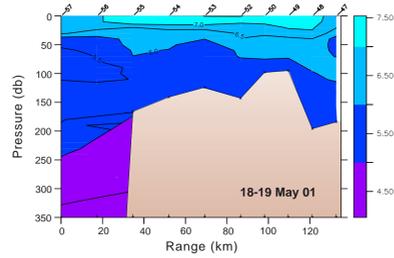
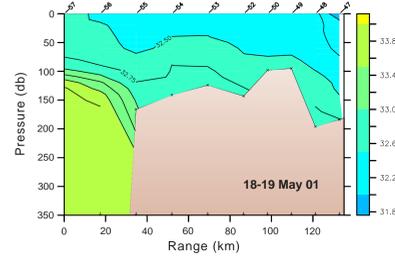


Fairfield/  
FOCI Line

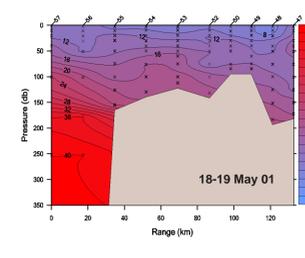
Temperature



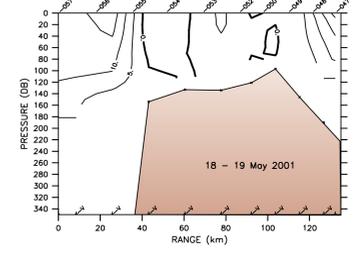
Salinity



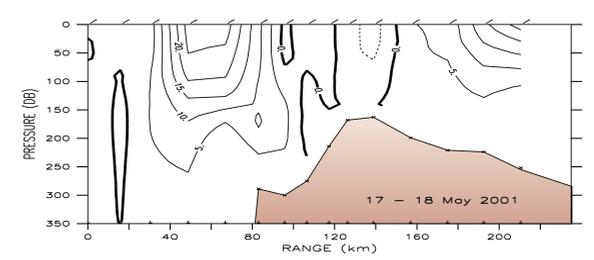
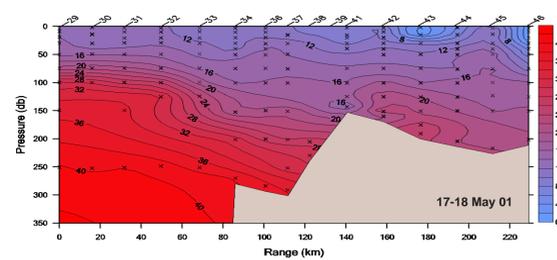
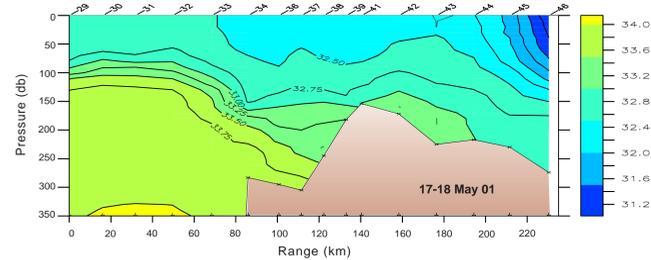
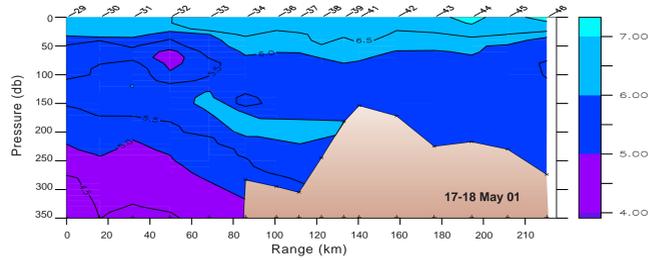
Nitrate



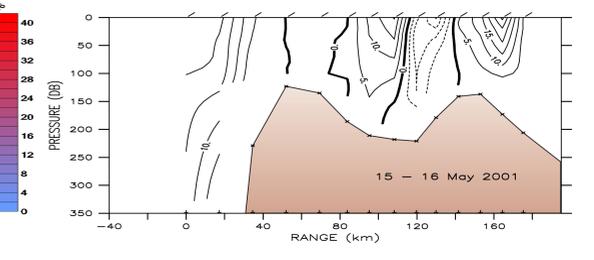
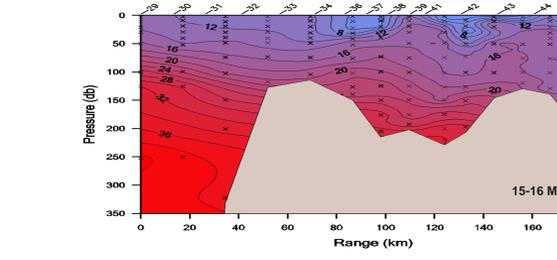
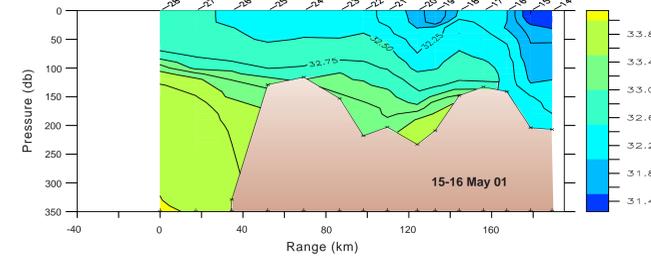
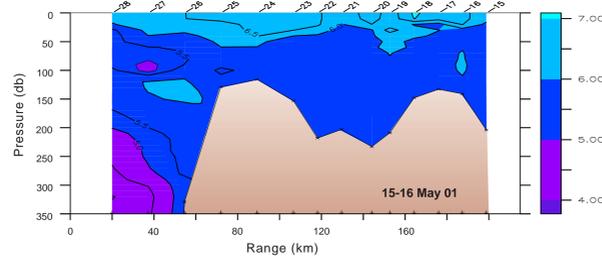
Geostrophic Velocity



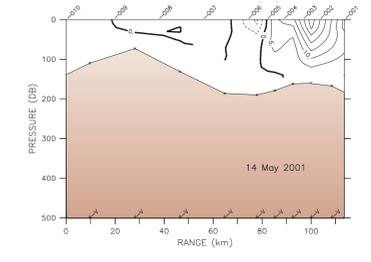
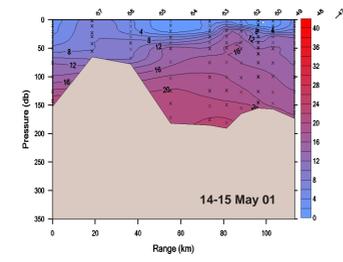
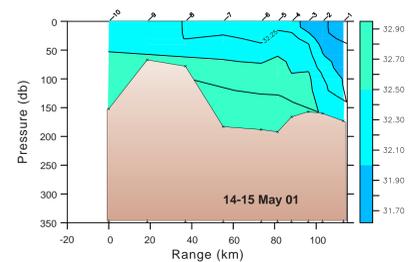
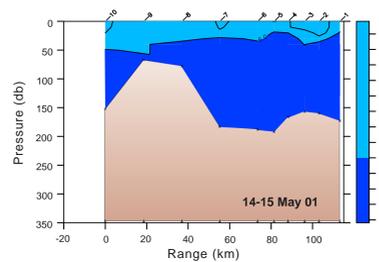
Seward/  
GAK Line



Seal Rock  
Line



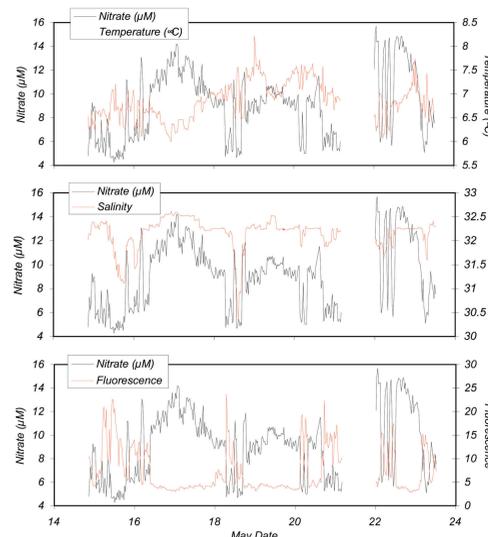
Gore Point  
Line



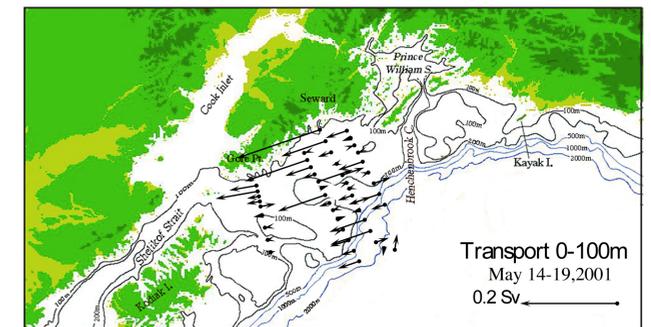
Shown are the results of four hydrographic transects from the NOAA ship Ron Brown cruise May 13-20, 2001.

- Significant small scale (10 km) differences as well as large scale similarities among lines are apparent in T, S and NO<sub>3</sub>.
- The ACC can be seen in the geostrophic velocities
- Computed transports vary dramatically along and between transects.
- Underway time series show fronts in sea surface T and S.
- Surface NO<sub>3</sub> was significantly correlated with fluorescence but not T or S.
- Surface NO<sub>3</sub> could be predicted from FI, T and S to  $\pm 2 \mu\text{M}$ .

Seachest



Surface Data



Surface Data