

GG 140 - The Atmosphere, the Ocean and Environmental Change with Professor Ronald B. Smith

Lecture 21 – Ocean Water Density and Atmospheric Forcing

1. Evaporation-precipitation. Image credit: unknown. http://www.ecmwf.int/research/era/ERA-40 Atlas/docs/section_B/charts/B12_LL_YEA.html (Accessed Oct. 20, 2011)
3. Winds over the ocean. Image credit: adapted from M. Tomczak and J.S. Godfrey (1994) Regional Oceanography: An Introduction, London: Pergamon. <http://people.hofstra.edu/geotrans/eng/ch1en/conc1en/windpatterns.html> (Accessed Oct. 20, 2011)
5. Ekman Layer. Image credit: adapted from Thurman, Harold V. Essentials of Oceanography, 5th ed. Prentice-Hall, Inc., 1996 http://www-pord.ucsd.edu/~ltalley/sio210/dynamics_ekman/index.html (Accessed Oct. 20, 2011)
9. Atlantic Ocean thermohaline circulation. Image credit: unknown. <http://mail.tku.edu.tw/086138/EnvFutures/WebPages/Global%20warming/Thermohaline%20Circulation.htm> (Accessed Oct. 20, 2011)
14. Atlantic vs Pacific salinity. Image credit: unknown. <http://www.seafriends.org.nz/oceano/seawater.htm> (Accessed Oct. 20, 2011)
15. Thermohaline conveyor belt circulation. Image credit: unknown. <http://politicalclimate.wordpress.com/2010/03/> (Accessed Oct. 20, 2011)
16. Estuary circulation. Image credit: unknown. <http://www.stonybrook.edu/soundscience/> (Accessed Oct. 20, 2011)
17. Mediterranean Sea. Image credit: Graphic Maps. <http://www.graphicmaps.com/> (Accessed Oct. 20, 2011)
19. Winds over the ocean. Image credit: adapted from M. Tomczak and J.S. Godfrey (1994) Regional Oceanography: An Introduction, London: Pergamon. <http://people.hofstra.edu/geotrans/eng/ch1en/conc1en/windpatterns.html> (Accessed Oct. 20, 2011)
20. Ocean "topography." Image credit: NASA JPL. <http://sealevel.jpl.nasa.gov/newsroom/pressreleases/index.cfm?FuseAction=ShowNews&NewsID=126> (Accessed Oct. 20, 2011)