

Journal #2

1. 102200Z January 05
2. Position: Lat: 16-43.3S, LONG: 150-00.0W
3. Course: 180 T
4. Speed: 12.0 kts
5. Distance: 138.2 NM
6. Steaming Time: 12H 06M
7. Station Time: 08H 42M
8. Fuel: 2,783 gals
9. Sky: Cu, 4
10. Wind: 110-T, 24 kts
11. Sea: 110-T, 2-3 Ft
12. Swell: 120-T, 3-4 Ft
13. Barometer: 1011.2 Mb
14. Temperature: Air: 30.0 C, Sea: 28.9 C
15. Equipment Status: Normal
16. Comments: Departed Papeete, Tahiti at 100112 GMT.
MASTER, R/V ROGER REVELLE

We are working our way south and are doing the 6th CTD cast at 2am this morning. I am on the noon to midnight watch and am beginning to get caught up on my sleep and feel more energetic now. We are doing our first live broadcast at 12:30 PST today and I will show my students the main lab set up and introduce them to some of the groups working on the water analysis. These broadcasts will be recorded and edited so that later they can be either posted on the website or available on a CD along with other components of the cruise. My students are required to have questions ready for each broadcast based on what they are doing in class or what they see us doing out here. I will also be sending them questions that they need to research and answer in their own journals and post.

One of the groups working in the main lab are the CFC (chlorofluorocarbons) analysis from the Rosenthal School of Marine and Atmospheric Sciences. The team consists of Dr. David Cooper and Charlene Grall. I will post a diagram of CFC analysis from the last cruise that took these samples. We are repeating a run that was done in the 1990's and will be able to see the differences in concentrations of the various trace metals and dissolved gasses. I will also post a picture of the apparatus they are using to do the analysis.

Right now in class my students are learning about the constituents of seawater and concentrations of salts and trace metals as well as dissolved gasses. We will be looking at their distribution within different water masses and their relationship to Thermohaline circulation.

It is still really warm out here, in the 80s F and 30s C, the water is very warm also, at least at the surface. When the last cast came up we had a visitor of a gray shark swimming around the CTD as it came up. I am learning how to do different jobs in the deployment and sampling of the CTD. I learned to run the hydraulic boom yesterday to deploy and retrieve the CTD and also to be the person recording the sampling order of the bottles.

I took pictures of the whole science party on Sunday and Monday and will be putting up a board in the hallway with everyone's name and picture, I will post the same on the website. I will start doing some of my scientists and crew interviews today and doing the set up for my plankton tows.

I will post a description of this cruise and science goals on the Webpage for the cruise and more details on what my students are doing while I am at sea. In addition to the pictures I send with my logs the webmaster will be posting a photo album. I have asked the scientists to also send me their own websites to add as links to ours and to send me any photos they take and want posted during the cruise.

For questions please e-mail me at sea at: brice@rv-revelle.ucsd.edu