



**NOAA Teacher at Sea  
Susan Just  
Onboard NOAA Ship OREGON II  
June 14 – June 30, 2006**

**NOAA Teacher at Sea:** Susan Just  
NOAA Ship Oregon II  
Mission: Summer Groundfish Survey  
Day 6, Tuesday, June 20, 2006

**Weather Data from Bridge**

Visibility: 8-10 nautical miles (nm)  
Wind direction: 023 °  
Wind speed: 11.6  
Sea wave height: 1-2  
Swell wave height: 2-3  
Seawater temperature: 27.8  
Sea level pressure: 1012.5  
Cloud cover: 3/8 Cumulus

**Science and Technology Log**

Most of this watch will be spent steaming to the first southern station. Our ETA (estimated time of arrival) is 8:00 am. We are planning to do a full station meaning CTD, Neuston, and a Trawl. It is midnight now and I am hoping to get an interview with our Chief Scientist prior to beginning the station.

The first Bongo is scheduled for noon. Dan Carlson, a graduate student at Florida State University, is aboard researching his master's thesis. He is utilizing the water samples from the Bongo to learn more about the development and origination of red tides which bloom in the Gulf of Mexico.

I have just been put "in charge" of the Neuston for this station. That means I am responsible for seeing that the net is dragged for ten minutes, that the organisms which are gathered are washed down into the cod end and that the sample is then gathered and delivered to the plankton transfer table.

**Personal Log**

The Chief Scientist has been actively engaged with data collection and correction activities. I understand that a server has failed and that all time/date information must be hand entered into all data sheets. This is time consuming but very necessary for the sake of accuracy.

**Question of the Day**

What is red tide?

Answer: It is an organism, named *Karenia Brevis*, which produces a neurotoxin which, in turn, is toxic to virtually all sea life.