Cast 61

Station 59

January 24, 13:30:44

-77 45.37, -179 37.41

654 m depth

This station (RIS2) is the second station along an east to west section along the front of the Ross Ice Shelf.

The surface mixed layer extends to 100 m with a deep Tmax at about 80 m. Surface temperature is -0.7C. Fluorescence increases from the surface to a peak of 15 mg/m^3 at 80 m.

Subsurface temperatures reduces to about freezing at 200 m. There is a Tmax at 260 m linked to a decline in oxygen indicative of CDW.

All temperatures between 380 and 540 m are below freezing indicating ISW.

Temperature below 540 m increases to freezing.



