

Oc679 Homework Assignment #1

assigned: 10 Jan 2012

due: 22 Jan 2012

- 1) Get seasonal ocean profiles of T,S,p from Levitus data along 150W from 45S to 45N. I think these are 1 degree resolution but 5 degrees would be fine (though not much less work). You can get these at <http://ingrid.ldgo.columbia.edu/SOURCES/.LEVITUS94/>. Use Seawater routines to compute and contour plot potential temperature θ , potential density σ_θ , and sound speed, c. Comment on temporal variability.

get Oceans toolbox at <http://woodshole.er.usgs.gov/operations/sea-mat/>