Cast 43

Station 41

January 21, 05:54:52

-76 26.03, 178 01.55

371 m depth

This station (RBNW3) is the third of a SE to NW section across Ross Bank.

Mixed layer to 25 m with a surface temperature of 0.7C. There is a slight temperature increase of 0.1C at the bottom of the mixed layer.

Fluorescence extends through top 50 m with a peak value of 5 mg/m^3 at 25 m.

The thermocline spans 30 to 80 m. There is a linear decrease of temperature and increase of salinity from 50 to 230 m. There is a slight Tmax in the depth range 210 to 240. This may indicate a weak influence of CDW.

Conditions below 250 m to the bottom are basically uniform with temperature at freezing and uniform salinity.

There is very weak evidence for CDW and no evidence for ISW at this station.



