Cast 69

Station 67

January 25, 16:18:52

-77 36.48, 177 59.95

758 m depth

This is the last station of an east to west section through the eddy by the Ross Ice Shelf.

The mixed layer extends to 40 m with a temperature of 0.0C. Higher fluorescence extends through the mixed layer with a peak of 10 mg/m^3 at 30 m.

There is a thin layer (40 m) of elevated temperature and decreased oxygen at 320 m which is CDW.

A layer of temperature below freezing covers 340 to 410 m depth indicating ISW. There is a reduced vertical slope of salinity through the ISW layer.

Temperature increases to freezing below 420 m.

There is an extended layer (150m thick) at the bottom with linearly decreasing (towards the bottom) oxygen.



