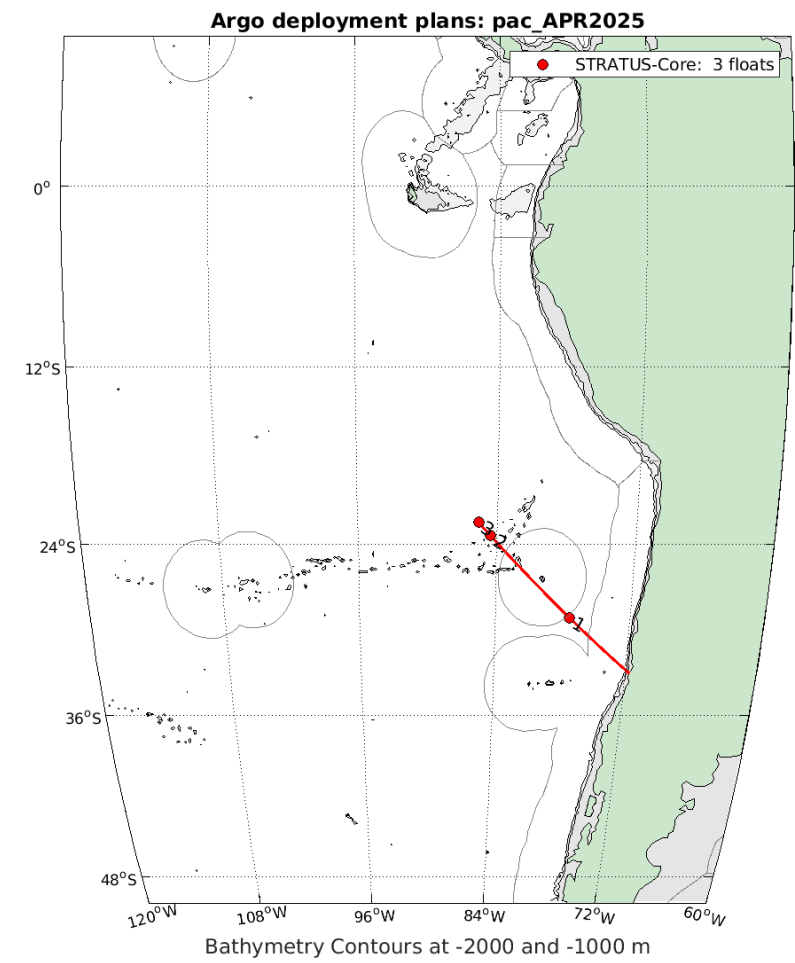
Indian/Southern Ocean



WHOI Argo:17-Apr-2025

Core : 12
BGC : 8
Deep: 0

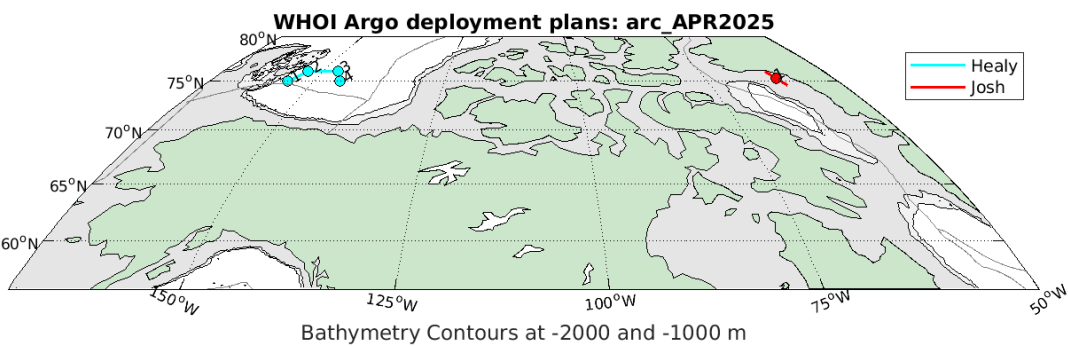
Pacific Ocean



WHOI Argo:18-Apr-2025

Core : 3
BGC : 0
Deep: 0

Arctic Ocean



Core : 5
BGC : 0
Deep: 0

In Motion

- *S.A. Agulhas II – Marion Island Cruise*
- *R/V Hesperides – 10W-14S*

Planned

- *TS Kennedy – MMA Summer Training*
- *RV Explorer – BATS May*
- *RV Armstrong – AR89*
- *R/V Revelle – Crossroads*
- *R/V Armstrong – AR90*
- *RV Explorer – BVAL June*
- *RV Ocean Explorer – June Cruise*
- *S.A. Agulhas II – SEAmester Cruise*
- *RV XXX – Ghana 2025 Cruise*
- *RV Pelagia – P547*
- *RV Healy – Arctic*
- *S.A. Agulhas II – Gough Island*
- *R/V Pelagia – transit from Azores to Texel*
- *R/V Brown – GOMECC*
- *MV National Geographic Endurance*
- *R/V Brown – PNE*
- *R/V Brown – A16S*
- *RV Polarstern – PS151*
- *RV Cabo de Homos – STRATUS*
- *MV Energos – ROCs*

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Float Inventory

Total: 135 Core: 78 BGC: 45 Deep: 6 S2X: 6

Loaded in Cape Town, South Africa on the R/V S.A. Agulhas II for the Marion Island Cruise:

6 WHOI Core floats:

Serial numbers: 2016, 2017, 7938, 7939, 7973, 11682

Loaded in Montevideo, Uruguay on the R/V Hesperides:

5 WHOI core floats:

Serial numbers: 2001, 2002, 7971, 7992, 11500

6 WHOI Navis BGC floats:

Serial numbers: 1586, 1644, 1647, 1649, 1662, 1663

To be loaded in Galveston, Texas on the TS Kennedy for the MMA Summer Training Cruise:

6 WHOI Core floats:

Serial numbers: 2003, 2011, 7965, 7968, 7970, 7978

To be loaded in St. George’s, Bermuda on the R/V Explorer for the May BATS cruise:

1 S2-BGC float:

Serial number: 4007

To be loaded in Woods Hole on the R/V Armstrong for the AR89 cruise:

6 WHOI core floats:

Serial numbers: TBD

To be loaded in Woods Hole on the R/V Revelle for the Crossroads cruise:

1 WHOI core floats:

Serial numbers: 7988

5 WHOI BGC floats:

Serial numbers: 1555, 1641, 1643, 1652, 1661

1 WHOI Deep float:

Serial numbers: 12099

To be loaded in Woods Hole on the R/V Armstrong for the AR90 cruise:

2 WHOI Deep floats:

Serial numbers: 12098, 12100

To be loaded in St. George's, Bermuda on the R/V Explorer for the June BVAL cruise:

1 RBR/DO float:

Serial number: 11060

5 WHOI core floats:

Serial numbers: TBD

To be loaded in Gibraltar on the Ocean Explorer for the XXX Cruise:

16 WHOI BGC floats:

Serial numbers: TBD

To be loaded in Cape Town, South Africa on the R/V S.A. Agulhas II for the SEAmester Cruise:

2 WHOI Core floats:

Serial numbers: 7925, 7937

To be loaded in Accra, Ghana on the R/V XXX for the Amala's Cruise:

2 WHOI Core floats:

Serial numbers: TBD

To be loaded in Reykjavik on the R/V Pelagia for the P547 cruise and transit:

6-10 WHOI Core floats:

Serial numbers: TBD

To be loaded in XXX on the R/V XXX for the Arctic cruise:

4 WHOI Core floats:

Serial numbers: TBD

To be loaded in Reykjavik on the MV Endurance for the Josh's cruise:

1 WHOI core:

Serial numbers: TBD

To be loaded in Cape Town, South Africa on the R/V S.A. Agulhas II for the Gough Island Cruise:

6 WHOI Core floats:
Serial numbers: TBD

To be loaded in southeast USA on the R/V Brown for the GOMECC cruise:

6 WHOI S2X floats:
Serial numbers: TBD
1 WHOI Deep float:
Serial numbers: TBD

To be loaded in southeast USA on the R/V Brown for the PNE cruise:

10 WHOI core floats:
Serial numbers: TBD
5 WHOI BGC floats:
Serial numbers: TBD

To be loaded in Miami on the R/V Brown for the A16S Cruise:

12 WHOI Navis BGC floats:
Serial numbers: TBD
2 WHOI Deep Solo floats:
Serial numbers: TBD

To be loaded in Bremerhaven on the R/V Polarstern for the P151 Cruise:

6 WHOI core floats:
Serial numbers: TBD

To be loaded in Valparaíso, Chile on the R/V Cabo de Hornos for the STRATUS cruise:

4 WHOI Core floats:
Serial numbers: TBD

To be loaded in Texas on an Energos ship for the ROCs Cruise:

10 WHOI core floats:
Serial numbers: TBD

All floats are equivalent and interchangeable within Class. e.g. any WHOI S2a Core float is the same as other WHOI S2A Core floats so it doesn't matter which specific float is deployed at each location – whichever is available (of appropriate type) at the top of the stack is fine.

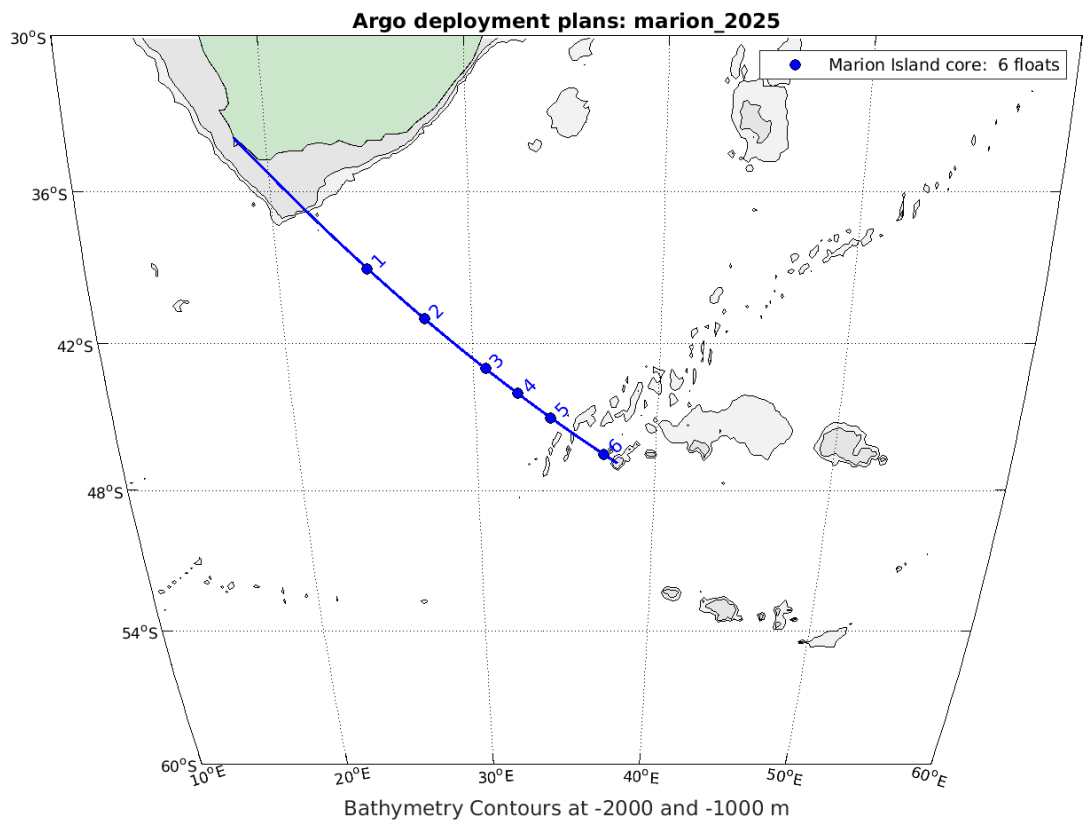
Deployment Reporting

After Float deployment please report the following to deploymentinfo@whoi.edu

1. Float #
2. Deployment Location (latitude and longitude)
3. Deployment Time (GMT)
4. Any issues or problems with the deployment water release, tangled lines, etc.

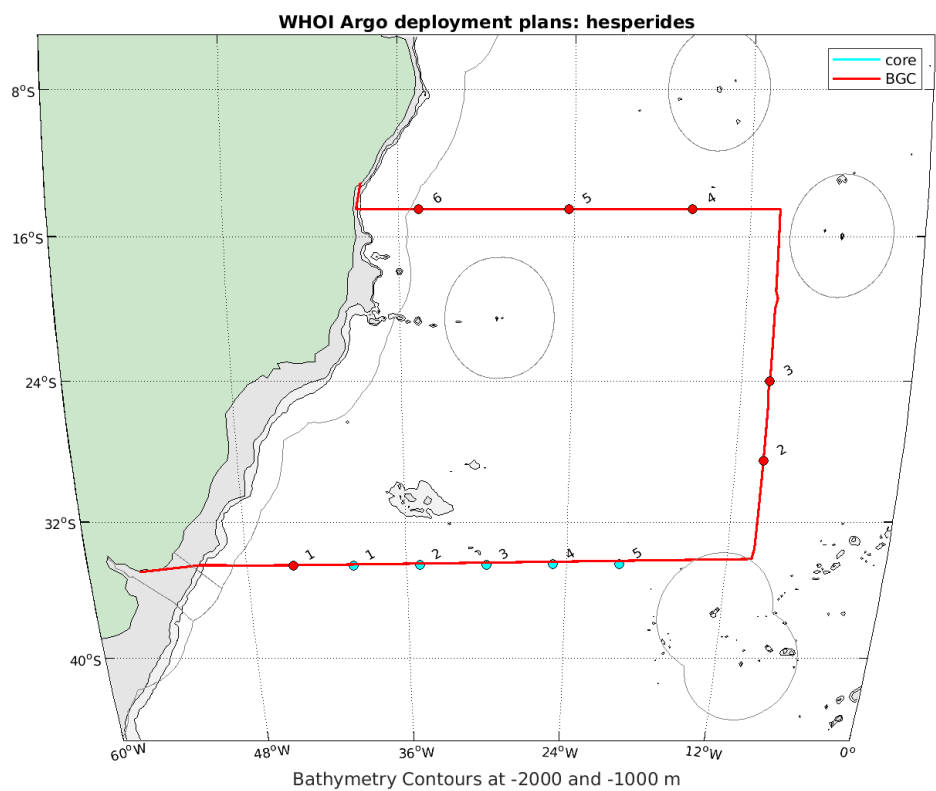
SA Agulhas II - Marion Island – April 2025

Index	Latitude	Longitude	Float Type	Comments
1	39.0° S	24.67° E	Core	Deploy by latitude.
2	41.0° S	27.51° E	Core	
3	43.0° S	30.64° E	Core	
4	44.0° S	32.34° E	Core	
5	45.0° S	34.14° E	Core	
6	46.5° S	37.09° E	Core	



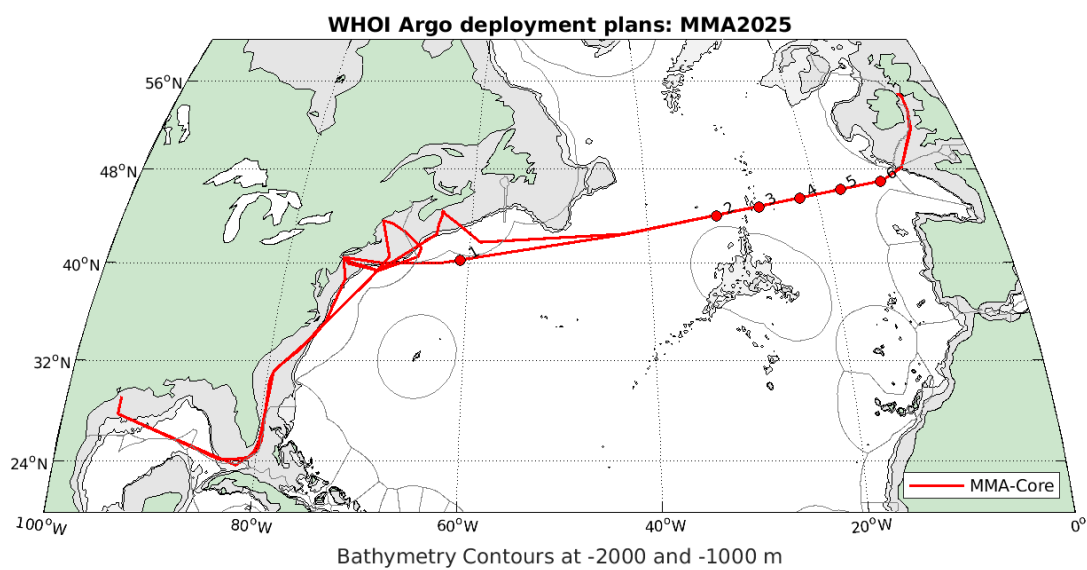
RV Hesperides - 10W-14S – April 2025

Index	Latitude	Longitude	Float Type	Station
1	34.5° S	44.5° W	BGC	Last test cast
2	34.5° S	40.0° W	Core	n/a
3	34.48° S	35.0° W	Core	n/a
4	34.46° S	30.0° W	Core	n/a
5	34.44° S	25.0° W	Core	n/a
6	34.42° S	20.0° W	Core	n/a
7	28.5° S	10.0° W	BGC	12
8	24.0° S	10.0° W	BGC	20
9	14.5° S	16.0° W	BGC	49
10	14.5° S	24.4° W	BGC	63
11	14.5° S	34.6° W	BGC	80



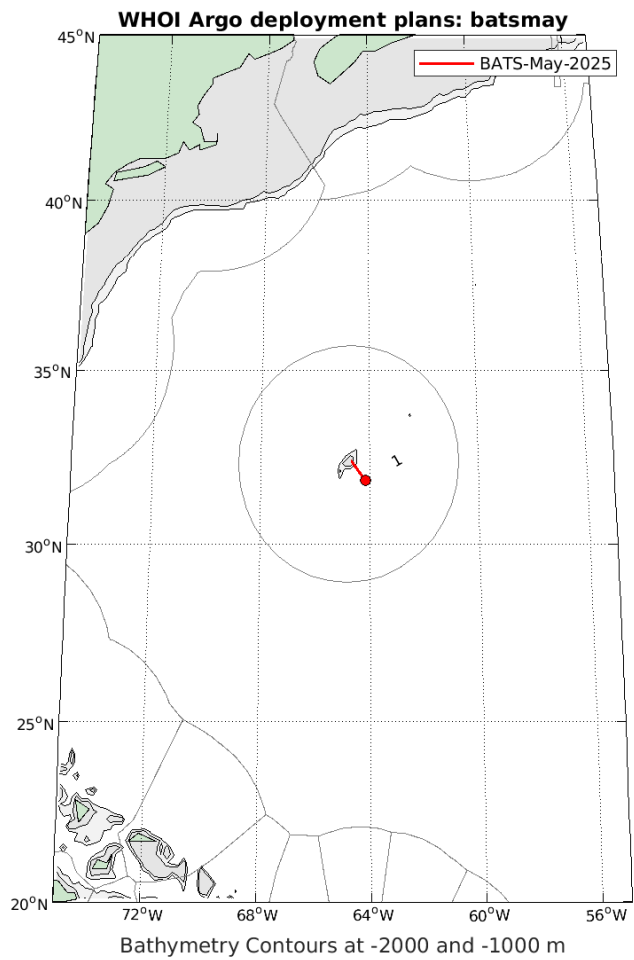
TS Kennedy – MMA Summer 2025 Training Cruise – May 2025

Index	Latitude	Longitude	Float Type	Comments
1	40.21° N	61.00° W	Core	Deploy by longitude
2	43.97° N	32.00° W	Core	
3	44.72° N	27.00° W	Core	
4	45.46° N	22.00° W	Core	
5	46.21° N	17.00° W	Core	
6	46.96° N	12.00° W	Core	



RV Explorer – BATS – June 2025

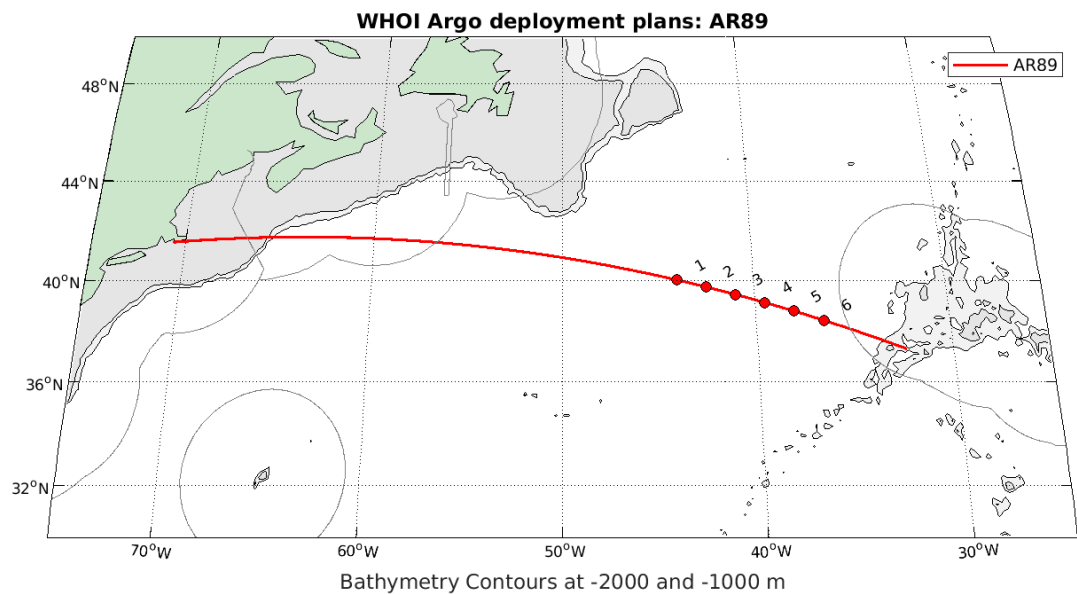
Index	Latitude	Longitude	Float Type	Comments
1	31.83° N	64.17° W	S2-BGC	Deploy at BATS station



WHOI Argo:14-Mar-2025

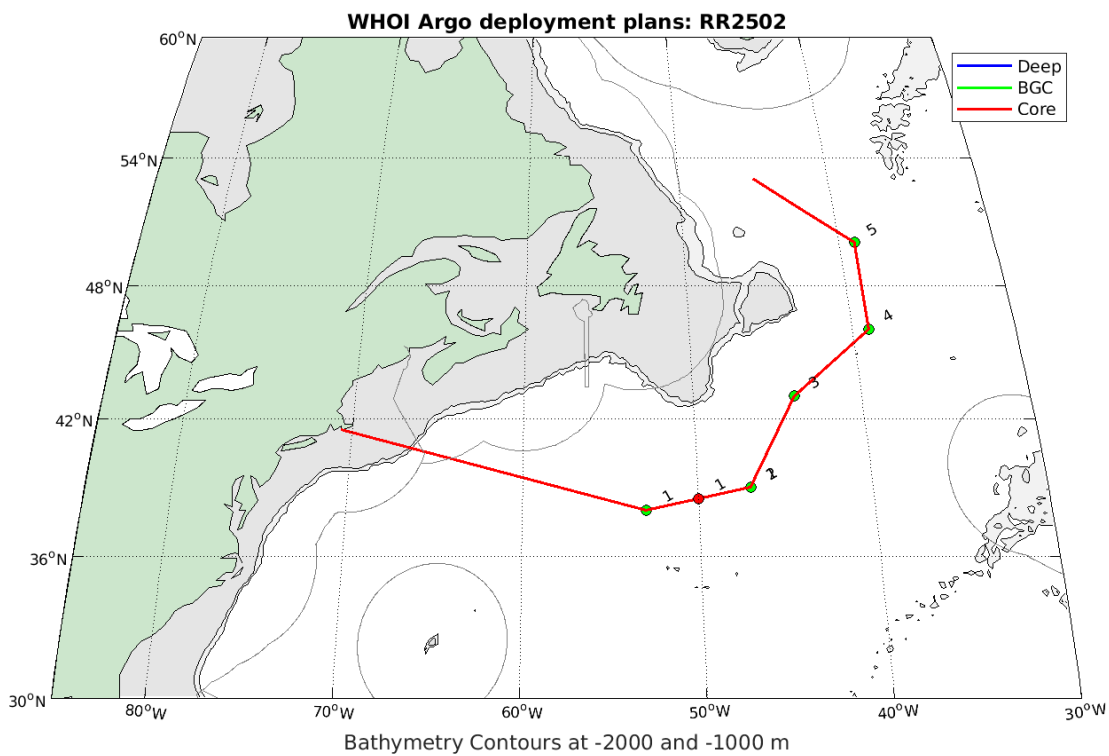
RV Armstrong – AR89 – May 6, 2025

Index	Latitude	Longitude	Float Type	Comments
1	40.01° N	44.00° W	Core	Deploy by longitude
2	39.74° N	42.50° W	Core	
3	39.44° N	41.00° W	Core	
4	39.12° N	39.50° W	Core	
5	38.78° N	38.00° W	Core	
6	38.41° N	36.50° W	Core	



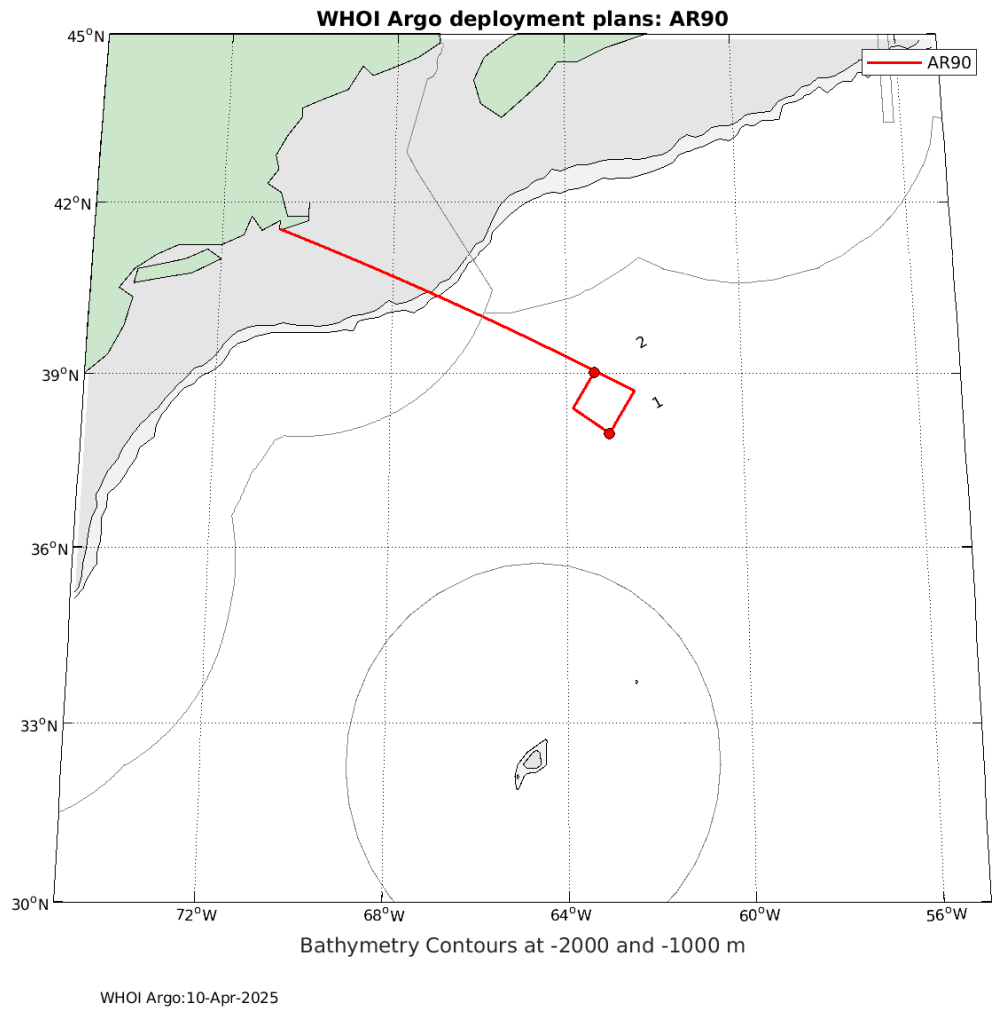
RV Revelle - RR2502 – Crossroads : May 9, 2025

Index	Latitude	Longitude	Float Type	Comments
1	38.0° N	53.0° W	BGC	
2	38.5° N	50.0° W	Core	
3	39.0° N	47.0° W	BGC	
4	39.0° N	47.0° W	Deep	
5	43.0° N	44.0° W	BGC	
6	46.0° N	39.0° W	BGC	
7	50.0° N	39.0° W	BGC	



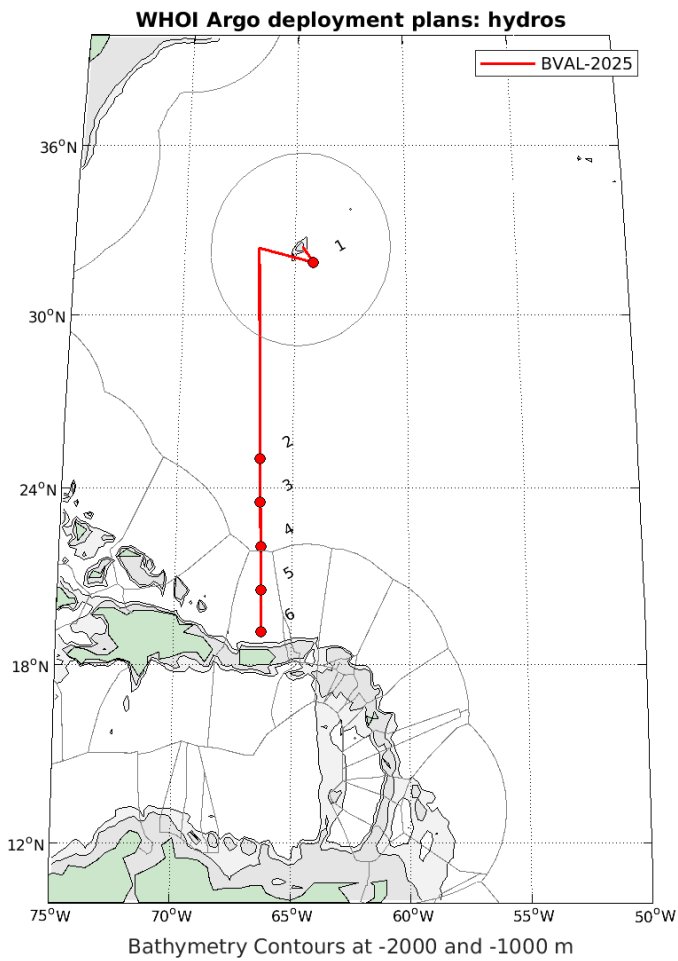
RV Armstrong – AR90 – June 9, 2025

Index	Latitude	Longitude	Float Type	Comments
1	37° 57.22' N	63° 01.59' W	Deep	Station SIO-S
2	39° 00.21' N	63° 22.16' W	Deep	Station SIO-N



RV Explorer – BVAL – June 2025

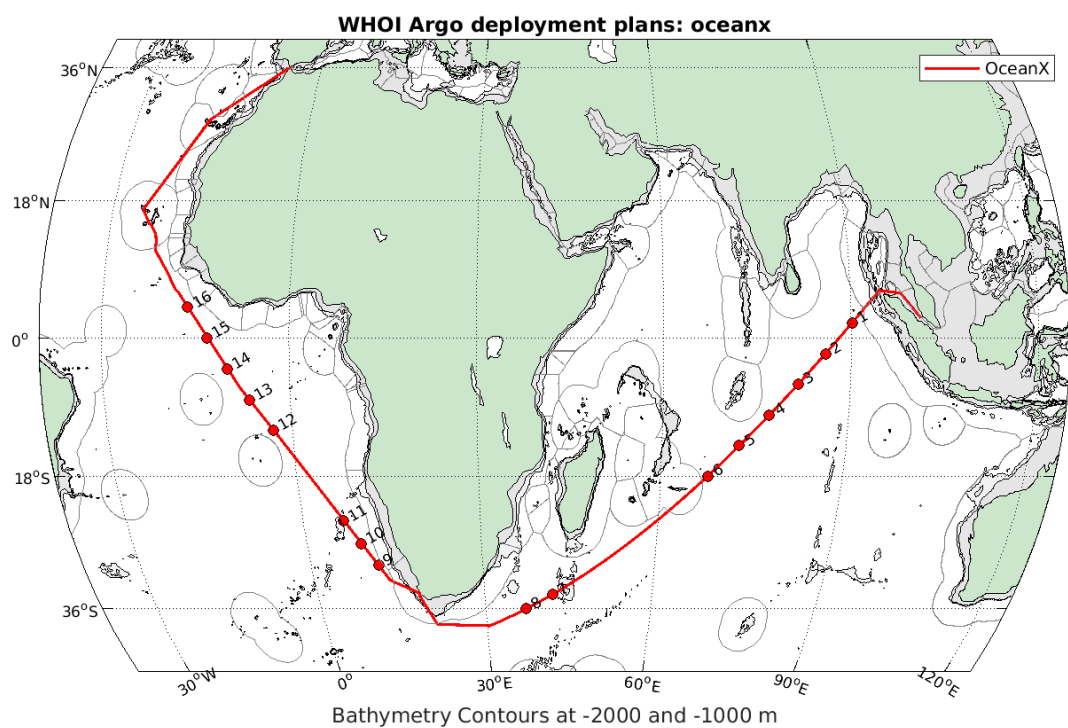
Index	Latitude	Longitude	Float Type	Comments
1	31.83° N	64.17° W	RBR/DO	BATS station
2	25.00° N	66.42° W	Core	Deploy by latitude
3	23.50° N	66.39° W	Core	
4	22.00° N	66.35° W	Core	
5	20.50° N	66.31° W	Core	
6	19.20° N	66.28° W	Core	



WHOI Argo:14-Mar-2025

Ocean Explorer – June 2025

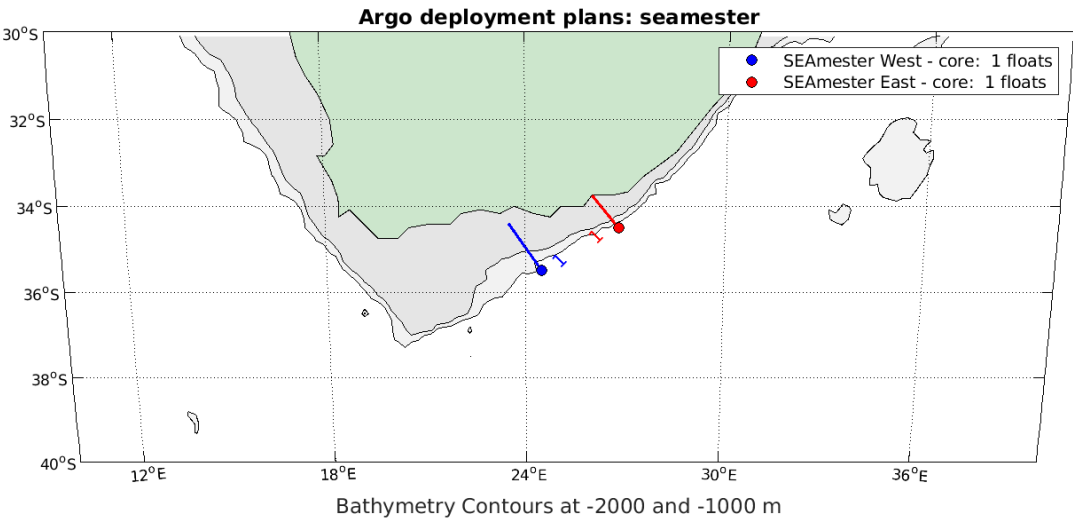
Index	Latitude	Longitude	Float Type	Comments
1	4.00° N	16.33° W	BGC	Deploy by latitude outside of EEZs.
2	0.00° N	13.14° W	BGC	
3	4.00° S	9.95° W	BGC	
4	8.00° S	6.62° W	BGC	
5	12.00° S	3.06° W	BGC	
6	24.00° S	6.85° E	BGC	
7	27.00° S	9.29° E	BGC	
8	30.00° S	11.73° E	BGC	
9	36.00° S	37.39° E	BGC	
10	34.00° S	42.15° E	BGC	
11	18.00° S	67.79° E	BGC	
12	14.00° S	72.63° E	BGC	
13	10.00° S	77.20° E	BGC	
14	6.00° S	81.60° E	BGC	
15	2.00° S	85.89° E	BGC	
16	2.00° N	90.15° E	BGC	



WHOI Argo:11-Apr-2025

SA Agulhas II - SEAmester – June 2025

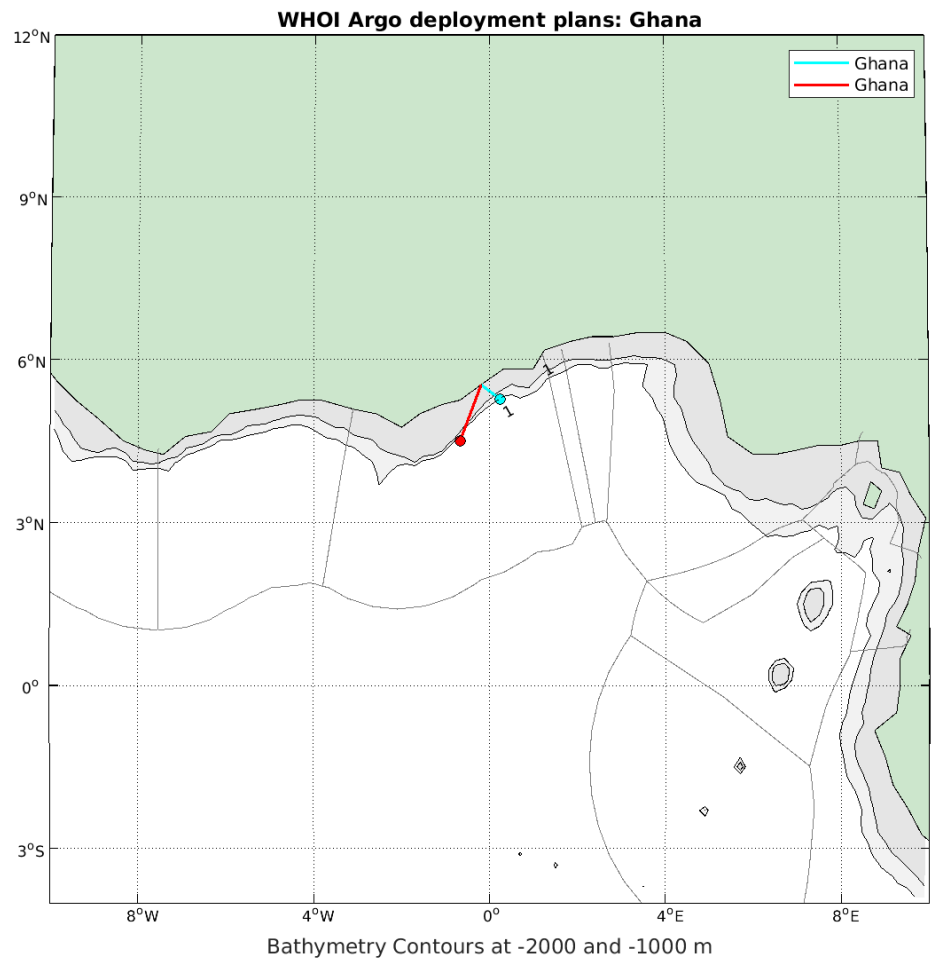
Index	Latitude	Longitude	Float Type	Comments
1	35.5° S	24.5° E	Core	Deploy in water deeper than 2000 m.
2	34.5° S	26.8° E	Core	



RV – Ghana 2025 – July 2025

Index	Latitude	Longitude	Float Type	Comments
1*	5.27° N	0.25° E	Core	Deploy by latitude and depth.
2*	4.50° N	0.67° W	Core	

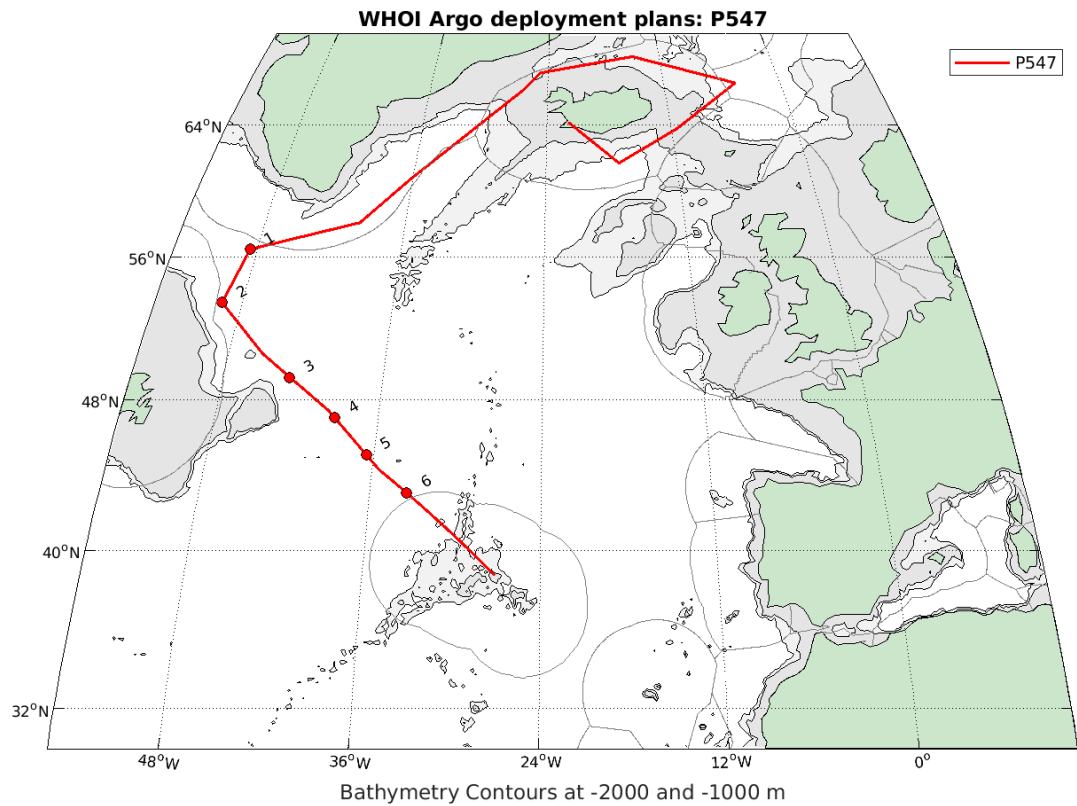
*Nominal location



WHOI Argo:16-Apr-2025

RV Pelagia – P547 – July 2025

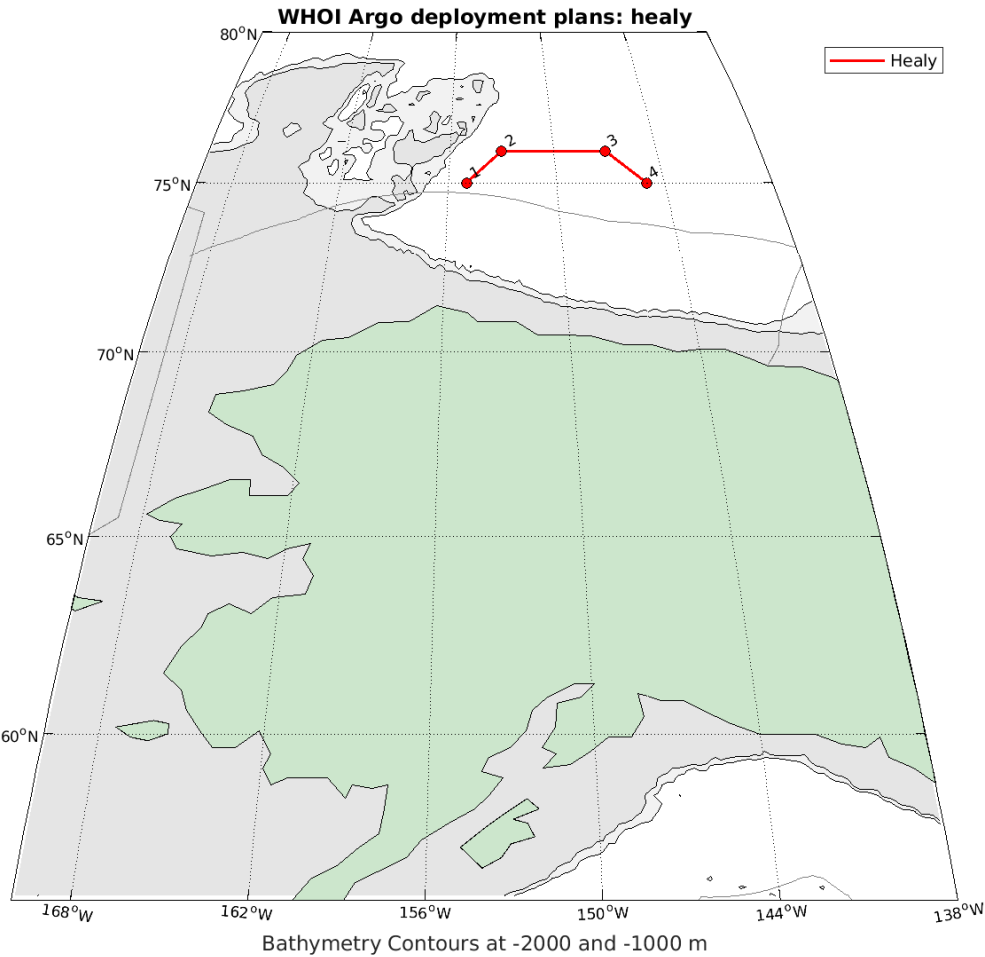
Index	Latitude	Longitude	Float Type	Comments
1	56.44° N	48.60° W	Core	Station 10
2	53.38° N	49.61° W	Core	Station 11
3	49.20° N	43.02° W	Core	
4	47.00° N	39.18° W	Core	
5	45.00° N	36.53° W	Core	
6	43.00° N	33.41° W	Core	



RV Healy – Arctic – August 2025

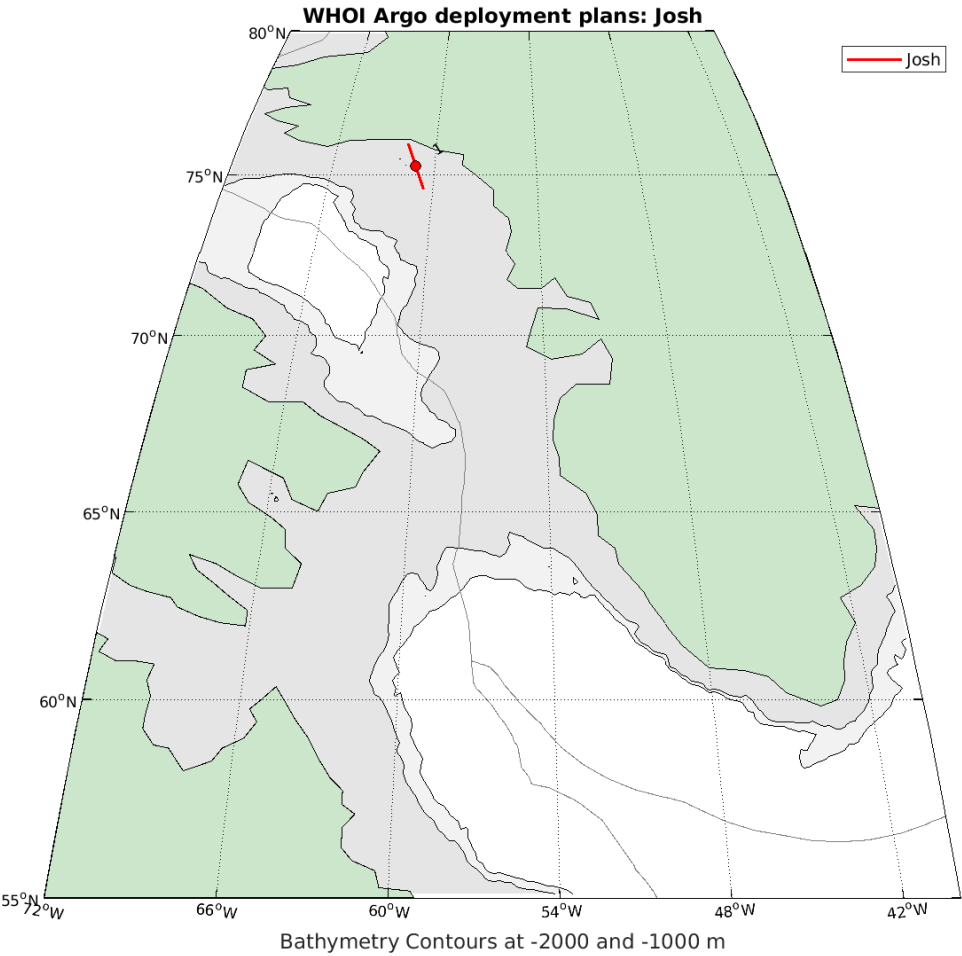
Index	Latitude	Longitude	Float Type	Comments
1*	75° N	145° W	Core	
2*	76° N	153° W	Core	
3*	76° N	147° W	Core	
4*	75° N	145° W	Core	

*Nominal locations



MV Endurance – Josh’s Float – August 2025

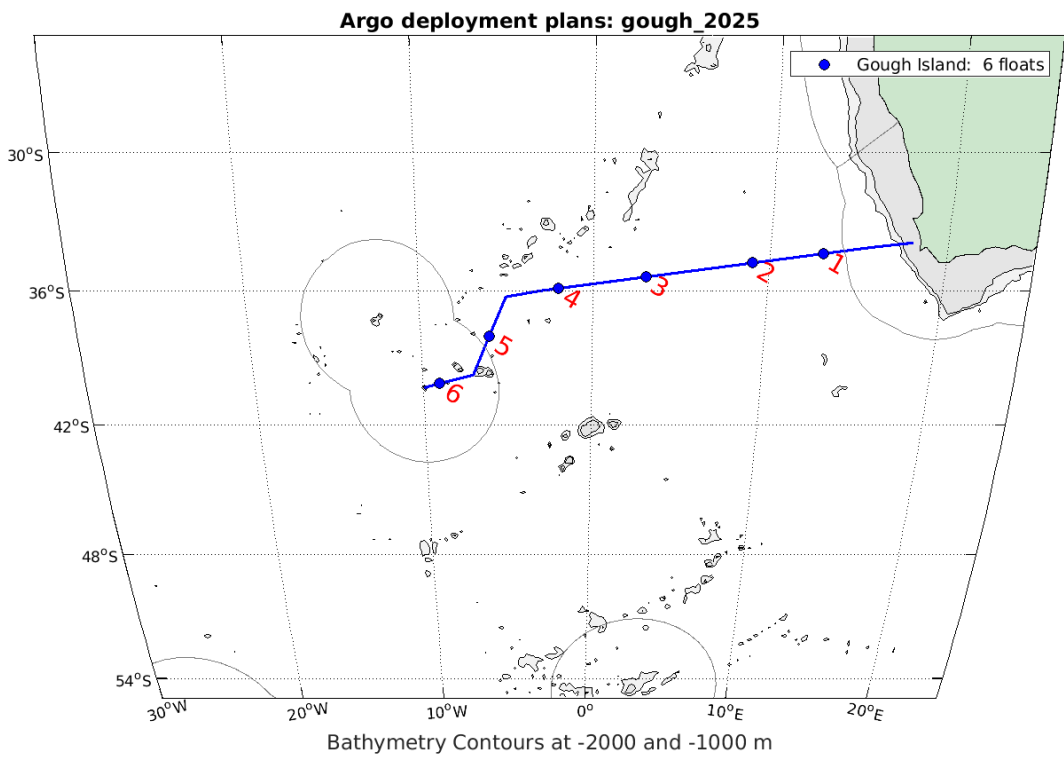
Index	Latitude	Longitude	Float Type	Comments
1	75.27° N	61.12° W	Alto / RBR	



WHOI Argo:16-Apr-2025

SA Agulhas II – Gough Island – August 2025

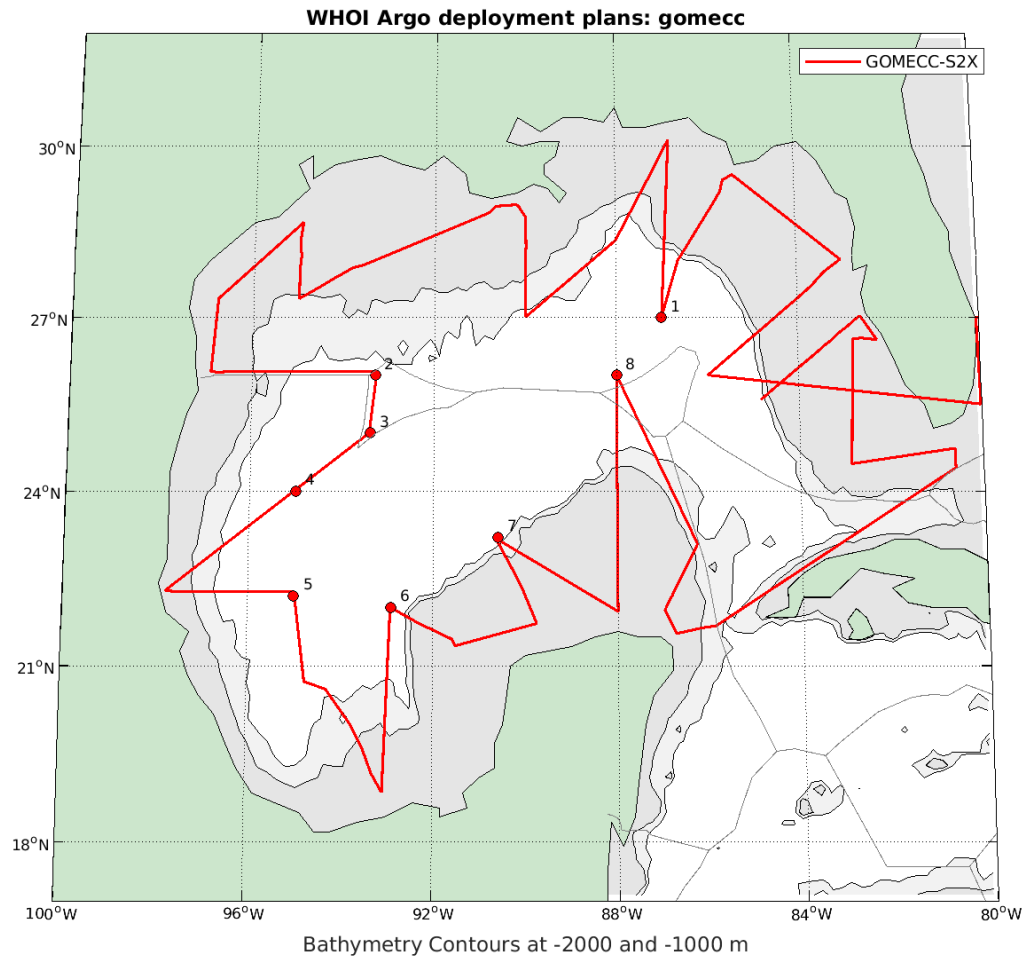
Index	Latitude	Longitude	Float Type	Comments
1	34.37° S	13.00° E	Core	Deploy by longitude
2	34.78° S	9.00° E	Core	
3	35.39° S	3.00° E	Core	
4	35.90° S	2.00° W	Core	
5	38.00° S	6.00° W	Core	
6	40.12° S	9.00° W	Core	



RV Brown - GOMECC : Aug/Sep 2025

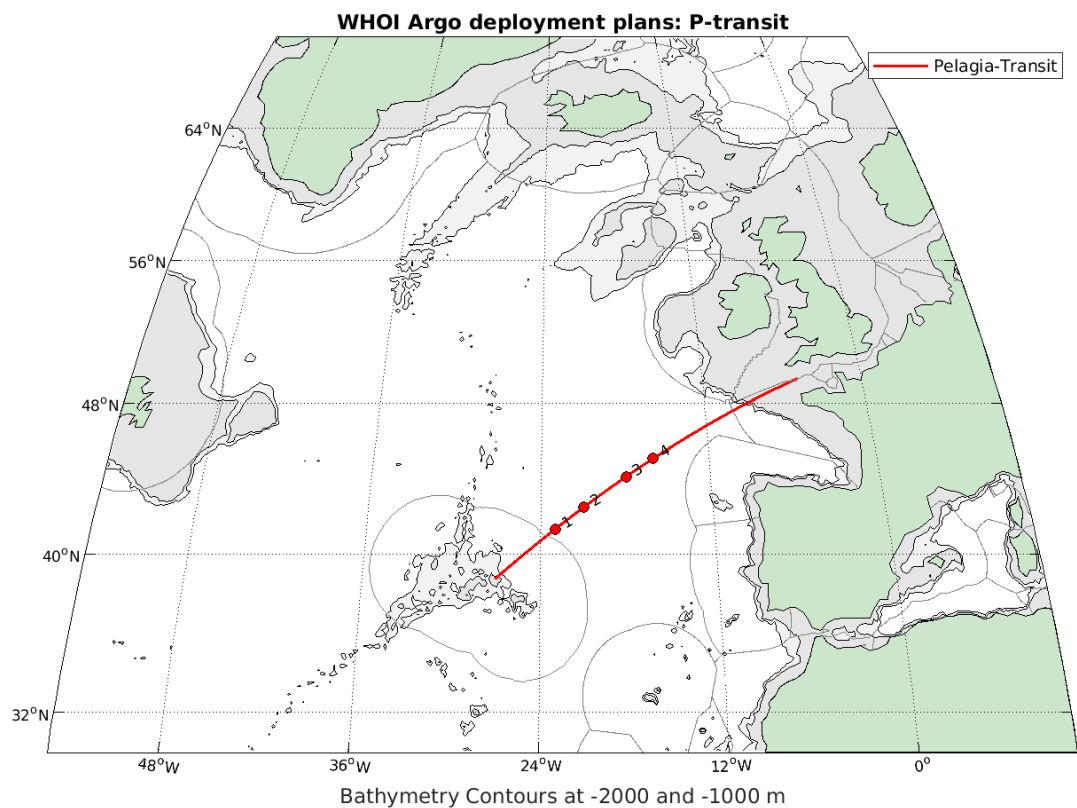
Index	Latitude	Longitude	Float Type	Comments
1**	27.0° N	87.0° W	S2X	
2	26.0° N	93.3° W	S2X	
3	25.0° N	93.4° W	Deep	
4**	24.0° N	95.0° W	S2X	Needs Mexican EEZ clearance
5	22.2° N	95.0° W	S2X	Needs Mexican EEZ clearance
6	22.0° N	92.9° W	S2X	Needs Mexican EEZ clearance
7	23.2° N	90.6° W	S2X	Needs Mexican EEZ clearance
8**	26.0° N	88.0° W	S2X	

**Only 2 of the 3 positions will have a float deployment.



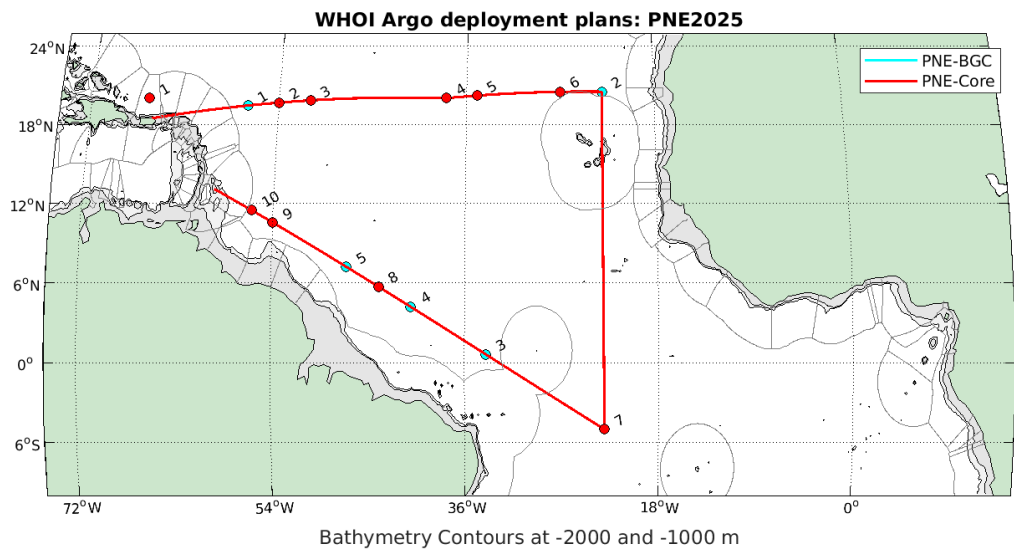
RV Pelagia – Transit – September 2025

Index	Latitude	Longitude	Float Type	Comments
1	41.30° N	23.00° W	Core	Deploy by longitude outside of EEZs
2	42.45° N	21.00° W	Core	
3	44.04° N	18.00° W	Core	
4	45.02° N	16.00° W	Core	



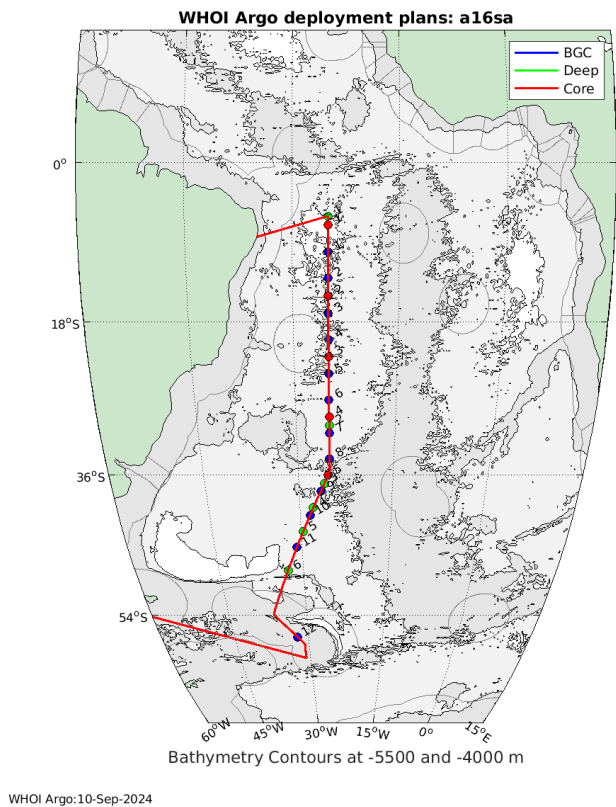
RV Brown - PNE2025 : October 2025

Index	Latitude	Longitude	Float Type	Comments
1	20.0° N	66.5° W	Core	
2	19.4° N	57.0° W	BGC	
3	19.7° N	54.0° W	Core	
4	19.8° N	51.0° W	Core	
5	20.0° N	38.0° W	Core	
6	20.2° N	35.0° W	Core	
7	20.5° N	27.0° W	Core	
8	20.5° N	23.0° W	BGC	
9	5.0° S	23.0° W	Core	
10	0.62° N	34.0° W	BGC	
11	4.2° N	41.0° W	BGC	
12	5.7° N	44.0° W	Core	
13	7.2° N	47.0° W	BGC	
14	10.6° N	54.0° W	Core	
15	11.5° N	56.0° W	Core	



RV Brown - A16S : Nov 2025

Index	Latitude	Longitude	Float Type	Comments
1	10.00° S	25.00° W	WHOI BGC	
2	13.00° S	25.00° W	WHOI BGC	
3	17.00° S	25.00° W	WHOI BGC	
4	20.00° S	25.00° W	WHOI BGC	
5	24.00° S	25.00° W	WHOI BGC	
6	27.00° S	25.00° W	WHOI BGC	
7	30.00° S	25.00° W	WHOI Deep	
8	31.00° S	25.00° W	WHOI BGC	
9	34.00° S	25.00° W	WHOI BGC	
10	38.00° S	26.44° W	WHOI BGC	
11	41.00° S	28.40° W	WHOI BGC	
12	43.00° S	29.64° W	WHOI Deep	
13	45.00° S	30.90° W	WHOI BGC	
14	57.00° S	32.29° W	WHOI BGC	

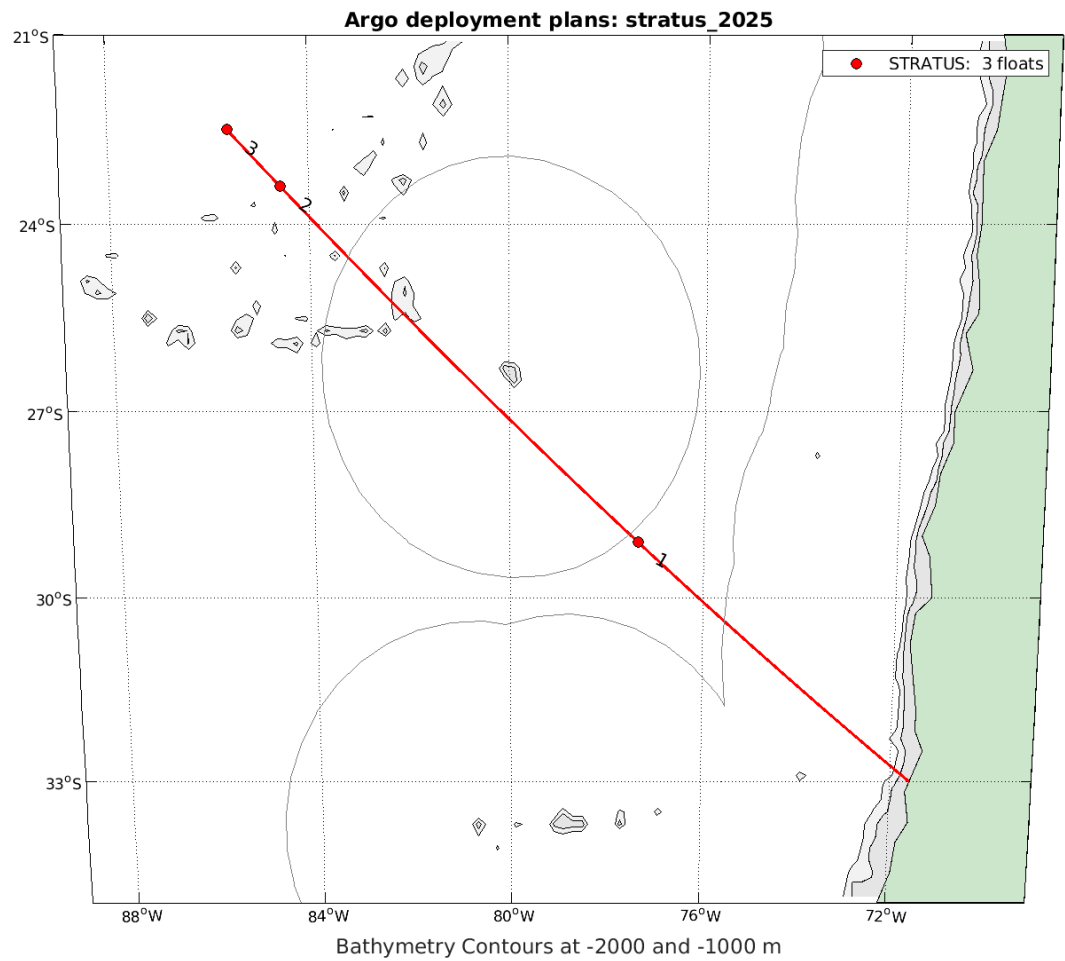


RV Polarstern - Transit – December 2025

Index	Latitude	Longitude	Float Type	Comments
1	° S	° W	Core	
2	° S	° W	Core	
3	° S	° W	Core	
4	° S	° W	Core	
5	° S	° W	Core	
6	° S	° W	Core	

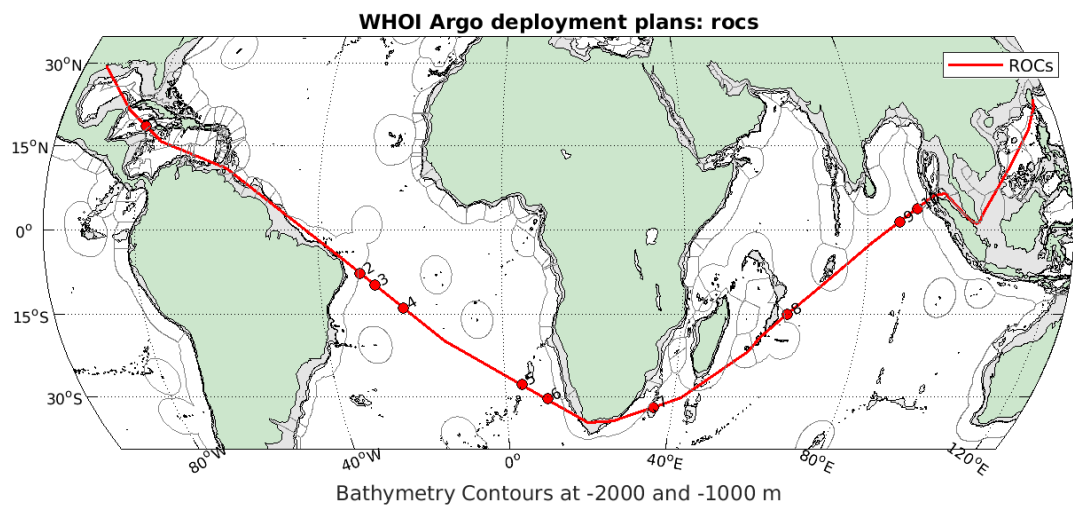
RV Cabo de Hornes - STRATUS – January 2026

Index	Latitude	Longitude	Float Type	Comments
1	29.10° S	77.35° W	Core	Deploy by latitude.
2	23.40° S	84.57° W	Core	
3	22.50° S	85.61° W	Core	



ROCs –

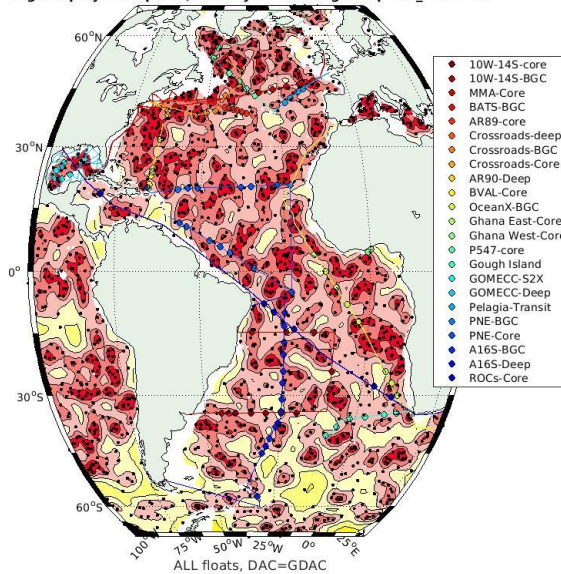
Index	Latitude	Longitude	Float Type	Comments
1	18.41° N	80.50° W	WHOI core	
2	7.70° S	31.00° W	WHOI core	
3	09.74 S	28.00° W	WHOI core	
4	13.83° S	22.00° W	WHOI core	
5	27.69° S	4.00° E	WHOI core	
6	30.44° S	10.00° E	WHOI core	
7	31.96° S	35.00° E	WHOI core	
8	14.94° S	63.50° E	WHOI core	
9	01.39° N	87.00° E	WHOI core	
10	03.81° N	91.00° E	WHOI core	



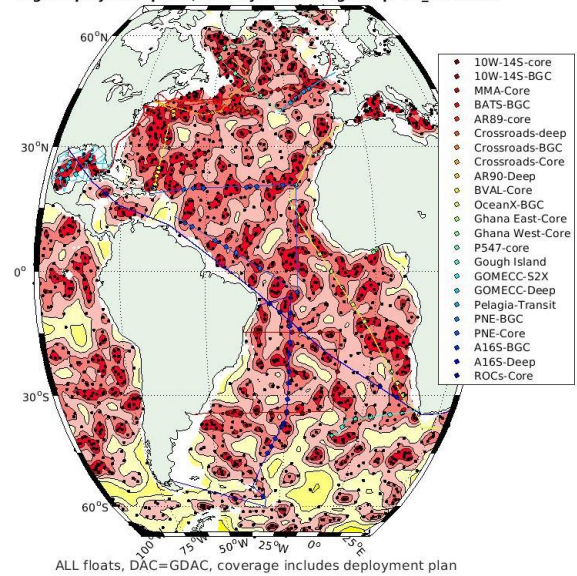
Atlantic Ocean Background/Supplemental Maps

All Floats (Coverage BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: atl_APR2025

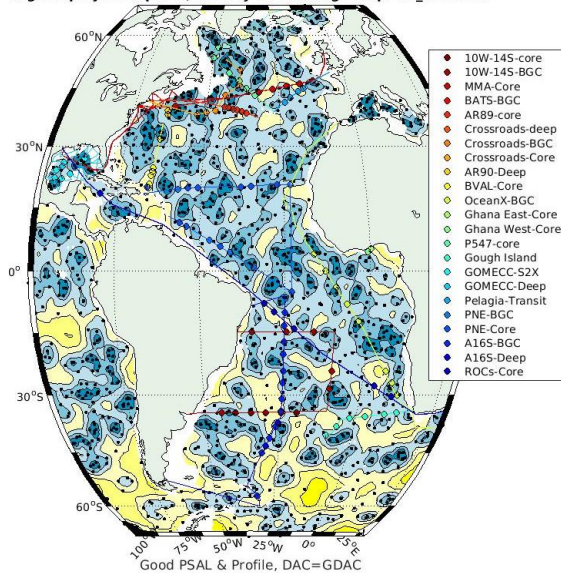


Argo deployment plans, overlay on coverage map: atl_APR2025

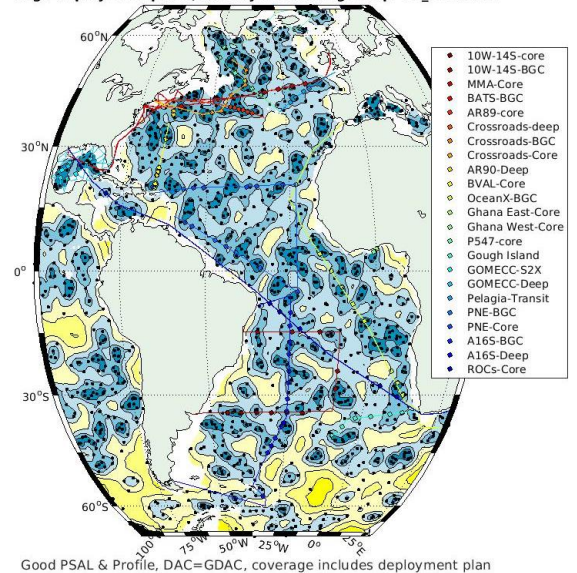


Healthy (conductivity sensor) (Coverage BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: atl_APR2025

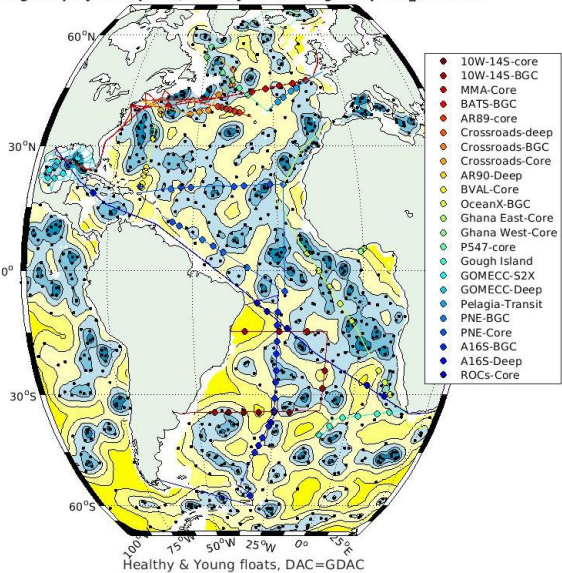


Argo deployment plans, overlay on coverage map: atl_APR2025



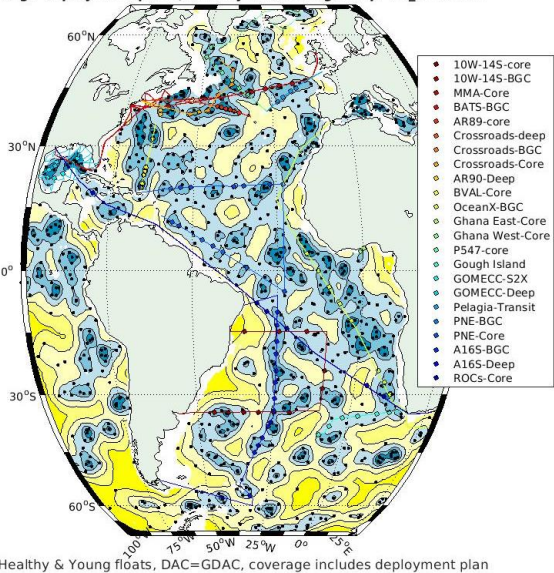
Healthy (conductivity sensor) & Young (Coverage BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: atl_APR2025



Healthy & Young floats, DAC=GDAC

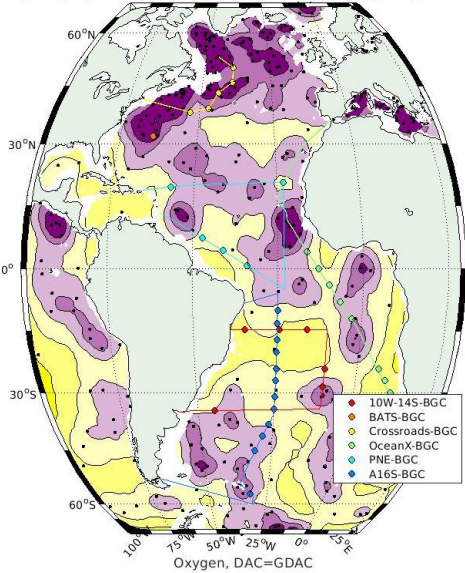
Argo deployment plans, overlay on coverage map: atl_APR2025



Healthy & Young floats, DAC=GDAC, coverage includes deployment plan

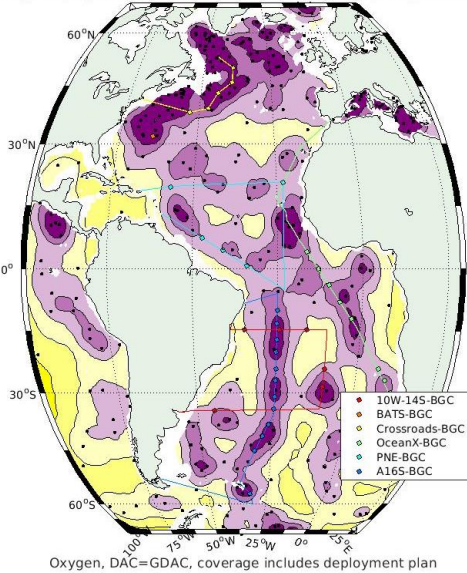
Oxygen (BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: atl_APR2025



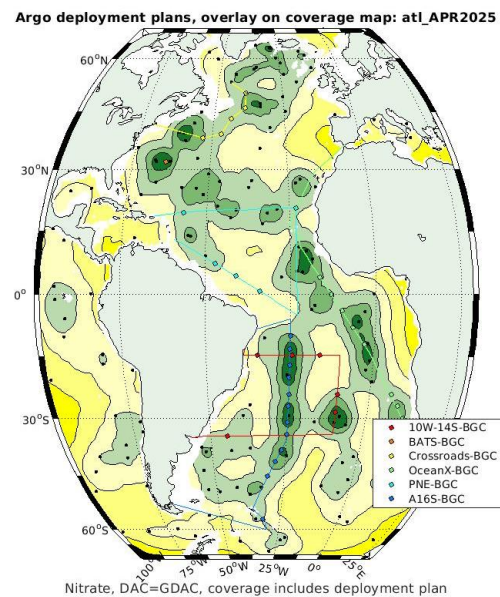
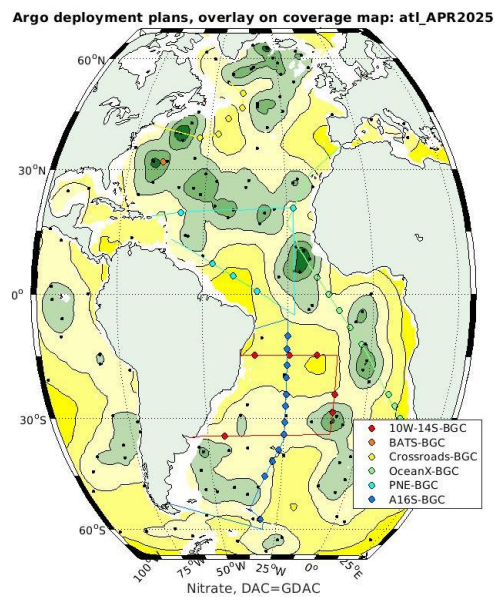
Oxygen, DAC=GDAC

Argo deployment plans, overlay on coverage map: atl_APR2025

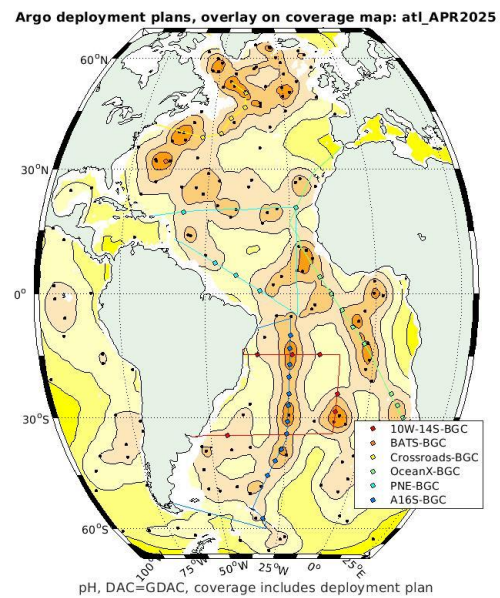
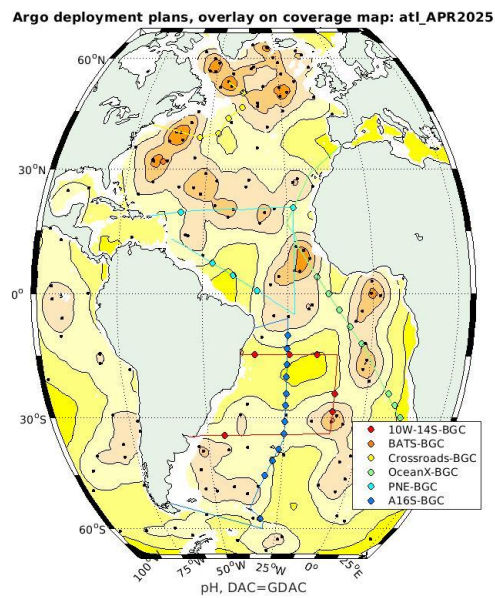


Oxygen, DAC=GDAC, coverage includes deployment plan

Nitrate (BEFORE/AFTER)

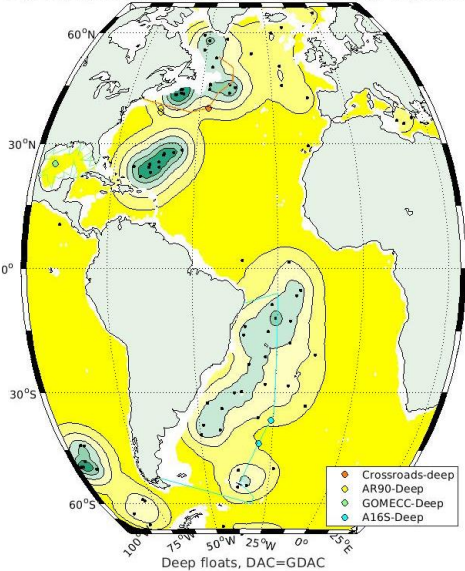


pH (BEFORE/AFTER)

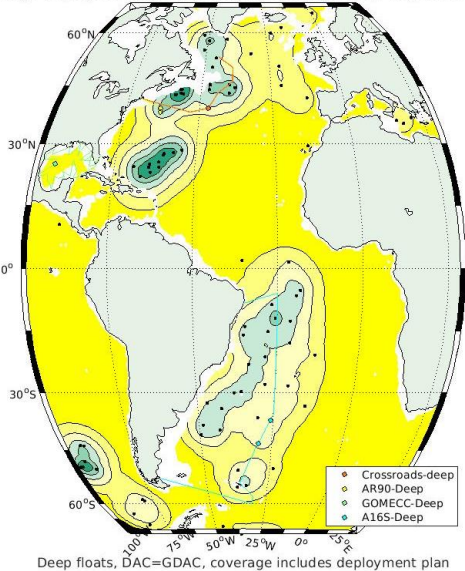


Deep (BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: atl_APR2025

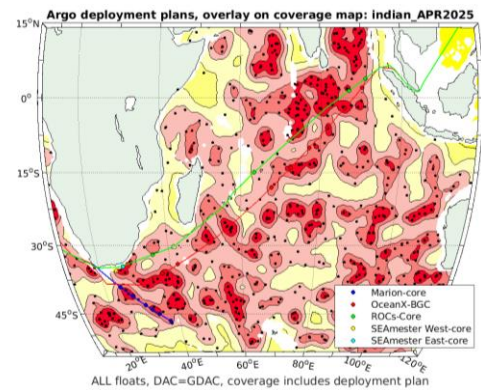
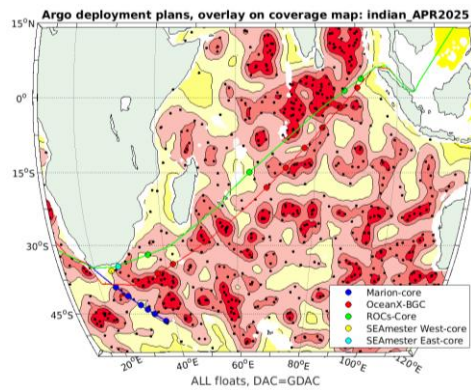


Argo deployment plans, overlay on coverage map: atl_APR2025

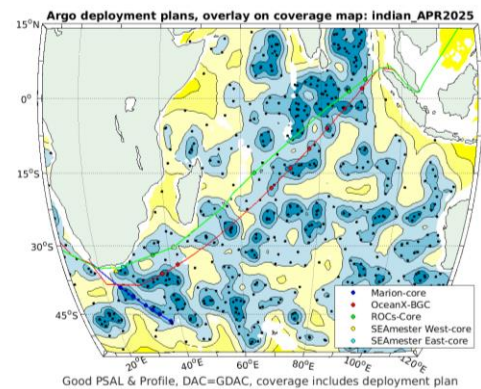
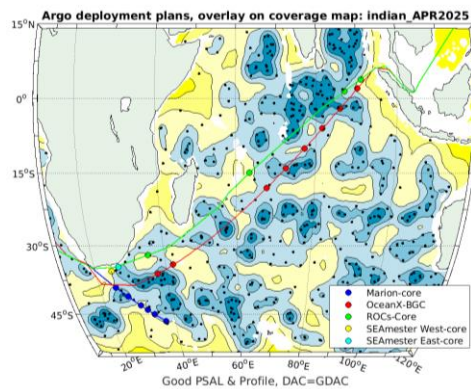


Indian/Southern Ocean Background/Supplemental Maps

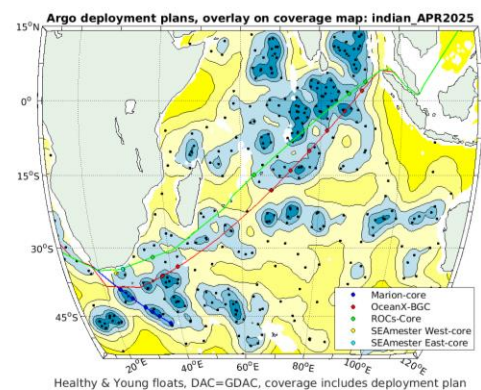
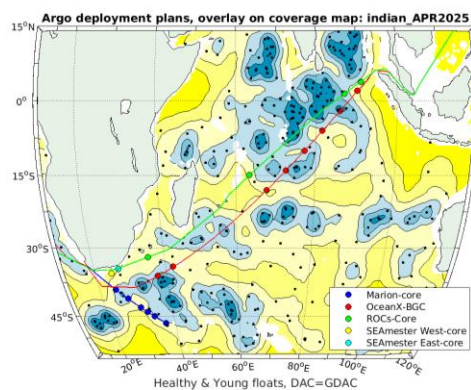
All Floats (Coverage BEFORE/AFTER)



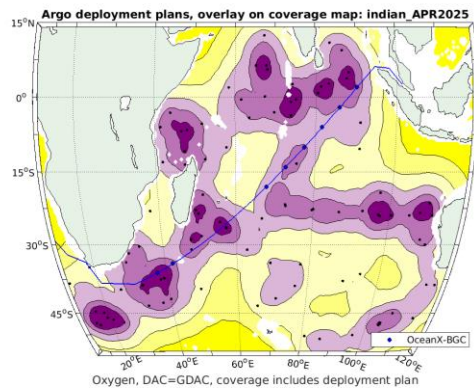
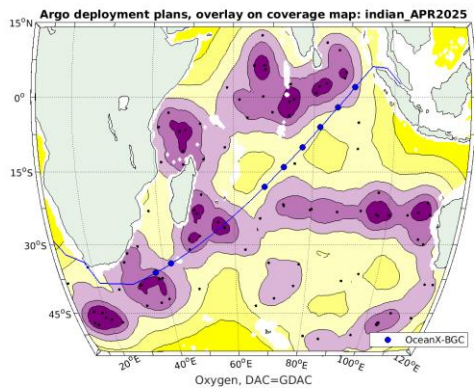
Healthy (conductivity sensor) (Coverage BEFORE/AFTER)



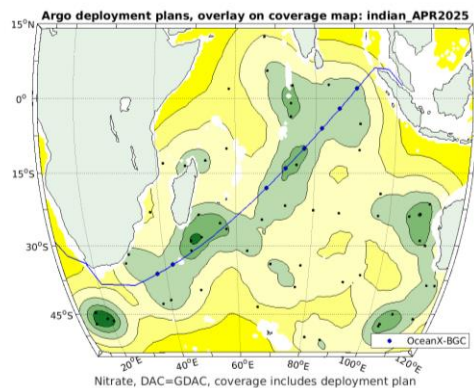
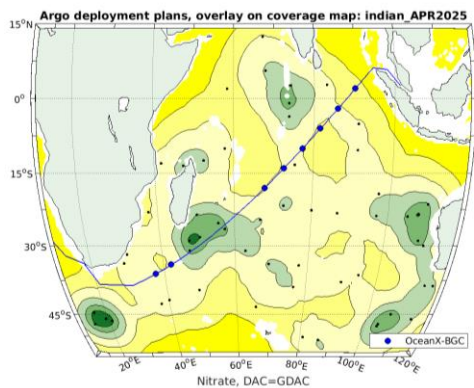
Healthy (conductivity sensor) & Young (Coverage BEFORE/AFTER)



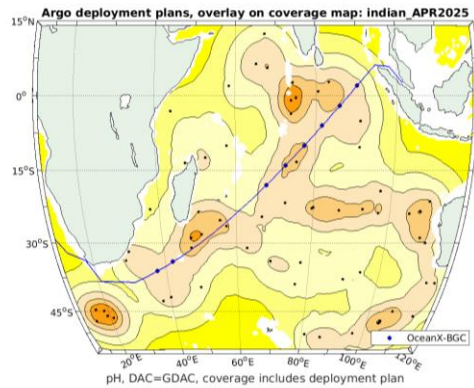
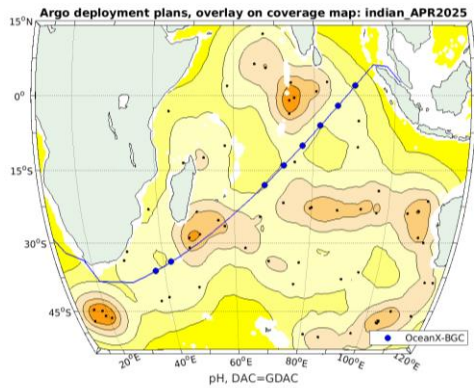
Oxygen (BEFORE/AFTER)



Nitrate (BEFORE/AFTER)

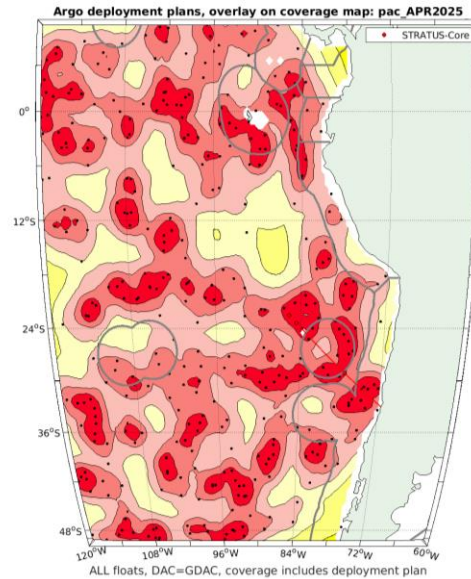
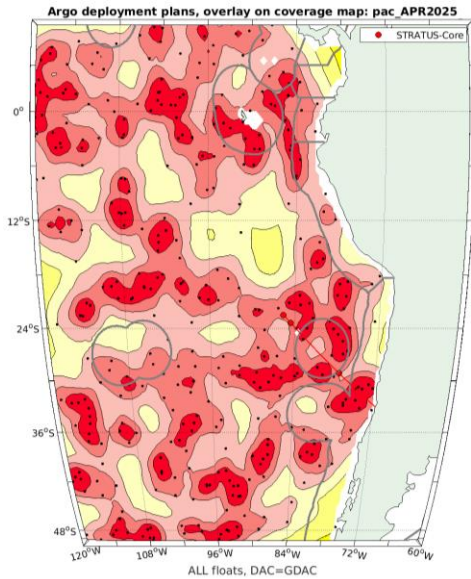


pH (BEFORE/AFTER)

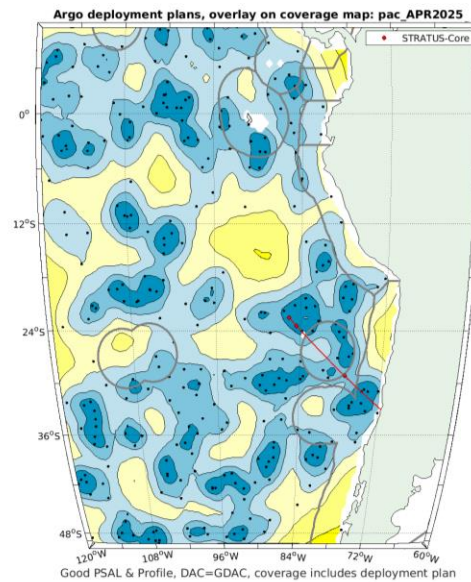
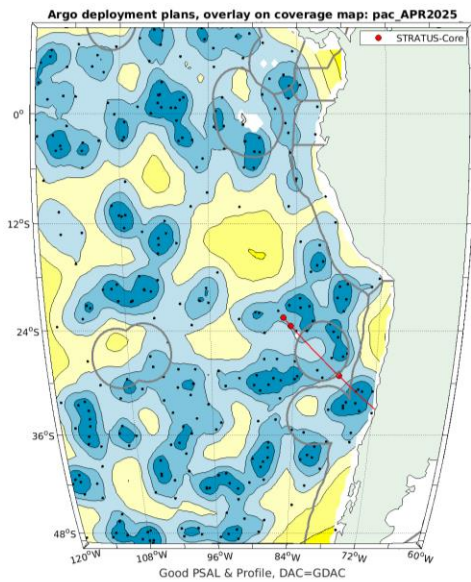


Pacific Ocean Background/Supplemental Maps

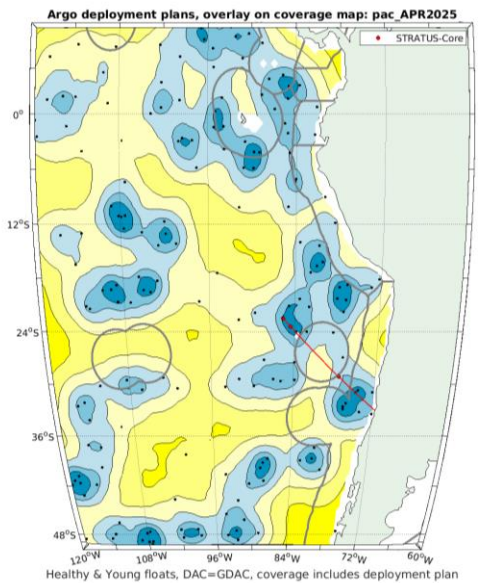
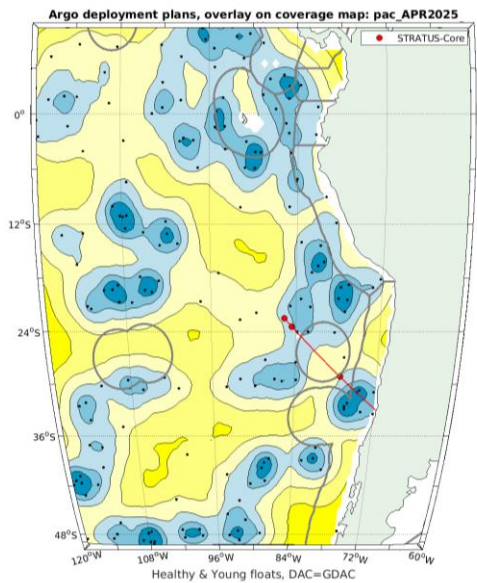
All Floats (Coverage BEFORE/AFTER)



Healthy (conductivity sensor) (Coverage BEFORE/AFTER)



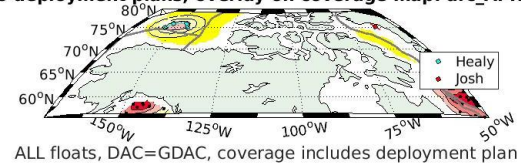
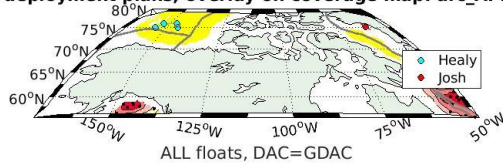
Healthy (conductivity sensor) & Young (Coverage BEFORE/AFTER)



Arctic Ocean Background/Supplemental Maps

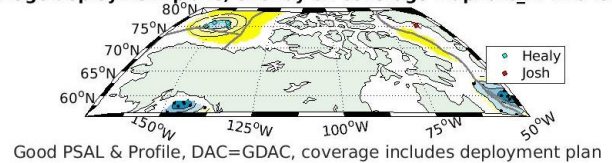
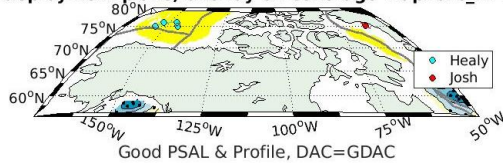
All Floats (Coverage BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: arc_APR2025go deployment plans, overlay on coverage map: arc_APR2025



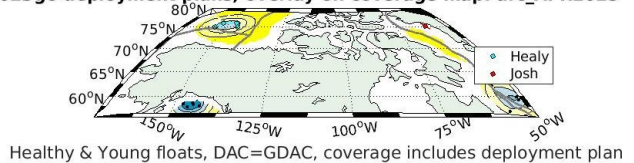
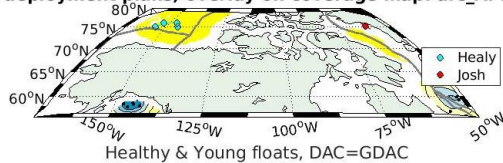
Healthy (conductivity sensor) (Coverage BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: arc_APR2025go deployment plans, overlay on coverage map: arc_APR2025



Healthy (conductivity sensor) & Young (Coverage BEFORE/AFTER)

Argo deployment plans, overlay on coverage map: arc_APR2025go deployment plans, overlay on coverage map: arc_APR2025



Listing of all planned deployment locations

1,Marion-core,1,-39,24.674
2,Marion-core,2,-41,27.509
3,Marion-core,3,-43,30.639
4,Marion-core,4,-44,32.339
5,Marion-core,5,-45,34.145
6,Marion-core,6,-46.5,37.088
7,OceanX-BGC,1,2,90.147
8,OceanX-BGC,2,-2,85.888
9,OceanX-BGC,3,-6,81.596
10,OceanX-BGC,4,-10,77.203
11,OceanX-BGC,5,-14,72.633
12,OceanX-BGC,6,-18,67.791
13,OceanX-BGC,7,-34,42.153
14,OceanX-BGC,8,-36,37.388
15,ROCs-Core,1,-31.955,35.5
16,ROCs-Core,2,-14.942,63.5
17,ROCs-Core,3,1.388,87
18,ROCs-Core,4,3.808,91
19,SEAmester,1,-35.5,24.5
20,SEAmester,2,-34.5,26.8
21,10W-14S-core,1,-34.5,-40
22,10W-14S-core,2,-34.48,-35
23,10W-14S-core,3,-34.46,-30
24,10W-14S-core,4,-34.44,-25
25,10W-14S-core,5,-34.42,-20
26,10W-14S-BGC,1,-34.5,-44.5
27,10W-14S-BGC,2,-28.5,-10
28,10W-14S-BGC,3,-24,-10
29,10W-14S-BGC,4,-14.5,-16
30,10W-14S-BGC,5,-14.5,-24.4
31,10W-14S-BGC,6,-14.5,-34.6
32,MMA-Core,1,40.206,-61
33,MMA-Core,2,43.968,-32
34,MMA-Core,3,44.715,-27
35,MMA-Core,4,45.462,-22
36,MMA-Core,5,46.209,-17
37,MMA-Core,6,46.956,-12
38,BATS-BGC,1,31.83,-64.167
39,AR89-core,1,40.013,-44
40,AR89-core,2,39.738,-42.5
41,AR89-core,3,39.44,-41
42,AR89-core,4,39.12,-39.5
43,AR89-core,5,38.779,-38
44,AR89-core,6,38.414,-36.5
45,Crossroads-deep,1,39,-47
46,Crossroads-BGC,1,38,-53
47,Crossroads-BGC,2,39,-47
48,Crossroads-BGC,3,43,-44
49,Crossroads-BGC,4,46,-39
50,Crossroads-BGC,5,50,-39
51,Crossroads-Core,1,38.5,-50

52,AR90-Deep,1,37.954,-63.026
53,AR90-Deep,2,39.004,-63.369
54,BVAL-Core,1,31.667,-64.167
55,BVAL-Core,2,24.667,-65.217
56,BVAL-Core,3,23.667,-65.367
57,BVAL-Core,4,22.667,-65.517
58,BVAL-Core,5,20.667,-65.817
59,BVAL-Core,6,19.667,-65.967
60,OceanX-BGC,1,-30,11.726
61,OceanX-BGC,2,-27,9.285
62,OceanX-BGC,3,-24,6.845
63,OceanX-BGC,4,-12,3.06
64,OceanX-BGC,5,-8,-6.618
65,OceanX-BGC,6,-4,-9.952
66,OceanX-BGC,7,0,-13.141
67,OceanX-BGC,8,4,-16.329
68,Ghana,1,5.267,0.25
69,Ghana,1,4.5,-0.667
70,P547-core,1,56.44,-48.6
71,P547-core,2,53.379,-49.61
72,P547-core,3,49.2,-43.022
73,P547-core,4,47,-39.18
74,P547-core,5,45,-36.533
75,P547-core,6,43,-33.407
76,Gough,1,-34.371,13
77,Gough,2,-34.779,9
78,Gough,3,-35.389,3
79,Gough,4,-35.898,-2
80,Gough,5,-38,-6
81,Gough,6,-40.12,-9
82,GOMECC-S2X,1,27,-87
83,GOMECC-S2X,2,26,-93.3
84,GOMECC-S2X,3,24,-95
85,GOMECC-S2X,4,22.2,-95
86,GOMECC-S2X,5,22,-92.9
87,GOMECC-S2X,6,23.2,-90.6
88,GOMECC-S2X,7,26,-88
89,GOMECC-Deep,1,25,-93.4
90,Pelagia-Transit,1,41.297,-23
91,Pelagia-Transit,2,42.451,-21
92,Pelagia-Transit,3,44.042,-18
93,Pelagia-Transit,4,45.016,-16
94,PNE-BGC,1,19.44,-57
95,PNE-BGC,2,20.5,-23
96,PNE-BGC,3,0.625,-34
97,PNE-BGC,4,4.206,-41
98,PNE-BGC,5,7.203,-47
99,PNE-Core,1,20,-66.5
100,PNE-Core,2,19.663,-54
101,PNE-Core,3,19.836,-51
102,PNE-Core,4,20,-38
103,PNE-Core,5,20.203,-35
104,PNE-Core,6,20.492,-27

105,PNE-Core,7,-5,-23
106,PNE-Core,8,5.716,-44
107,PNE-Core,9,10.55,-54
108,PNE-Core,10,11.468,-56
109,A16S-BGC,1,-10,-25
110,A16S-BGC,2,-13,-25
111,A16S-BGC,3,-17,-25
112,A16S-BGC,4,-20,-24.998
113,A16S-BGC,5,-24,-25
114,A16S-BGC,6,-27,-25
115,A16S-BGC,7,-31,-25
116,A16S-BGC,8,-34,-25
117,A16S-BGC,9,-38,-26.439
118,A16S-BGC,10,-41,-28.398
119,A16S-BGC,11,-45,-30.904
120,A16S-BGC,12,-57,-32.286
121,A16S-Deep,1,-37,-25.9
122,A16S-Deep,2,-43,-29.642
123,ROCs-Core,1,18.406,-80.5
124,ROCs-Core,2,-7.697,-31
125,ROCs-Core,3,-9.74,-28
126,ROCs-Core,4,-13.827,-22
127,ROCs-Core,5,-27.688,4
128,ROCs-Core,6,-30.436,10
129,STRATUS,1,-29.1,-77.354
130,STRATUS,2,-23.4,-84.568
131,STRATUS,3,-22.5,-85.611
132,Healy,1,75,-155
133,Healy,2,76,-153
134,Healy,3,76,-147
135,Healy,4,75,-145
136,Endurance,1,75.27,-61.12