

Next Generation Deployment Log

Site	19S 34W	Mooring ID	TM404
Cruise	PI3-17-AN	Date (GMT)	10/30/2017
Personnel	Arlino, Pavani, Marton, Freitas, Melo, Silva		
Mooring Type	Taut	Jul Anch Date	17303
Latitude	18° 51.93' S	Longitude	034° 41.02' W
		Corr Depth	4197

Deployment Start (GMT)

Time	01:13:00	Date	10/30/2017
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Hardware

Twr, Br, Toroid S/N	1293	Insert ?	yes
Anti-theft Cage ?		Fairing Depth	

Tube

Tube SN	1293	PTT Id	17645
Time Zone		Software Ver	

Meteorological Sensors

	Type	S/N
AT/RH	Rotronics	59325
Rain	RMYoung	1641
SW Radiation	Eppley	34936
LW Radiation	Eppley	33346
SeaCat		
Baro Pressure	PAROS	121225
Wind	RMYoung	134679

Subsurface Sensors

Instrument Depths

Special

OTN SN	113054	OTN Depth	200	OTN Time In	01:43:00
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Depth	Type	Address	S/N	Time In	Comments	
1	SSC	0	12196	01:13:00		⬆
5	TC	12	15571	01:13:00	INV	⬆
10	TC	11	15677	01:14:00	INV	⬆
11.5	Sontek		1481	01:14:00		⬆
20	TC	1	14612	01:14:00	INV	⬆
40	TC	2	14745	01:14:00	INV	⬆
60	TC	3	14857	01:15:00	INV	⬆
80	TC	4	15723	01:24:00		⬆
100	T	5	11591	01:27:00		⬆
120	TC	6	15017	01:31:00		⬆
140	T	7	15315	01:34:00		⬆
180	T	8	14444	01:39:00		⬆
200	OTN		113054	01:43:00		⬆
300	TP	9	15377	01:51:00		⬆
500	TP	10	13316	02:02:00		⬆
						⬆
						⬆
						⬆
						⬆
						⬆

Subsurface Continued:

Depth	Type	Address	S/N	Time In	Comments	
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕
						↕

Nylon & Subsurface

Nylon Below release
Hardware Ln
Projected Scope
Top Section SN
Top Section Usage

50
9
0.985
788
first use

Wire S/N

PI-12-16
1000

Wire Length

Wire Deployment ☐ 1st
☒ 2nd

	S/N or Poly	Length
1	Z068	605
2	Y587	604
3	Y568	603
4	Y581	605
5	Z173	662
Total nylon		3079
Mooring length		4138.0

(All Nylon, Nilspin and Hardware)

	S/N or Poly	Length
6		
7		
8		
9		
10		
Target Depth		4197
Calculated Cut Length		-3.96

EG & G Releases

	Type	S/N	Int Freq	Reply Freq	Release	Disable	Enable
Release 1	8242	43295	11 kHz	12 kHz	446405	463074	463057
Release 2							

Anchor Drop

Latitude	18° 51.991' S	Anchor weight	4480 lbs
Date	10/30/2017	Longitude	034° 40.320' W
Range to Buoy		Time	05:28:00
Tow Time	00:36:00	Bearing To Buoy	
Total Time	04:15:00	Tow Distance	4.5

Flyby

	Latitude		Longitude	
Buoy	18° 51.93' S		034° 41.02' W	
Anchor				
Uncorrected Depth	4197	(from Matthew's Table)		
Depth Correction	0			
Transducer Depth	0			
Corr Depth	4197		Final Scope	0.986

Meteorological Observation

	Date	Time	Wind Dir (from)	Wind Spd (kts)	Air Temp	SST	SSC	RH
Ship	10/30/2017	07:30:00	19	9.9	23.4	25.3	37.2	81.0
Buoy	10/30/2017	07:30:00	00	3.7	24.7	25.0	56.2	83.6

Deployment Comments

The buoy light was broken during the deployment to the water.