NOAA Teacher at Sea
Susie Hill
Onboard NOAA Ship ALBATROSS IV
July 23 – August 3, 2007

NOAA Teacher at Sea: Susie Hill
NOAA ship ALBATROSS IV
Mission: Sea Scallop Survey
Date: July 27, 2007
Time: 9:48 a.m.
North Atlantic Ocean

Weather Data from the Bridge
Air Temperature: 21° C
Set Temperature: 22° C
Relative Humidity: 100 %
Barometric Pressure: 1017.1 millibars
Wind Speed: 3.76 knots
Water Depth: 67.0 meters
Conductivity: 45.75 mmhos
Salinity: 32.13 ppt

Science and Technology Log
The weather has been very nice, sunny, and calm. Conditions were so clear last night that we could see fireworks far off into the distance. I'm getting into the routine of all of the stations- sorting for fish and scallops, weighing, measuring the length (or in scallop terms, shell height), counting starfish, and cleaning off the deck.

Today's focus is on the CTD meter that measures conductivity, temperature, and depth. This is the instrument that they use to determine the conditions of the water. It is lowered down to about 5-10 meters from the ocean floor about twice in a shift (12 hours). Some other results they also receive are pressure and salinity levels. These measurements are

collected at the surface as well as at the bottom. Once they receive all of the data, it is loaded into a computer and turned into a very colorful graph.

Scallops like to live in water temperatures of < 20° C and in water depths of up to 200 meters south of Cape Cod (Dvora Hart, WHOI, 2002).