

Journal #9 Jan 17,2005

1. 172200Z January 05
2. Position: Lat: 29-30.0S, LONG: 150-00.3W
3. Course: On Station
4. Speed: 11.7 kts
5. Distance: 101.9 NM
6. Steaming Time: 08H 42M
7. Station Time: 15H 18M
8. Fuel: 1,845 gals
9. Sky: St, Sc 8
10. Wind: 070-T, 14 Kts.
11. Sea: 070-T, 2-3 Ft
12. Swell: 130-T, 5-7 Ft
13. Barometer: 1017.2 Mb
14. Temperature: Air: 25.5 C, Sea: 25.0 C
15. Equipment Status: Normal
16. Comments:
MASTER, R/V ROGER REVELLE

The weather is definitely not going back to beautiful and sunny. We received a bad weather warning today from the Captain: see below

All Hands,

Please secure your rooms and working spaces. The current weather pattern is for rougher conditions. Thank you Dave

25s to 55s and 170w to 120w.

Issued by meteorological service of New Zealand, Wellington at 1932utc

warnings in force: 174 175

situation and forecast issued at 181938z valid until 191800z.

Poor visibility in showers within 60 miles of low 1011hpa 27s 121w moving southeast 15kt. High 1021hpa 37s 137w moving east 10kt. Poor visibility in showers within 60 miles of front 25s 157w 33s 155w 38s 158w moving southeast 20kt. Within 420 miles east and southeast of front: northerly 25kt with gales as in warning 175 and with heavy swell. Low 1003hpa 38s 159w moving southeast 10kt. Poor visibility in showers within 60 miles of front 38s 165w 48s 150w 51s 134w 55s 133w moving east 30kt. Poor visibility

in showers within 60 miles of front 42s 177w 47s 170w 55s 161w moving eastnortheast 25kt. East of front south of 44s: westerly 25kt with gales as in warning 174 and with heavy swell. Southwest of front: southwest 25kt.

We all had to check our gear and make sure it was securely tied down or put away...flying objects in your cabin or the lab are no fun to duck! The crew was out on the deck securing the lab vans and anything else that might move with chains.

View from the port side behind the main lab



We are still on schedule, actually a little ahead on our CTD casts. We are at about 32'S and are almost 1/3 done.

Scott Hiller, the Marine tech is bringing out the CTD for a cast.

As you can see in the photo, the CTD slides on a rail to the side of the ship and then the winch pulls it up and the boom takes it out over the water, it is then lowered to just above the bottom. Within 10 meters. The samples are taken on the trip up being tripped at regular intervals. About a 100 m each until the last 400m then every 50 meters. Salinity, temp, pressure are being recorded all the way up on the computer.

The CTD has 36 sample bottles visible, 18 on the inside and 18 on the outside. There is also an acoustic package on the bottom that send out a sonar beep to locate the bottom. It is receive in the lab and lets the CTD controller keep the rosette from actually hitting the bottom.

The winch driver and the lab are in constant contact. The lab tells the winch driver when to stop at each sampling station, the winch driver stops for 25 seconds as the bottle is tripped, then proceeds to the next station.

CTD being lowered into the water.

