Cast 62

Station 60

January 24, 15:26:16

636 m depth

This station (RIS3) is the third in an east to west section in the front of the Ross Ice Shelf.

There is a surface mixed layer to 100 m with two old layers below; a colder, 20 m thick layer and a warmer 20 m thick layer. Fluorescence is high to about 150 m with a value of about 13 mg/m^3, except for the colder layer which has reduced fluorescence.

Temperature is about freezing at 300 m. Water is below freezing from 350 to 500 m indicating ISW. Temperature increases to freezing below 500 m.

There is a very faint indication of CDW at 250 m where water is slightly warmer with reduced oxygen.



