

Argo Deployment Plan E

Ron Brown RB-21-05

Pelle Robbins
Nov 5, 2021

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RB-21-05

PNE (PIRATA Northeast Extension) and GO-SHIP A13.5

Cruise	Ship	Load Location	Load Date	Inventory
PNE and A13.5	<i>Ronald Brown</i>	St. Petersburg Florida	Nov 1-2	26 core (max) 1 deep solo 6 navis bgc 6 UW SOCCOM

Bill Dullea and Ryan Anderson to travel to South Florida to initialize floats and aid in loading.

RONALD H. BROWN schedule (as of Sep 27)

Port	Arrive date	Depart Date	Next Cruise	Days at Sea
St. Petersburg Florida	Nov	Nov	PNE	
Cape Town	Dec	Jan	A13.5	
Praia, Cape Verde	Feb	Mar	Transit to drydock	

List of Proposed Float Deployment Locations

Notes:

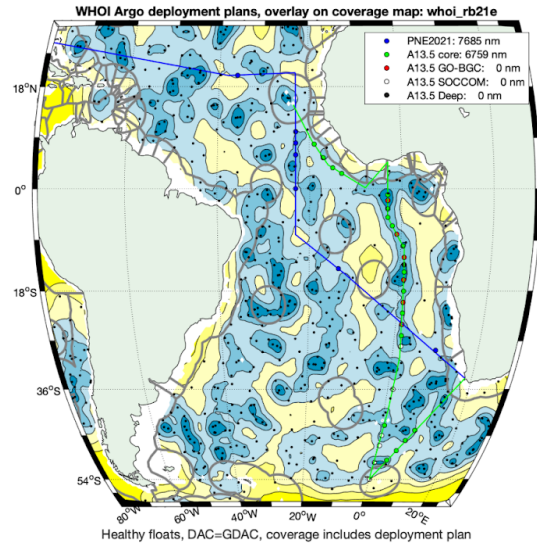
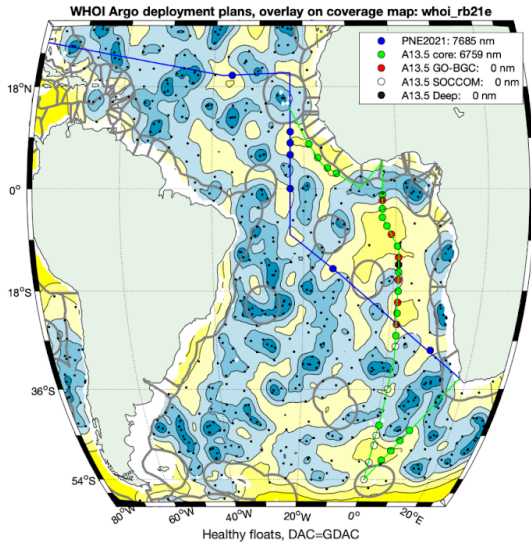
1) locations of BGC floats are nominal and still need to be adjusted to closest hydrostation collecting full suite of carbon chemistry

2) WHOI core Argo floats can be deployed underway and may be deployed within 40 km radius of nominal target location.

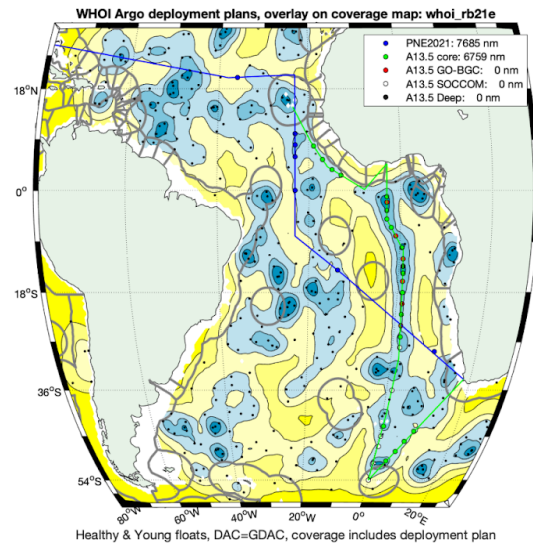
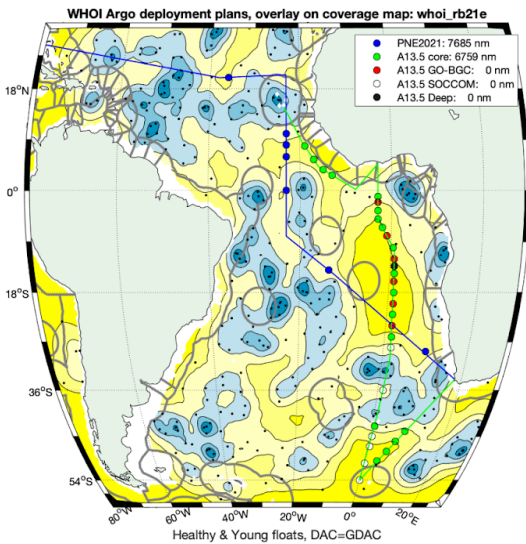
01 PNE2021	20° 4'N	36° 0'W
02 PNE2021	10° 0'N	23° 0'W
03 PNE2021	8° 0'N	23° 0'W
04 PNE2021	6° 0'N	23° 0'W
05 PNE2021	0° 0'S	23° 0'W
06 PNE2021	14° 3'S	13° 30'W
07 PNE2021	28° 42'S	10° 0'E
08 A13.5 core	44° 0'S	9° 10'E
09 A13.5 core	46° 0'S	7° 20'E
10 A13.5 core	48° 0'S	5° 30'E
11 A13.5 core	50° 0'S	3° 40'E
12 A13.5 core	50° 30'S	0° 15'E
13 A13.5 core	43° 0'S	0° 46'E
14 A13.5 core	26° 0'S	1° 37'E
15 A13.5 core	22° 0'S	1° 23'E
16 A13.5 core	18° 0'S	1° 10'E
17 A13.5 core	14° 40'S	0° 59'E
18 A13.5 core	10° 0'S	0° 27'E
19 A13.5 core	6° 30'S	1° 58'W
20 A13.5 core	5° 0'S	3° 0'W
21 A13.5 core	3° 30'S	3° 0'W
22 A13.5 core	1° 0'S	3° 0'W
23 A13.5 core	7° 54'N	19° 0'W
24 A13.5 core	5° 28'N	17° 0'W
25 A13.5 core	3° 44'N	15° 0'W
26 A13.5 core	2° 44'N	13° 0'W
27 A13.5 GO-BGC	24° 0'S	1° 30'E
28 A13.5 GO-BGC	20° 0'S	1° 17'E
29 A13.5 GO-BGC	16° 0'S	1° 3'E
30 A13.5 GO-BGC	12° 0'S	0° 52'E
31 A13.5 GO-BGC	8° 0'S	0° 56'W
32 A13.5 GO-BGC	2° 0'S	3° 0'W
33 A13.5 SOCCOM	54° 0'S	0° 0'W
34 A13.5 SOCCOM	50° 30'S	0° 15'E
35 A13.5 SOCCOM	47° 0'S	0° 29'E
36 A13.5 SOCCOM	45° 0'S	0° 38'E
37 A13.5 SOCCOM	36° 0'S	1° 19'E
38 A13.5 SOCCOM	28° 0'S	1° 43'E
39 A13.5 Deep	13° 20'S	0° 56'E

Maps

RB-21-05 tracks on core Argo fleet coverage (healthy floats)



RB-21-05 tracks on core Argo fleet coverage (healthy & young floats)

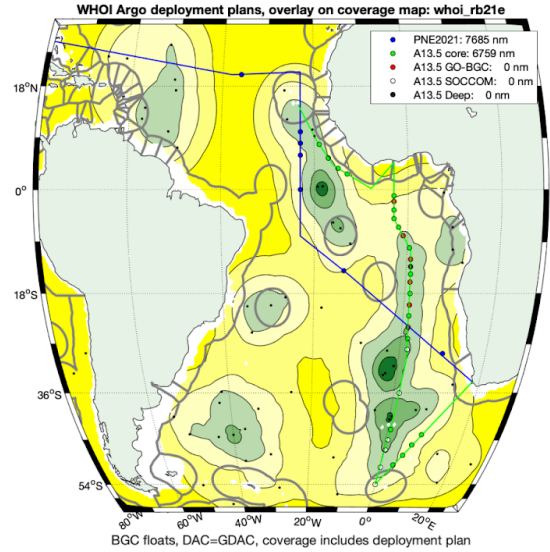
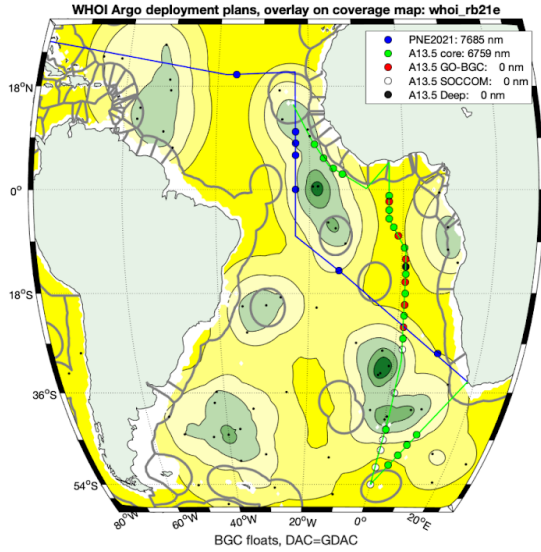


Healthy float == not greylisted and profiling deeper than 1200 dbar.

Young float == deployed less than 3.5 years ago.

BGC-float coverage (Before/After)

For purposes of this map, a BGC float is defined as any WMO appearing in GDAC file argo_bio-profile_index.txt.



SOCCOM deployment Latitudes: [-54 -50.5 -47 -45 -36 -28]

GO-BGC deployment Latitudes: [-24 -20 -16 -12 -8 -2];