



**NOAA Teacher at Sea**  
**Robert Oddo**  
**Onboard NOAA Ship *Ronald H. Brown***  
**July 11 – August 10, 2009**

**NOAA Teacher at Sea: Robert Oddo**

NOAA Ship Ronald H. Brown

Mission: PIRATA (Prediction and Research Moored Array in the Atlantic)

Geographic Area of Cruise: Tropical Atlantic

Date: July 13, 2009

**Weather Data from the Bridge**

Outside Temperature 27.7°C

Relative Humidity 80.16

Sea Temperature 28.2°C

Barometric Pressure 1013.76  
inches

Latitude 10° 21.11 N

Longitude 52° 13.67 W

**Science and Technology Log**

We have been steaming at full speed towards our first buoy. To the right you can see a picture of the replacement buoy that is on the back of the ship. This buoy will be lowered into the water using cranes on the ship and then anchored in place. These buoys are anchored on the bottom of the ocean, which



**The replacement PIRATA Buoy**

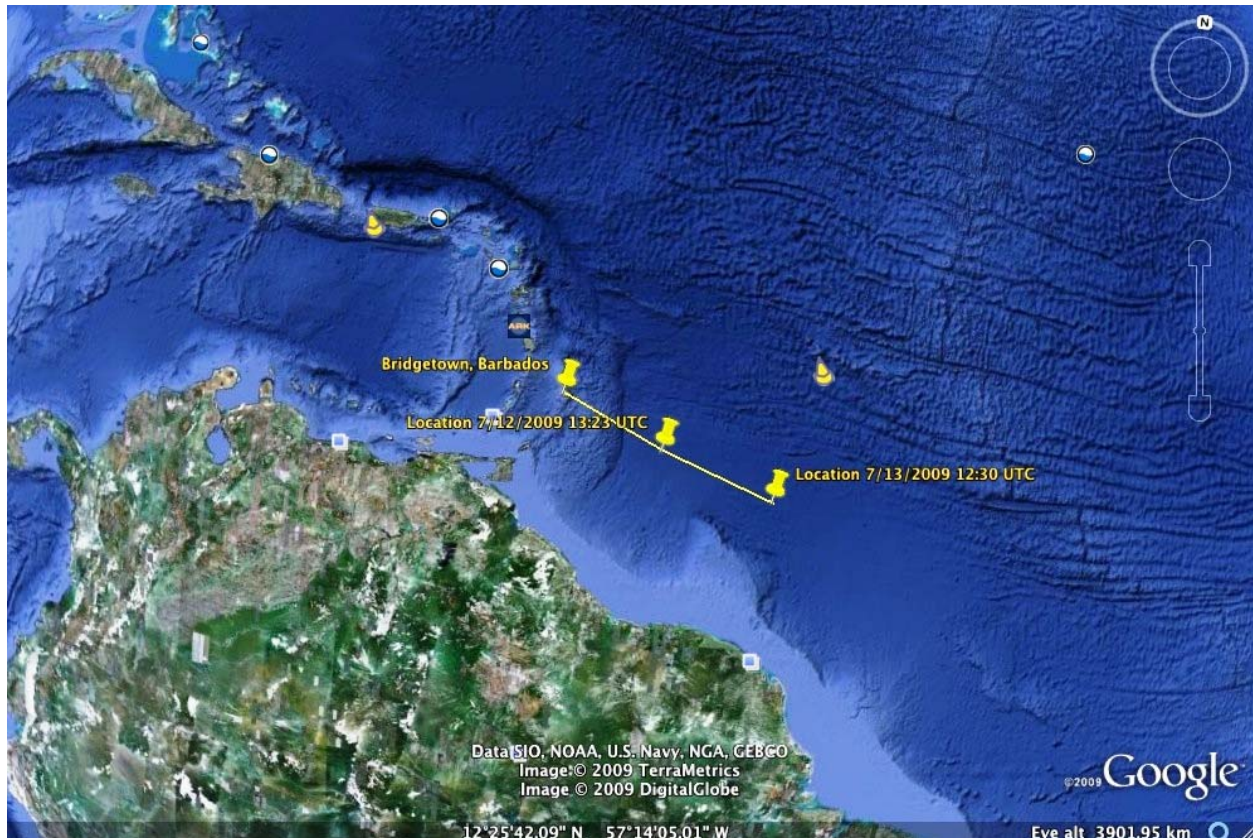


**Anchors for the buoys**



**ATLAS buoy instruments that will be redeployed**

is very deep here in the Tropical Atlantic. The ocean here right under this ship is 4,990 meters or 16,371 feet deep. That's a lot of chain to attach to the anchor!! A picture of the buoy instruments that will be redeployed are on the right. There are other instruments that extend down into the ocean.



Course we have taken since we departed from Bridgetown. More information about our current location from <http://shiptracker.noaa.gov>

### Personal Log

I was wondering how we were going to deal with time as we traveled to the East. A notice was put up yesterday telling us that we should change our clocks from 4 hours ahead of Greenwich Mean Time to 3 hours ahead of Greenwich Mean Time. This ship has things going on 24 hours, so it is really easy to lose track of time and the day.

All in all, it is pretty comfortable on board and the people are very friendly. If you need to take a break from your work you can watch a video, read in the library, or sit out on the back deck of the ship.



**We need to change the clocks as we move east.**