

TROPICAL ATMOSPHERE-OCEAN (TAO) PROGRAM  
FINAL CRUISE REPORT  
RB-15-02

Area: Equatorial Pacific: 8°S 125°W to 8°N 125°W and 8°S 140°W to 8°N 140°W

Itinerary:

RB-15-02            DEP    *February 22, 2015, San Diego, CA*  
                          ARR    *April 7, 2015, Papeete, FP*

**CRUISE DESCRIPTION**

The Tropical Atmosphere Ocean (TAO) array consists of 70 buoys utilizing a taut line mooring configuration used to mount data collection sensors for climate research purposes. Fifteen buoys are serviced by JAMSTEC and the remaining 55 buoys from 95°W longitude to 165°E longitude are serviced by National Data Buoy Center (NDBC). Repair and maintenance of the buoys is performed by NDBC contracted personnel on an annual basis utilizing the NOAA Ships and other contract vessels. The buoys' deployment lifecycles are up to 18 months to ensure at least one year of data collection can be completed.

**NDBC Points of Contact**

NDBC Operations Branch Chief	NDBC Operations Manager
Steve Cucullu	Jeff Jenner
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TAO Cruise Objective and Plan:

The objective of this cruise was the maintenance of the TAO Array along the 125°W and 140°W meridians.

The scientific complement for the cruise embarked at San Diego, CA on February 21, 2015. The ship departed on February 22, 2015 and conducted operations as listed in Section 2.1. The ship arrived at Papeete, Tahiti on April 7, 2015.

## 1.0 PERSONNEL

### 1.1 CRUISE LEAD AND PARTICIPATING SCIENTISTS:

Cruise Lead: William Thompson.

Participating Scientists:

Name	Gender	Nationality	Affiliation
William Thompson	M	US	NOAA/NDBC
Stephan Becerra	M	US	NOAA/NDBC
Casey Burge	M	US	NOAA/NDBC

## 2.0 OPERATIONS

### 2.1 TAO Data Recovery Summary

Mooring Operations conducted are shown in the tables below. The following provides details on the data recovery efforts for the buoys serviced. All noted times in this summary report are Coordinated Universal Time (UTC):

### TAO Cruise Summary

<b>Buoy Site:</b> 8N 125W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM083A	
<b>Deployed Location:</b> 08-02.95N/124-59.22W		<b>Deployed Date:</b> 9/2/2014	
<b>Recovered Location:</b> 08-1.76N/125 0.83W		<b>Recovered Date:</b> 3/5/2015	
<b>Sensors/Equipment Lost at Sea:</b> TP500			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> None			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
SST/SSS	3/1/15	Data missing	None
TP500	9/3/14	Data missing	Lost at Sea

<b>Buoy Site:</b> 8N 125W	<b>Mooring Depth:</b> 4654 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM114A
<b>Deployed Location:</b> 08-02.16N/125-00.57W	<b>Deployed Date:</b> 3/5/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> Dropped anchor early due to ship propulsion issue.	

<b>Buoy Site:</b> 5N 125W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM084A	
<b>Deployed Location:</b> 05-04.29 N/124-55.7 W		<b>Deployed Date:</b> 9/4/2014	
<b>Recovered Location:</b> 05-4.53 N/124 56.51 W		<b>Recovered Date:</b> 3/6/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> T120 & T140 slid down Nilspin to 140 m and 180 m respectively.			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> Acoustic Release did not respond, but was recovered.			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
None			

<b>Buoy Site:</b> 5N 125W	<b>Mooring Depth:</b> 4408 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM115A
<b>Deployed Location:</b> 05-04.70N/125-57.30W	<b>Deployed Date:</b> 3/6/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

<b>Buoy Site:</b> 2N 125W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM085A	
<b>Deployed Location:</b> 01-57.87N/125-04.43W		<b>Deployed Date:</b> 9/5/2014	
<b>Recovered Location:</b> 01-57.55N/125-04.26W		<b>Recovered Date:</b> 3/7/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> Camera system was recovered in fair condition, but was being held on to by the connector only. T40, 60, & 80 slid down Nilsping to 80 m and 100 m respectively.			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service</b>

			<b>Observations</b>
ATRH	11/5/14	Data excessively high	None

<b>Buoy Site:</b> 2N 125W	<b>Mooring Depth:</b> 4717 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM116A
<b>Deployed Location:</b> 01-57.54N/125-05.18W	<b>Deployed Date:</b> 3/8/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

<b>Buoy Site:</b> 0 125W CO2			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM086A	
<b>Deployed Location:</b> 00-10.18S/124 23.23W		<b>Deployed Date:</b> 9/6/2014	
<b>Recovered Location:</b> 00-11.45S/124 22.13W		<b>Recovered Date:</b> 3/8/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> Upper wind stanchion was flopping around. No cotter key, hose clamps were loose.			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
Wind Direction	1/8/15	Data offset	Wind stanchion flopping around

<b>Buoy Site:</b> 0 125W CO2		<b>Mooring Depth:</b> 4796M	
<b>Mooring Operation:</b> Deployment		<b>Mooring ID#:</b> DM117A	
<b>Deployed Location:</b> 00-11.08S/125 22.85W		<b>Deployed Date:</b> 3/9/2015	
<b>Pre-Deployment On Deck Instrument Failures:</b> None			
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged During Deployment:</b> None			
<b>General Comments:</b> None			

<b>Buoy Site:</b> 2S 125W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM087A	
<b>Deployed Location:</b> 02-03.63S/124 55.06W		<b>Deployed Date:</b> 9/7/2014	
<b>Recovered Location:</b> 02-00.88S/124 55.26W		<b>Recovered Date:</b> 3/10/2015	

<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> None			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
None			

<b>Buoy Site:</b> 2S 125W	<b>Mooring Depth:</b> 4695 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM118A
<b>Deployed Location:</b> 02-04.25S/125-55.97W	<b>Deployed Date:</b> 3/10/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

<b>Buoy Site:</b> 5S 125W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM088A	
<b>Deployed Location:</b> 05-01.60S/124 55.11W		<b>Deployed Date:</b> 9/8/2014	
<b>Recovered Location:</b> 05-02.2S/124-54.83W		<b>Recovered Date:</b> 3/11/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> Release was horizontal upon arrival			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
T20	3/5/15	Data dropped	Sensor slid down to 40m
T140	2/5/15	Data dropped	Sensor slid down to 180m
T180	1/21/15	Data dropped	Sensor slid down to 250m

<b>Buoy Site:</b> 5S 125W		<b>Mooring Depth:</b> 4547 m	
<b>Mooring Operation:</b> Deployment		<b>Mooring ID#:</b> DM119A	
<b>Deployed Location:</b> 05-01.68S/124 56.31W		<b>Deployed Date:</b> 3/11/2015	
<b>Pre-Deployment On Deck Instrument Failures:</b> None			
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged During Deployment:</b> None			

<b>General Comments:</b> None
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<b>Buoy Site:</b> 8S 125W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM089A	
<b>Deployed Location:</b> 07-59.14S/124-58.91W		<b>Deployed Date:</b> 9/9/2014	
<b>Recovered Location:</b> 07-59.15S/124-58.50W		<b>Recovered Date:</b> 3/12/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> Top section cable smashed at connection; top section was twisted. T20, 40, 80, 100, & TP 300 Slid down Nilspin.			
Site Sensor Failures	Date Data Flagged	Why Data Flagged	Field Service Observations
T40	3/11/15	Data dropped	Slid to 60m
T100	1/28/15	Data dropped	Slid to 120m
T80	1/21/15	Data dropped	Slid to 100m
TP300	12/5/14	Data dropped	Slid to 500m
Wind	10/26/14	Dropped to zero	Stanchion gone, wire hanging out
T20	9/25/14	Data dropped	Slid to 40m

<b>Buoy Site:</b> 8S 125W		<b>Mooring Depth:</b> 4520 m	
<b>Mooring Operation:</b> Deployment		<b>Mooring ID#:</b> DM120A	
<b>Deployed Location:</b> 07-59.04S/124-59.22W		<b>Deployed Date:</b> 3/12/2015	
<b>Pre-Deployment On Deck Instrument Failures:</b> None			
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged During Deployment:</b> None			
<b>General Comments:</b> None			

<b>Buoy Site:</b> 9N 140W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM094A	
<b>Deployed Location:</b> 08-59.80N/140-15.21W		<b>Deployed Date:</b> 9/21/2014	
<b>Recovered Location:</b> 08-58.8N/140-15.48W		<b>Recovered Date:</b> 3/18/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> None			
Site Sensor Failures	Date Data Flagged	Why Data Flagged	Field Service Observations

None			
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<b>Buoy Site:</b> 9N 140W	<b>Mooring Depth:</b> 4834 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM121A
<b>Deployed Location:</b> 09-00.02N/140-15.47W	<b>Deployed Date:</b> 3/18/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

<b>Buoy Site:</b> 5N 140W	<b>Mooring Depth:</b> 4467 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM122A
<b>Deployed Location:</b> 05-01.82N/139-58.75W	<b>Deployed Date:</b> 3/20/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

<b>Buoy Site:</b> 2N 140W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM093A	
<b>Deployed Location:</b> 01-58.55N/140-02.04W		<b>Deployed Date:</b> 9/18/2014	
<b>Recovered Location:</b> 01-58.75N/140-01.68W		<b>Recovered Date:</b> 3/21/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>Sensors/Tubes Downloaded:</b> None			
<b>General Comments:</b> None			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
None			

<b>Buoy Site:</b> 2N 140W	<b>Mooring Depth:</b> 4370 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM123A
<b>Deployed Location:</b> 01-58.8N/140 01.7W	<b>Deployed Date:</b> 3/22/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	

<b>General Comments:</b> None
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<b>Buoy Site:</b> 0 140W Flux/CO2			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM092A	
<b>Deployed Location:</b> 00-01.65N/139-56.00W		<b>Deployed Date:</b> 9/16/2014	
<b>Recovered Location:</b> 00-02.06N/139-54.78W		<b>Recovered Date:</b> 3/22/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> None			
Site Sensor Failures	Date Data Flagged	Why Data Flagged	Field Service Observations
TP500	9/19/14	Data indicated sensor slippage.	Sensor slid down to 700m

<b>Buoy Site:</b> 0 140W Flux/CO2		<b>Mooring Depth:</b> 4361 m	
<b>Mooring Operation:</b> Deployment		<b>Mooring ID#:</b> DM124A	
<b>Deployed Location:</b> 00-01.56N/139-55.95W		<b>Deployed Date:</b> 3/23/2015	
<b>Pre-Deployment On Deck Instrument Failures:</b> None			
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged During Deployment:</b> None			
<b>General Comments:</b> None			

<b>Buoy Site:</b> 0 140W ADCP			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> CA018	
<b>Deployed Location:</b> 00-02.370N/140-02.262W		<b>Deployed Date:</b> 9/15/2014	
<b>Recovered Location:</b> 00-02.37N/140-02.26W		<b>Recovered Date:</b> 3/23/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> RF Beacon damaged and flooded			
<b>Fishing/Vandalism:</b> None			
<b>General Comments:</b> None			
Site Sensor Failures	Date Data Flagged	Why Data Flagged	Field Service Observations
None			

<b>Buoy Site:</b> 0 140W ADCP		<b>Mooring Depth:</b> 4316 m	
<b>Mooring Operation:</b> Deployment		<b>Mooring ID#:</b> CA019	



<b>Deployed Location:</b> 00-01.995N/140-01.748W	<b>Deployed Date:</b> 3/23/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> 3 m chain added above anchor to make mooring length.	

<b>Buoy Site:</b> 2S 140W Refresh			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM091A	
<b>Deployed Location:</b> 02-02.77S/140 00.71W		<b>Deployed Date:</b> 9/14/2014	
<b>Recovered Location:</b> 02-01.95S/139 59.51W		<b>Recovered Date:</b> 3/24/2015	
<b>Sensors/Equipment Lost at Sea:</b> Anemometer			
<b>Sensors Damaged/Fouled:</b> SSC connector broken			
<b>Fishing/Vandalism:</b> Long line wrapped around Nilspin and trailing off. Wind stanchion snapped off at the weak spot, anemometer missing. Paint scrapes on hull.			
<b>General Comments:</b> None			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service Observations</b>
Winds	2/11/15	Data failed. Suspected vandalism event.	Sensor lost. Upper stanchion gone. Cable ripped out of bird.
RH	12/14/14	Data failed.	None.

<b>Buoy Site:</b> 2S 140W	<b>Mooring Depth:</b> 4320 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM125A
<b>Deployed Location:</b> 02-01.66S/140 01.09W	<b>Deployed Date:</b> 3/24/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

<b>Buoy Site:</b> 5S 140W			
<b>Mooring Operation:</b> Recovery		<b>Mooring ID#:</b> DM090A	
<b>Deployed Location:</b> 05-00.79S/139 54.25W		<b>Deployed Date:</b> 9/13/2014	
<b>Recovered Location:</b> 05-01.35S/139 54.11W		<b>Recovered Date:</b> 3/25/2015	
<b>Sensors/Equipment Lost at Sea:</b> None			
<b>Sensors Damaged/Fouled:</b> None			
<b>Fishing/Vandalism:</b> None			
<b>Sensors/Tubes Downloaded:</b> Sent to Lab for download			
<b>Site Sensor Failures</b>	<b>Date Data Flagged</b>	<b>Why Data Flagged</b>	<b>Field Service</b>

			<b>Observations</b>
None			

<b>Buoy Site:</b> 5S 140W	<b>Mooring Depth:</b> 4352 m
<b>Mooring Operation:</b> Deployment	<b>Mooring ID#:</b> DM126A
<b>Deployed Location:</b> 05-00.9S/139 55.1W	<b>Deployed Date:</b> 3/26/2015
<b>Pre-Deployment On Deck Instrument Failures:</b> None	
<b>Sensors/Equipment Lost at Sea:</b> None	
<b>Sensors Damaged During Deployment:</b> None	
<b>General Comments:</b> None	

## 2.2 CTD Casts Completed

A Sea-Bird 911plus CTD with dual temperature and conductivity sensors was provided by the OMAO. Temperature and conductivity sensors are calibrated yearly at Sea-Bird and sent in for diagnostics as necessary.

The following outlines the CTD casts completed during the cruise:

<b>CTD Operations</b>				
<b>Coordinates LAT/LONG</b>		<b>Date</b>	<b>Cast #</b>	<b>Comments</b>
0801.7984N	12501.9114W	3/5/2015	RB20011	3000 m
0700.3399N	12459.3326W	3/6/2015	RB20021	1000 m
0559.9446N	12457.6119W	3/6/2015	RB20031	1000 m
0505.6028N	12456.1180W	3/7/2015	RB20041	1000 m
0400.2431N	12459.3499W	3/7/2015	RB20051	1000 m
0300.0295N	12501.8981W	3/7/2015	RB20061	1000 m
0158.0173N	12504.3302W	3/8/2015	RB20071	1000 m
0100.0379N	12445.2601W	3/8/2015	RB20081	1000 m
0010.0434S	12423.9441W	3/9/2015	RB20091	3000 m
0100.0569S	12435.7426W	3/9/2015	RB20101	1000 m
0203.0435S	12455.2582W	3/10/2015	RB20111	1000 m
0259.7541S	12454.2957W	3/11/2015	RB20121	1000 m
0359.9812S	12454.5739W	3/11/2015	RB20131	1000 m
0500.8880S	12455.4331W	3/11/2015	RB20141	1000 m
0559.9076S	12456.0154W	3/12/2015	RB20151	1000 m
0659.9111S	12457.4569W	3/12/2015	RB20161	1000 m
0758.1010S	12458.7555W	3/12/2015	RB20171	3000 m
0858.1785N	14016.2086W	3/18/2015	RB20181	3000 m
0800.3363N	14011.1817W	3/19/2015	RB20191	1000 m
0659.9944N	14007.6140W	3/19/2015	RB20201	1000 m

0600.0831N	14003.7914W	3/19/2015	RB20211	1000 m
0450.2800N	13956.2664W	3/20/2015	RB20221	1000 m
0400.1286N	14000.4454W	3/21/2015	RB20231	1000 m
0300.0138N	14001.4409W	3/21/2015	RB20241	1000 m
0159.4697N	14001.0030W	3/22/2015	RB20251	1000 m
0100.2827N	13958.4434W	3/22/2015	RB20261	1000 m
0001.3474N	13955.7109W	3/23/2015	RB20271	1000 m
0100.0235S	14001.4411W	3/24/2015	RB20281	1000 m
0201.5030S	14000.3993W	3/24/2015	RB20291	1000 m
0259.7253S	13958.1974W	3/25/2015	RB20301	1000 m
0359.9621S	13955.7764W	3/25/2015	RB20311	1000 m
0501.8848S	13954.8932W	3/26/2015	RB20321	3000 m

### 2.3 *Ancillary Science Projects Completed on the Cruise*

The following outlines the ancillary science work performed in conjunction with the TAO operations on the cruise:

#### Pacific Marine Environmental Laboratory (PMEL) Argo Profiling CTD Floats

Ten (10) Argo floats were scheduled for deployment on this cruise. All Argo Float deployments were completed as scheduled.

Questions concerning ARGO Floats should be directed to:

Gregory Johnson, NOAA/PMEL  
 Tel: (206) 526-6806  
 E-mail: [pmel\\_floats@noaa.gov](mailto:pmel_floats@noaa.gov)

or

Elizabeth Steffen, NOAA/PMEL  
 Tel: (206) 526-6747  
 E-mail: [pmel\\_floats@noaa.gov](mailto:pmel_floats@noaa.gov)

The following outlines the Argo floats deployed during the cruise:

<b>ARGO Floats</b>				
<b>Coordinates LAT/LONG</b>		<b>Date</b>	<b>SN#</b>	<b>Comments</b>
2018.7612N	12129.3820W	3/2/2015	469	
0504.7264N	12456.8801W	3/7/2015	446	
0157.8555N	12505.1909W	3/8/2015	445	
0010.0941S	12423.2325W	3/9/2015	444	
0203.5928S	12455.7677W	3/10/2015	447	
0500.7576N	13958.5432W	3/20/2015	450	
0151.6587N	14001.8736W	3/22/2015	449	
0001.0558N	14001.7308W	3/24/2015	448	
0202.0072S	14001.2339W	3/25/2015	451	
1029.8148S	14300.7382W	3/27/2015	452	

### Atlantic Oceanographic and Meteorological Laboratory (AMOL) Surface Drifting Floats

Twenty (20) AOML Surface Drifters were scheduled for deployment on this cruise. The chief scientist verified and briefed the Operations Officer on the deployment positions prior to the start of the cruise. All AOML Surface Drifter deployments were completed as scheduled.

Questions concerning AOML Surface Drifters should be directed to:

Shaun Dolk, NOAA/AOML  
Global Drifter Center,  
Tel: (305) 361-4546  
Fax: (305) 361-4436  
E-mail: [shaun.dolk@noaa.gov](mailto:shaun.dolk@noaa.gov)

The following outlines the AOML Drifting floats deployed during this cruise:

<b>AOML Floats</b>				
<b>Coordinates LAT/LONG</b>		<b>Date</b>	<b>SN#</b>	<b>Comments</b>
0504.6942N	12456.8042W	3/7/2015	62410680 & 62410690	NONE
0157.8567N	12505.1880W	3/8/2015	62410640 & 62410670	NONE
0203.5954S	12455.7691W	3/10/2015	115031 & 62410660	NONE
0500.8389S	12455.4467W	3/11/2015	1139487 & 139493	NONE
0500.7761N	13958.5441W	3/20/2015	139483 & 139495	NONE
0151.6639N	14001.8738W	3/22/2015	115023 & 115025 & 115024	NONE
0001.0667N	14001.7307W	3/24/2015	115022 & 115015 & 115018	NONE
0202.0056S	14001.2341W	3/25/2015	115019 & 115021	NONE
0501.0438S	13955.6960W	3/26/2015	115026 & 115020	NONE