Cast 6

Station 5

January 9, 18:24

-75 53 -175 2

507 m depth

This station was taken to sample water on the shelf outside of Eddy 1.

This station is mainly modified shelf water below a 20 m surface mixed layer. There is modest chlorophyll in the mixed layer. Most of the water column below the mixed layer is modified shelf water with a faint hint of CDW.

The surface mixed layer is about 20 m thick. Surface temperature is -.5C. Peak fluorescence is around 6 mg/m3 at 15 m.

The Tmin layer (winter water) is between 50 and 75 m with a temperature of -1.7.

There is a very slight warming (-1.4C) between 250 and 350 m with indications of interleaving. Temperature and Oxygen values are anti-correlated as expected. This layer shows a faint influence of CDW.

A higher salinity layer exists below 450 m (to the bottom) with salinity of 34.68 and temperatures at freezing -1.92.



