



**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 12, Monday, June 26, 2006

**Weather Data from Bridge**

Visibility: 10 nautical miles (nm)  
Wind direction: 144 °  
Wind speed: 2.5  
Sea wave height: 0-1  
Swell wave height: 1  
Seawater temperature: 28.0  
Sea level pressure: 1013.2  
Cloud cover: 3/8 Altostratus

**Science and Technology Log**

Today we had stormy weather around us during the night. This caused the moon, if any, and the stars to be obscured and increased the intensity of darkness both above and below the surface. This may have been a factor which contributed to the amazing catch we made shortly after sunrise.

When the net was pulled in, it was obvious that it was very full. As it was lifted out of the water, it became clear that it contained many small fish, mostly Croker, approximately 4-5 inches in length. The unloaded catch was too much to be held in the fish box on deck. When they came along the conveyor belt, there were no snapper to be seen and very few shrimp. It appeared as if we had captured an entire school of fish. The final catch weight was 985 Kilos. Out of this, there were approximately four gallons of shrimp, all varieties included.

**Personal Log**

Today I worked at the beginning of the line instead of the end. All this time I have been primarily looking for shrimp and the select species which, on this cruise, is mainly red snapper. However, when I dug into the sample rather than the full catch, I had a great time. There were lots of terrific looking crabs that I've never seen. There were some interesting fish. I was surprised that I am actually able to decipher the differences between the species.

**Question of the Day**

Why are the conductivity, temperature and depth measurements important?

Answer: These pieces of data are used to compute salinity.