



## **NOAA in Your Backyard – The Central Region**

*Educational Opportunities and Education and Outreach Specialists for WV, TN, KY, IA, MO, AR, OK, NE, KS, ND, SD, CO and WY*

### **NOAA in Your State – State by State Listings of NOAA Facilities and Programs**

*\* A summary of NOAA facilities, staff, programs, or activities based in, or focused on, your state or territory.*

- <http://www.legislative.noaa.gov/NIYS/>

### **National Weather Service – School Visits, Forecast Office Tours, Student and Educator Resources**

*\* The National Weather Service provides weather, hydrologic, and climate forecasts and warnings for the United States, its territories, adjacent waters and ocean areas.*

- **Charleston Weather Forecast Office (Charleston, WV)** – <http://www.weather.gov/rlx/>  
Contact: Faith Borden (Warning Coordination Meteorologist) - [faith.borden@noaa.gov](mailto:faith.borden@noaa.gov)
- **Jackson Weather Forecast Office (Jackson, KY)** – <http://www.weather.gov/jkl/>  
Contact: Tony Edwards (Warning Coordination Meteorologist) - [tony.edwards@noaa.gov](mailto:tony.edwards@noaa.gov)
- **Louisville Weather Forecast Office (Louisville, KY)** – <http://www.weather.gov/lmk/>  
Contact: Joe Sullivan (Warning Coordination Meteorologist) - [joe.sullivan@noaa.gov](mailto:joe.sullivan@noaa.gov)
- **Paducah Weather Forecast Office (Paducah, KY)** – <http://www.weather.gov/pah/>  
Contact: Ricky Shanklin (Warning Coordination Meteorologist) - [ricky.shanklin@noaa.gov](mailto:ricky.shanklin@noaa.gov)
- **Nashville Weather Forecast Office (Old Hickory, TN)** – <http://www.weather.gov/bna/>  
Contact: Krissy Hurley (Warning Coordination Meteorologist) - [krissy.hurley@noaa.gov](mailto:krissy.hurley@noaa.gov)
- **Knoxville/Tri-Cities Weather Forecast Office (Morristown, TN)** – <http://www.weather.gov/mrx/>  
Contact: Anthony Cavallucci (Warning Coordination Meteorologist) - [anthony.cavallucci@noaa.gov](mailto:anthony.cavallucci@noaa.gov)
- **Memphis Weather Forecast Office (Memphis, TN)** – <http://www.weather.gov/meg/>  
Contact: Gary Woodall (Warning Coordination Meteorologist) - [gary.woodall@noaa.gov](mailto:gary.woodall@noaa.gov)
- **Little Rock Weather Forecast Office (North Little Rock, AR)** – <http://www.weather.gov/lzk/>  
Contact: Christopher Buonanno (Acting Warning Coordination Meteorologist) - [christopher.buonanno@noaa.gov](mailto:christopher.buonanno@noaa.gov)
- **Springfield Weather Forecast Office (Springfield, MO)** – <http://www.weather.gov/sgf/>  
Contact: Steve Runnels (Warning Coordination Meteorologist) - [steve.runnels@noaa.gov](mailto:steve.runnels@noaa.gov)
- **Des Moines Weather Forecast Office (Johnston, IA)** – <http://www.weather.gov/dmx/about#tab6>  
Contact: Kelsey Angle (Warning Coordination Meteorologist) - [kelsey.angle@noaa.gov](mailto:kelsey.angle@noaa.gov)
- **Bismarck Weather Forecast Office (Bismarck, ND)** – <http://www.weather.gov/bis/>  
Contact: John Paul Martin (Warning Coordination Meteorologist) - [john.paul.martin@noaa.gov](mailto:john.paul.martin@noaa.gov)
- **Aberdeen Weather Forecast Office (Aberdeen, SD)** – <http://www.weather.gov/abr/>  
Contact: Kelly Serr (Meteorologist) - [kelly.serr@noaa.gov](mailto:kelly.serr@noaa.gov)
- **Sioux Falls Weather Forecast Office (Sioux Falls, SD)** – <http://www.weather.gov/fsd/>  
Contact: Todd Heitkamp (Warning Coordination Meteorologist) - [todd.heitkamp@noaa.gov](mailto:todd.heitkamp@noaa.gov)
- **Rapid City Weather Forecast Office (Rapid City, SD)** – <http://www.weather.gov/unr/>  
Contact: Susan Sanders (Warning Coordination Meteorologist) - [susan.sanders@noaa.gov](mailto:susan.sanders@noaa.gov)
- **Omaha Weather Forecast Office (Valley, NE)** – <http://www.weather.gov/oax/>  
Contact: Brian Smith (Warning Coordination Meteorologist) - [brian.e.smith@noaa.gov](mailto:brian.e.smith@noaa.gov)
- **Hastings Weather Forecast Office (Hastings, NE)** – <http://www.weather.gov/gid/>  
Contact: Michael Moritz (Warning Coordination Meteorologist) - [michael.moritz@noaa.gov](mailto:michael.moritz@noaa.gov)
- **North Platte Weather Forecast Office (North Platte, NE)** – <http://www.weather.gov/lbf/>  
Contact: Teresa Keck (Meteorologist in Charge) - [teresa.keck@noaa.gov](mailto:teresa.keck@noaa.gov)
- **Goodland Weather Forecast Office (Goodland, KS)** – <http://www.weather.gov/gld/>  
Contact: David Floyd (Warning Coordination Meteorologist) - [david.l.floyd@noaa.gov](mailto:david.l.floyd@noaa.gov)



- **Dodge City Weather Forecast Office (Dodge City, KS)** – <http://www.weather.gov/ddc/>  
Contact: Jeff Hutton (Warning Coordination Meteorologist) - [jeff.hutton@noaa.gov](mailto:jeff.hutton@noaa.gov)
- **Wichita Weather Forecast Office (Wichita, KS)** – <http://www.weather.gov/ict/>  
Contact: Chance Hayes (Warning Coordination Meteorologist) - [chance.hayes@noaa.gov](mailto:chance.hayes@noaa.gov)
- **Topeka Weather Forecast Office (Topeka, KS)** – <http://www.weather.gov/top/>  
Contact: Chad Omitt (Warning Coordination Meteorologist) - [chad.omitt@noaa.gov](mailto:chad.omitt@noaa.gov)
- **Norman Weather Forecast Office (Norman, OK)** – <http://www.weather.gov/oun/>  
Contact: Richard Smith (Warning Coordination Meteorologist) - [richard.smith@noaa.gov](mailto:richard.smith@noaa.gov)
- **Tulsa Weather Forecast Office (Tulsa, OK)** – <http://www.weather.gov/tsa/>  
Contact: Ed Calianese (Warning Coordination Meteorologist) - [ed.calianese@noaa.gov](mailto:ed.calianese@noaa.gov)
- **Pueblo Weather Forecast Office (Pueblo, CO)** – <http://www.weather.gov/pub/>  
Contact: Thomas Magnuson (Warning Coordination Meteorologist) - [thomas.magnuson@noaa.gov](mailto:thomas.magnuson@noaa.gov)
- **Denver Weather Forecast Office (Boulder, CO)** – <http://www.weather.gov/bou/>  
Contact: Robert Glancy (Warning Coordination Meteorologist) - [robert.glancy@noaa.gov](mailto:robert.glancy@noaa.gov)
- **Grand Junction Weather Forecast Office (Grand Junction, CO)** – [http://www.weather.gov/gjt/education\\_corner](http://www.weather.gov/gjt/education_corner)  
Contact: James Pringle (Warning Coordination Meteorologist) - [james.pringle@noaa.gov](mailto:james.pringle@noaa.gov)
- **Cheyenne Weather Forecast Office (Cheyenne, WY)** – <http://www.weather.gov/cys/>  
Contact: Chad Hahn (Warning Coordination Meteorologist) - [chad.hahn@noaa.gov](mailto:chad.hahn@noaa.gov)
- **Riverton Weather Forecast Office (Riverton, WY)** – <http://www.weather.gov/riw/>  
Contact: Chris Jones (Meteorologist) - [chris.jones@noaa.gov](mailto:chris.jones@noaa.gov)

**Cooperative Institute for Research in the Atmosphere (CIRA)** – *Student and Teacher Opportunities, Real-time Data, Local Events*  
\*CIRA's vision is to conduct interdisciplinary research in the atmospheric sciences by entraining skills beyond the meteorological disciplines and exploiting advances in engineering and computer science to assist NOAA, Colorado State University, the State of Colorado, and the Nation through the application of their research to areas of societal benefit.

- **Located in Fort Collins, CO** – <http://www.cira.colostate.edu/research/theme-overview/outreach-research>  
Contact: Matt Rogers (CIRA Education and Outreach Coordinator) - [matthew.rogers@colostate.edu](mailto:matthew.rogers@colostate.edu)

**Cooperative Institute for Research in Environmental Sciences (CIRES)** – *Educator Workshops and Resources, Student Opportunities*  
\*CIRES is a partnership between NOAA and the University of Colorado-Boulder in their areas of expertise including weather and climate, changes at Earth's poles, air quality and atmospheric chemistry, water resources, and solid Earth sciences.

- **Located in Boulder, CO** – <http://cires.colorado.edu/education/>  
Contact: Susan Sullivan (CIRES Education and Outreach Director) - [susan.sullivan@colorado.edu](mailto:susan.sullivan@colorado.edu)

**Cooperative Institute for Mesoscale Meteorology Studies (CIMMS)** – *Educator Resources, Student Opportunities, Publications*  
\*CIMMS promotes collaborative research between NOAA and the University of Oklahoma scientists on problems of mutual interest to improve basic understanding of mesoscale meteorological phenomena, weather radar, and regional climate to help produce better forecasts and warnings that save lives and property.

- **Located in Norman, OK** – <http://www.cimms.ou.edu/outreach/>  
Contact: Tanya Schoor (Science Writer/Meteorologist) – [tanya.schoor@noaa.gov](mailto:tanya.schoor@noaa.gov)

**National Severe Storms Laboratory (NSSL)** – *Educator Resources, Student Opportunities, Outreach Events, Severe Weather 101*  
\*The NSSL serves to enhance NOAA's capabilities to provide accurate and timely forecasts and warnings of hazardous weather events through research to advance the understanding of weather processes, research to improve forecasting and warning techniques, and development of operational applications.

- **Located in Norman, OK** – <http://www.nssl.noaa.gov/education/>  
Contact: Tanya Schoor (Science Writer/Meteorologist) – [tanya.schoor@noaa.gov](mailto:tanya.schoor@noaa.gov)

**Storm Prediction Center (SPC)** – *Educator and Student Resources, Office Tours, Forecasts*  
\*The SPC issues forecasts and watches for severe thunderstorms and tornadoes over the contiguous United States. They also monitor heavy rain, heavy snow and fire weather events across the U.S. and issue specific national products for those hazards.

- **Located in Norman, OK** – <http://www.spc.noaa.gov>  
Contact: Gregory Carbin (Warning Coordination Meteorologist) - [gregory.carbin@noaa.gov](mailto:gregory.carbin@noaa.gov)

### **Space Weather Prediction Center (SWPC)** – Multimedia, Lesson Plans, Career Profiles, Training Modules

*\*The SWPC is the national and world warning center for space weather events. They provide the Nation with critical space weather forecasts, warnings and alerts to protect life and property in space, in the air, at sea, and on the land.*

- **Located in Boulder, CO** – <http://www.swpc.noaa.gov/content/education-and-outreach>  
Contact: Bill Murtagh (Senior Forecaster/Program Coordinator) - [william.murtagh@noaa.gov](mailto:william.murtagh@noaa.gov)

### **Earth System Research Laboratory (ESRL)** – Student and Teacher Opportunities, Educational Resources, Tours

*\*ESRL's mission is to observe, understand and predict the Earth system through research that advances NOAA's environmental information and service from minutes to millennia on global-to-local scales.*

- **Located in Boulder, CO** – <http://www.esrl.noaa.gov/outreach/>  
Contact: Sarah Venema (ESRL Outreach Coordinator) - [sarah.venema@noaa.gov](mailto:sarah.venema@noaa.gov)

### **National Centers for Environmental Information (NCEI)** – Student and Teacher Opportunities, Educational Resources, Tours

*\*NCEI is responsible for hosting and providing access to one of the most significant archives on Earth, with comprehensive oceanic, atmospheric, and geophysical data. From the depths of the ocean to the surface of the sun and from million-year-old sediment records to near real-time satellite images, NCEI is the Nation's leading authority for environmental information.*

- **Located in Boulder, CO** – <http://www.ngdc.noaa.gov/education/education.html>  
Contact: Paula Dunbar (Physical Scientist) - [paula.dunbar@noaa.gov](mailto:paula.dunbar@noaa.gov)

### **NCEI Paleoclimatology Branch** – Discussion Board, Educator Resources, Multimedia, Datasets

*\*NCEI's Paleoclimatology Branch is the world's largest archive of climate and paleoclimatology data. The Paleoclimatology Branch operates the World Data Center for Paleoclimatology, an Applied Research Center for Paleoclimatology, and partners with national and international science initiatives around the world to expand the use of paleoclimatology data.*

- **Located in Boulder, CO** – <http://www.ncdc.noaa.gov/data-access/paleoclimate-data/education-outreach>  
Contact: Bruce Bauer (Data Manager - Education/Outreach) - [bruce.a.bauer@noaa.gov](mailto:bruce.a.bauer@noaa.gov)

### **Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS)** – National Citizen Science Program, Educator Resources, Data

*\*CoCoRaHS is a unique, non-profit, community-based network of volunteers of all ages and backgrounds working together to measure and map precipitation. By using low-cost measurement tools, stressing training and education, and utilizing an interactive website, our aim is to provide the highest quality data for natural resource, education and research applications.*

- **Located in Fort Collins, CO** – <http://www.cocorahs.org>  
Contact: Noah Newman (Education/Schools Coordinator) - [education@cocorahs.org](mailto:education@cocorahs.org)  
Find your state coordinator at: <http://www.cocorahs.org/Content.aspx?page=coord>

### **High Plains Regional Climate Center (HPRCC)** – Educator and Student Resources, Classroom Visits, Outreach Events, Data

*\*HPRCC personnel work closely with scientists from other regional and federal climate centers on climate services and programs and provide a regional structure for climate applications. The long-term objectives of the HPRCC are to carry out applied climate studies, develop improved climate information products, and provide climate services in the High Plains region.*

- **Located in Lincoln, NE** – <http://www.hprcc.unl.edu/outreach.php>  
Contact: Martha Shulski (Director) - [mshulski3@unl.edu](mailto:mshulski3@unl.edu)

### **National Snow and Ice Data Center (NSIDC)** – Educator and Student Resources, Multimedia, Data, Google Earth Files

*\*NSIDC supports research into our world's frozen realms: the snow, ice, glaciers, frozen ground, and climate interactions that make up Earth's cryosphere. NSIDC manages and distributes scientific data, creates tools for data access, supports data users, performs scientific research, and educates the public about the cryosphere.*

- **Located in Boulder, CO** – <http://nsidc.org/cryosphere/education-resources>  
Contact: Jane Beitler (Science Communications) - [jbeitler@nsidc.org](mailto:jbeitler@nsidc.org)

### **National Ocean Science Bowl (NOSB)** – Regional Competitions in the Ocean Sciences

*\*The NOSB is a national high school academic competition with regional competitions for student teams to test their knowledge of the marine sciences including biology, chemistry, physics, and geology.*

- **Trout Bowl (CO, UT, WY, NE, SD, NM, KS)** – <http://cires.colorado.edu/education-outreach/projects/current-projects/nosb/>  
Contact: Amanda Morton (Region Coordinator) - [amanda.morton@colorado.edu](mailto:amanda.morton@colorado.edu)
- **Hurricane Bowl (AL, AR, FL, LA, MS, TN)** – <http://www.usm.edu/gcrl/mec/national.ocean.sciences.bowl.php>  
Contact: Aaron Lamey (Region Coordinator) - [aaron.lamey@usm.edu](mailto:aaron.lamey@usm.edu)
- **Penguin Bowl (OH, PA, KY)** – <http://class.yzu.edu/%7Enosb/>  
Contact: Dr. Ray Beiersdorfer (Region Coordinator) - [rebeiersdorfer@ysu.edu](mailto:rebeiersdorfer@ysu.edu)

### Central Region Data Resources – Historical and Real-Time Data

- North Central River Forecast Center – <http://www.weather.gov/ncrfc/>
- Ohio River Forecast Center – <http://www.weather.gov/ohrfc/>
- Lower Mississippi River Forecast Center – <http://www.srh.noaa.gov/lmrfc/>
- Missouri Basin River Forecast Center – <http://www.srh.noaa.gov/lmrfc/>
- Arkansas-Red Basin River Forecast Center – <http://www.srh.noaa.gov/lmrfc/>
- Snow and Ice Data on Google Earth – [http://nsidc.org/data/google\\_earth/](http://nsidc.org/data/google_earth/)
- Fire Weather Forecast – <http://www.srh.noaa.gov/ridge2/fire/>
- Seasonal Drought Outlook – [http://www.cpc.ncep.noaa.gov/products/expert\\_assessment/sdo\\_summary.html](http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.html)
- Air Quality Forecast – <http://airnow.gov/index.cfm?action=airnow.main>
- Graphical Weather Forecasts by Region – <http://graphical.weather.gov>
- High Plains Climate Data Products – <http://www.hprcc.unl.edu/products/>

### Local Weather Events – Local Historical Weather Data

- West Virginia Weather Event Summaries – <http://www.weather.gov/rlx/WXEvents>
- Eastern Kentucky Significant Weather Events – <http://www.weather.gov/jkl/pastevents>
- The Great Flood of 1937 (Louisville, KY) – [http://www.weather.gov/lmk/flood\\_37](http://www.weather.gov/lmk/flood_37)
- The Tri-State Tornado (Deadliest Tornado in US History) – <http://www.weather.gov/pah/1925Tornado>
- Eastern Tennessee Tornado Database – <http://innovation.srh.noaa.gov/tors/index.php?cw=mrx>
- Western Tennessee Significant Weather Events – <http://www.srh.noaa.gov/meg/?n=events>
- Past Events Across the Missouri Ozarks and Extreme Southeast Kansas – [http://www.weather.gov/sgf/event\\_reviews](http://www.weather.gov/sgf/event_reviews)
- Iowa Significant Weather Events – <http://www.weather.gov/dmx/sigevents>
- North Dakota Climate Norms and Records – [http://www.weather.gov/bis/climate\\_bis](http://www.weather.gov/bis/climate_bis)
- North Dakota Severe Weather History – <http://www.weather.gov/bis/ndtorhistory>
- Central South Dakota Weather News Stories – <http://www.weather.gov/abr/topnews>
- Eastern South Dakota Significant Weather Events – <http://www.weather.gov/fsd/pastevents>
- Western South Dakota Significant Weather Events – <http://www.weather.gov/unr/hwe>
- Eastern Nebraska Significant Weather Events – [http://w2.weather.gov/oax/omaha\\_archives](http://w2.weather.gov/oax/omaha_archives)
- Central Nebraska Significant Weather Events – <http://www.weather.gov/gid/events>
- 1935 Republican River Flood – <http://www.weather.gov/gld/1935flood>
- Wichita Historic Weather Events – <http://www.weather.gov/ict/historic>
- Topeka Significant Weather Events – <http://www.weather.gov/top/sigevents>
- Eastern Oklahoma Significant Weather Events – <http://www.srh.noaa.gov/tsa/?n=sigwxevents>
- SE Colorado Impact Events – <http://www.weather.gov/pub/impactEventsArchive>
- Searchable Storm Events Database – <http://www.ncdc.noaa.gov/stormevents/>

### NOAA Science On a Sphere® (SOS) Locations – Earth Systems Data Shown on a 6-foot Globe

\* SOS is a room-sized, global display system that uses computers and video projectors to display planetary data onto a six foot diameter sphere, analogous to a giant animated globe. It was developed by researchers at NOAA to help illustrate complex environmental processes (atmospheric storms, ocean currents, climate change, etc...) in a captivating way.

- Denver Museum of Nature and Science (Denver, CO) – <http://www.dmns.org/>
- Fiske Planetarium and Science Center at Colorado University (Boulder, CO) – <http://fiske.colorado.edu/>
- NOAA Earth Systems Research Laboratory (Boulder, CO) – <http://www.esrl.noaa.gov/about/visiting.html>
- NOAA National Severe Storms Laboratory (Norman, OK) – <http://www.nssl.noaa.gov/>
- Science City at Union Station (Kansas City, MO) – <http://www.sciencecity.com/>
- Space Foundation Visitor Center (Colorado Springs, CO) – <http://www.spacefoundation.org/about/world-headquarters/visitors-center-northrop-grumman-science-center>
- Wildlife Experience (Parker, CO) – <http://www.thewildlifeexperience.org/>