Cast 10

Station 9

January 14, 01:27

-76 40, 174 15

435 m depth

This station is east of the high biomass and was chosen to be the low biomass comparison to the center of the high biomass feature.

The surface mixed layer is about 35 m thick. There is reduced transmissivity from 20 to 40 m. The fluorescence is high between 30 and 50 m with a max value of 5 mg/m^3.

The water cools below the mixed layer becoming about freezing at 100 m depth.

There is slight warming between 150 and 200 m with a Tmax of -1.6 C at 175 m.

Below 300 m, the temperature is near freezing. Salinity increases linearly with depth to about 34.7 at 380 m depth. There is a layer (50 m thick) at the bottom with uniform salinity.



