Cast 23

Station 22

January 17, 09:15

-76 32, 174 15

507 m depth

This station (LB1N2) is at the north end of a north-south line of stations sampling the low biomass area.

A surface layer extends to about 35 m with slightly increasing salinity and decreasing temperature.

There is a fluorescence max of about 10 mg/m^3 at 40 m.

There is a layer of water at 200 m (about 100 m thick) that is about 0.4C warmer than surrounding waters with a weak decrease in O2. This could be the weak influence of CDW. The layer give the appearance of layering between two water masses of the same density but with different T and S (layering instability).

Water below 300 m is freezing with little variability.

There is no indication of ISW.



