

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

Lecture 17 – Seasons and Climate

2. General Circulation. Image credit: Brad Muller.

http://wx.db.erau.edu/faculty/mullerb/Wx365/General_circulation/general_circulation.html (Accessed Oct. 12, 2011)

3. Annual Precipitation (Land). Image credit: H.L. Penman

http://hercules.gcsu.edu/~sdatta/home/teaching/hydro/slides/global_precip1.gif (Accessed Oct. 12, 2011)

4. Annual Average Precipitation. Image credit: Global Precipitation Climatology Project. http://www-das.uwyo.edu/~geerts/cwx/notes/chap10/global_precip.html (Accessed Oct. 12, 2011)

5. Zonal Mean Precipitation. Image credit: NASA and wikipedia user Atmoz.

http://en.wikipedia.org/wiki/File:Monthly_zonal_mean_precipitation.png (Accessed Oct. 12, 2011)

6. Annual Average Precipitation. Image credit: Oregon Climate Service. http://www.wrcc.dri.edu/pcpn/us_precip.gif (Accessed Oct. 12, 2011)

7. Annual Precipitation. Image credit: Spatial Climate Analysis Service, Oregon State University.

http://ponce.sdsu.edu/california_average_annual_precipitation.html (Accessed Oct. 12, 2011)

8. Annual Average Precipitation (Oregon). Image credit: Oregon Climate Service. <http://www.wrcc.dri.edu/pcpn/or.gif> (Accessed Oct. 12, 2011)

9. Annual Average Precipitation Alaska-Yukon. Image credit: Spatial Climate Analysis Service, Oregon State University.

<http://www.pitt.edu/~mabbott1/climate/mark/Images/AK-PPT-mm.gif>. (Accessed Oct. 12, 2011)

10. Annual Average Precipitation Arizona. Image credit: Oregon Climate Service. <http://www.wrcc.dri.edu/pcpn/az.gif> (Accessed Oct. 12, 2011)

13. Continentality. Image credit: Michael W. Binford.
http://www.clas.ufl.edu/users/mbinford/geo2200/lecture_questions/2010_questions/global_temp_variation_5ed.jpg. (Accessed Oct. 12, 2011)
14. Annual Range of Temperature. Image credit: NOAA OCS.
15. Seasonal Range in Temperature. Image credit: Alaska Geospatial Climate Animations.
http://instaar.colorado.edu/QGISL/AGCA/images/tmp_seasonal_range.jpg (Accessed Oct. 12, 2011)
16. Ocean Currents and Climate. Image credit: Steven Dutch. <http://www.uwgb.edu/dutchs/EarthSC102Notes/102TheOceans.HTM>
(Accessed Oct. 12, 2011)
17. Biome: Relationship between climate and vegetation. Image credit: RH Whittaker
http://www.marietta.edu/~biol/biomes/biome_main.htm (Accessed Oct. 12, 2011)
19. Seasons and Earth Orbit. Image credit: World Maps Online. <http://www.worldmapsonline.com/LESSON-PLANS/6-changing-seasons-globe-lesson-15.htm> (Accessed Oct. 12, 2011)
23. Earth Orbit. Image credit: unknown. <http://www.personal.soton.ac.uk/ejr/DarkMed/ch5.html> (Accessed Oct. 12, 2011)
24. Daily average solar insolation. Image credit: Pidwirny, M. <http://www.physicalgeography.net/fundamentals/6i.html> (Accessed Oct. 12, 2011)
27. Shifting ITCZ. Image credit: Rajesh Kapadia. http://rajesh26.blogspot.com/2010_05_01_archive.html (Accessed Oct. 12, 2011)