Cast 63

Station 61

January 24, 20:30:06

-77 44.91, 178 43.16

727 m depth

This station (RIS4) is part of an east to west section in front of the Ross Ice Shelf.

The surface mixed layer extends to 70 m with a surface temperature of -0.4C.. Higher fluorescence covers the mixed layer with a peak of 16 mg.m^3 at 50 m. The mixed layer temperature increases with depth.

There is a very slight temperature increase and oxygen decrease at 280 m indicating CDW.

Temperature is below freezing from 400 to 600 m indicating ISW. Water below 600 meters warms to freezing. The vertical salinity gradient increases below 400 m.



