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

Lecture 15 – Convective Storms

Storms slide deck

- 1. Severe Thunderstorm. Image credit: M. Pidwirny. http://www.physicalgeography.net/fundamentals/7t.html (Accessed Oct. 5, 2011)
- 4. Airmass Thunderstorms. Image credit: NOAA, Adapted from Byers and Braham. http://www.wrh.noaa.gov/fgz/science/svrwx.php?wfo=fgz (Accessed Oct. 5, 2011)
- 5. Squall Line Thunderstorm. Image credit: University of Illinois. http://ww2010.atmos.uiuc.edu/%28Gl%29/guides/mtr/svr/modl/line/squall.rxml (Accessed Oct. 5, 2011)
- 6. Severe Thunderstorm. Image credit: M. Pidwirny. http://www.physicalgeography.net/fundamentals/7t.html (Accessed Oct. 5, 2011)
- 7. Tornado condensation funnel and debris funnel. Image credit: weatherquestions.com http://www.weatherquestions.com/What_causes_tornadoes.htm (Accessed Oct. 5, 2011)
- 8. Tornado. Image credit: Daria Lopez-Alegria. http://www.spacebridges.com/S3-blog-English/?Tag=Math (Accessed Oct. 5, 2011)
- 9. Lightning. Image credit: Luxorion. http://www.astrosurf.com/luxorion/Decors/logo-lightning.jpg (Accessed Oct. 5, 2011)
- 10. Hail stones. Image credit: NWS Flagstaff. http://www.wrh.noaa.gov/fgz/science/svrwx.php?wfo=fgz (Accessed Oct. 5, 2011)
- 11. Thunderstorm Frequency. Image credit: John P. Stimac. http://www.ux1.eiu.edu/~cfjps/1400/tstorms.html (Accessed Oct. 5, 2011)
- 12. Summer Thunderstorm Time of Day. Image credit: Yanping Li and Ron Smith
- 13. Tornado Frequency. Image credit: John P. Stimac. http://www.ux1.eiu.edu/~cfjps/1400/tstorms.html (Accessed Oct. 5, 2011)

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- 14. Greensburg, KS May 2007. Image credit: John Sinteur. http://weblog.sinteur.com/index.php/2007/05/06/aerials-of-greensburg-tornado-damage/ (Accessed Oct. 5, 2011)
- KAKE Greensburg Tornado May 4, 2007 (Solo 1). Video credit: KAKE-TV Wichita, Kansas. http://www.youtube.com/watch?v=ZHbqqgFZJMw&feature=results_main&playnext=1&list=PL2788582A8752C860 (Accessed Oct. 5, 2011)
- 16. Hurricane Regions. Image credit: Wikipedia user Nilfanion. http://en.wikipedia.org/wiki/File:Global_tropical_cyclone_tracks-edit2.jpg (Accessed Oct. 5, 2011)
- 18. Hurricane Isabel: 2003. Image credit: University of Wisconsin-Madison, Space Science Engineering Center (CIMSS) http://tropic.ssec.wisc.edu/storm_archive/2003/storms/isabel/ISABEL1A.GIF (Accessed Oct. 5, 2011)
- 19. Hurricane graphic. Image credit: NWS Corpus Christi, TX. http://www.srh.noaa.gov/crp/?n=education-hurricanes (Accessed Oct. 5, 2011)
- 21. Long Island Express: 1938. Image credit: Wikipedia user Cyclonebiskit. http://en.wikipedia.org/wiki/File:1938_New_England_hurricane_track.png (Accessed Oct. 5, 2011)
- 22. Hurricane Irene: 2011. Image credit: Wikipedia user Cyclonebiskit. http://en.wikipedia.org/wiki/File:Irene_2011_track.png (Accessed Oct. 5, 2011)
- 23. Hurricane Katrina. Image credit: Wikipedia user Nilfanion. http://en.wikipedia.org/wiki/File:Katrina_2005_track.png (Accessed Oct. 5, 2011)
- 24. Hurricane Katrina. Image credit: NOAA. http://www.katrina.noaa.gov/ (Accessed Oct. 5, 2011)
- 25. Hurricane frequency. Image credit: Shaun Marker http://www.propertyinsurancecoveragelaw.com/tags/hurricane-prediction/ (Accessed Oct. 5, 2011)

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27. Frontal Cyclone. Image credit: Canadian Meteorological and Oceanographic Society. http://www.cmos.ca/ProjectAtmosphere/module1 hazardous weather e.html (Accessed Oct. 5, 2011)