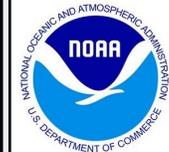


THE RADAR POST

NWS GOODLAND'S NEWSLETTER SINCE 2017

Volume 1, Issue 3

Fall 2017



Message from the MIC



The National Weather Service is Evolving

We are excited to share one more edition of our 2017 newsletter series! This year our newsletter, *The Radar Post*, has a new name, a new format, and a new emphasis. As you read on you'll find this newsletter once again highlights our commitment to be involved with the people and communities we serve in the Tri-State area.

Our agency is evolving. Yes, we are still a science-based organization and we continue to incorporate the latest research, technology and training into operations. But numerous studies have shown that simply providing timely weather data, forecasts and warnings to the public isn't the end of the story. The most accurate weather forecast, or a Severe Thunderstorm Warning issued well in advance of an event, will fall short if the information provided isn't clearly understood or the impacts known.

That's why the staff at NWS Goodland is committed to helping build a Weather Ready Nation, one where people understand the potential weather hazards in their area and know how to respond should hazardous weather develop. On our end, that means attending hazard planning meetings with local officials, working with local media to ensure the public receives a concise and consistent message, visiting schools and communities to provide weather safety information, and providing public safety partners with decision support services during high impact weather events.

I hope you enjoy this newsletter and learn more about how our office in Goodland is working hard to better serve you.

David Floyd, Meteorologist-In-Charge

INSIDE THIS ISSUE

- [2](#) Congressman visits WFO GLD
- [3](#) High Plains Conference
- [4](#) Nights at the Museum
- [5](#) Water/Ways in Colby, KS
- [6](#) Cooperative Observer News
- [7](#) Solar Eclipse Photos
- [8](#) School Talks and Office Tours
- [9](#) Winter Spotter Training Classes
- [10](#) Meet a Met
- [12](#) Climate Corner
- [15](#) Contact Us and Useful Links

Shelf cloud over Goodland, KS

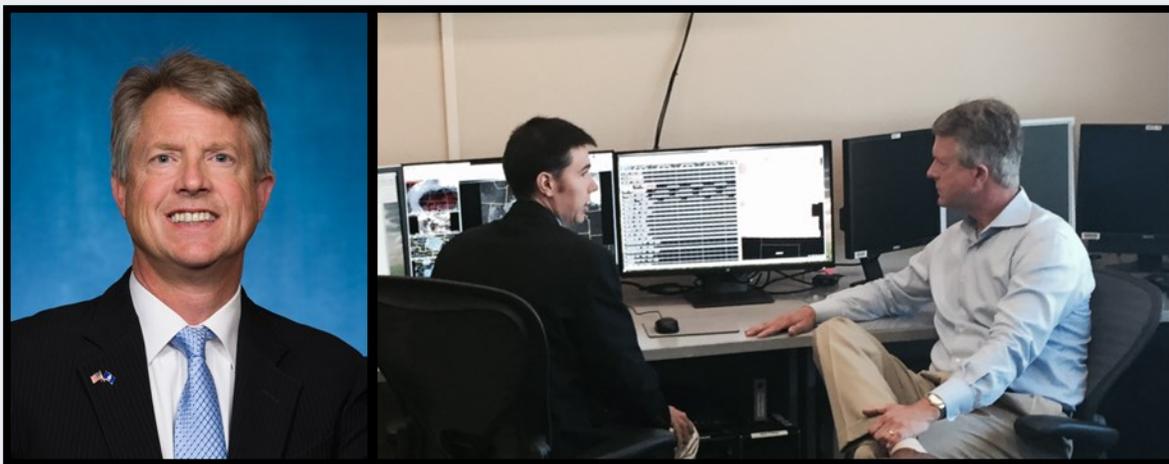


Congressman Roger Marshall Visits NWS Goodland

This summer, the National Weather Service (NWS) Office in Goodland, Kansas had the pleasure of being visited by Congressman Roger Marshall. Representing the 1st District of Kansas, Congressman Marshall is currently serving his first term in the U.S. House of Representatives and serves on the House Ag Committee, the House Small Business Committee, and the Committee on Science, Space, and Technology. Congressman Marshall was interested in learning more about how an NWS office integrates technology into warning operations and into the forecast process. During his time at the office, Congressman Marshall was given a tour of the facilities, spoke with staff, and was given demonstrations of our workstations, GOES-16 capabilities, and radar applications.

In addition to Congressman Marshall, NWS partners that were present included emergency managers Ryan Murray and Jenni Cravens, and State Representative Adam Smith. At the end of the Congressman's tour, all of our distinguished guests met in our conference room to discuss challenges in the area and how NWS Goodland will continue to meet the needs of the community. The discussion also touched on how the NWS, as an agency, is evolving from providing observations, forecasts and products to working more closely with public safety partners to ensure they understand the impacts of the weather forecast and the type of decision support services our agency can provide. Emergency Manager Ryan Murray then shared how his counties work closely with the NWS office in Goodland, not only during high impact weather events but also in hazard mitigation, local emergency planning commission meetings, and training exercises.

After a great exchange of information, Congressman Marshall continued on his "listening tour" of Northwest Kansas visiting other facilities in Goodland and surrounding towns.



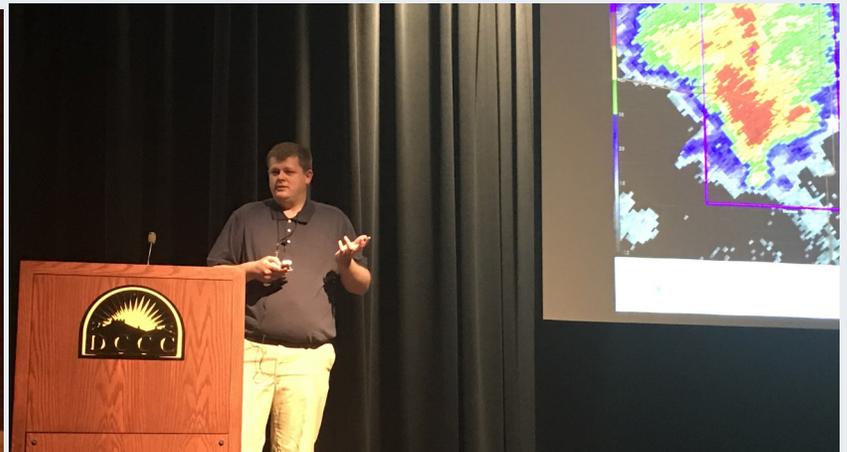
WCM Ryan Husted demonstrates how forecasts are created to Congressman Marshall

High Plains Conference

On August 9-10th, the 19th Annual High Plains AMS/NWA Conference on Meteorology and Climatology was held in Dodge City, KS. This conference brings together meteorologists from federal agencies, research facilities, the private sector, and members of academia. With a diverse group, a wealth of information can be learned and will ultimately help improve forecasting and communication between agencies. Keynote speakers included National Weather Service Central Region Director Chris Strager, Karen Kosiba from the Center for Severe Weather Research, Dr. Grady Dixon from Fort Hays State University, Dr. Chris Karstens from the Storm Prediction Center, and Dr. Mike Coniglio from OAR/NSSI/Storm Prediction Center. In addition, there were twenty other presentations on topics ranging from decision support services to in-depth research into recent weather events across the Central High Plains. Representing NWS Goodland were Science and Operations Officer Jeremy Martin, Observations Program Leader Brian Warren, and Meteorologists Timothy Lynch and Scott Elmore. Next year's conference will be held in Hastings, NE.



Scott Elmore presenting research



Jeremy Martin, current President of the High Plains AMS/NWA Chapter



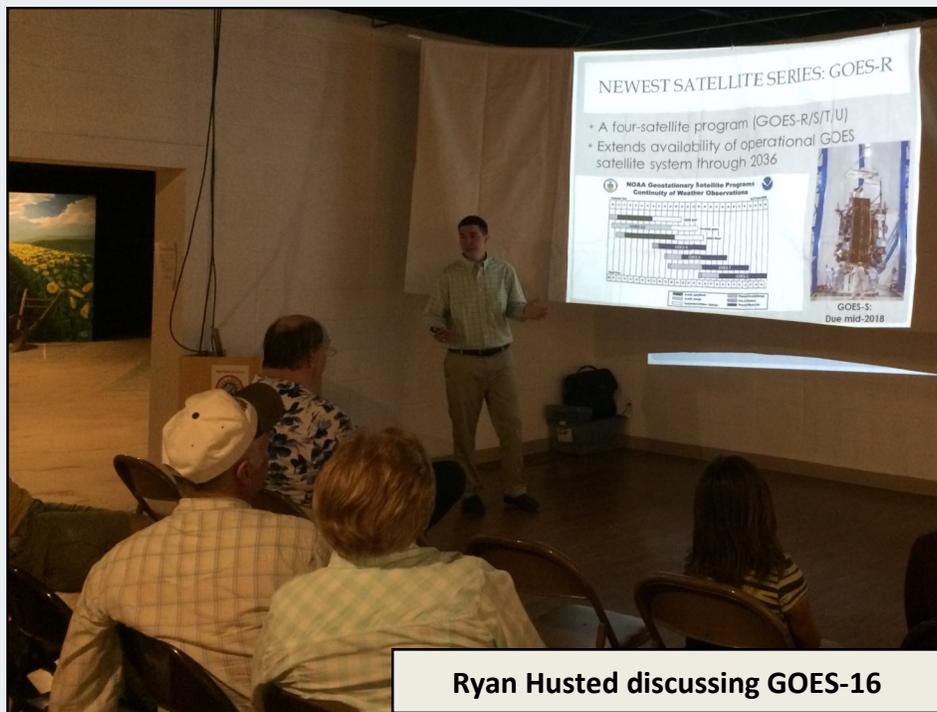
2017 High Plains Conference attendees

Nights At The Museum

On June 22nd and June 26th, NWS Goodland had the privilege of putting on “Weather Nights” at the High Plains Museum in Goodland, KS. The first presentation was a Kids’ Night which consisted of kids learning basic weather safety information and observing different experiments demonstrating concepts such as warm/cold fronts and tornadoes. The second presentation was geared more towards adults and dealt with Weather Satellites with an emphasis on GOES-16. This satellite’s capabilities are greatly enhancing the National Weather Service’s forecasting and warning operations. These presentations were done by our WCM Ryan Husted and Meteorologist Jessica Hill. Big thanks to everyone that attended!



Ryan Husted demonstrating warm/cold fronts



Ryan Husted discussing GOES-16

Water/Ways in Colby, KS

On August 20th, the Prairie Museum of Art and History in Colby, KS held the grand opening of Water/Ways, a traveling exhibition from the Smithsonian Institution. Sponsored by the Kansas Humanities Council, Water/Ways is designed to show the ways in which water affects people's lives every day. Through different demonstrations and booths, attendees were able to learn about a variety of topics from irrigation to inland fishing to aquifers.

Meteorologist Tim Lynch represented NWS Goodland at the event. Using our Water Model, Tim ran demonstrations every 30 minutes showing participants how water behaves with different soils and materials to illustrate how flooding occurs.

For those interested, the Water/Ways will be at the Prairie Museum of Art and History through September 24th. For more information, call the Prairie Museum at (785) 460-4590.



Cooperative Observer News

On his way to the High Plains Conference, Observations Program Leader Brian Warren made a special stop just west of Gove City. To recognize them for their outstanding service to the National Weather Service, Brian presented Mr. & Mrs. Daryl Kopriva with an award for their 15 years of being a cooperative observer.

A new weather observing station was set up in Leoti, KS by David Floyd (MIC) and Dave Thede (Lead Forecaster) at the Sheriff's Office. The data for this location may be found online at

<http://www.weatherlink.com/user/leotiso/>



Brian Warren (middle) with Mr. & Mrs. Kopriva



Leoti Weather Station

Interested in becoming a Cooperative Observer for the National Weather Service?

Contact our Observations Program Leader Brian Warren at brian.warren@noaa.gov or (785) 899-2360.

Solar Eclipse Pictures

Here are some pictures taken by our meteorologists, including some viewing the eclipse through old-fashioned means.



School Talks and Office Tours

With schools now back in session, we would like to remind everyone that NWS Goodland does many school talks and presentations for all ages. Our meteorologists can customize a presentation based on topic and grade level to help supplement any teacher's lesson plan. In addition, NWS Goodland also gives free office tours to students, teachers, and parents. To set up a presentation for your students or to arrange an office tour, please contact Ryan Husted at ryan.husted@noaa.gov or call (785) 899-2360.



Winter Spotter Training Classes

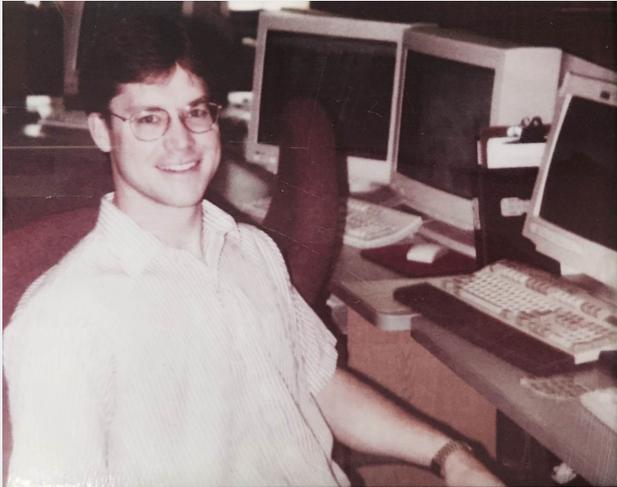
NWS Goodland is pleased to announce that we will be holding our first annual Winter Spotter Training Classes beginning this month. At these classes, we will be training spotters how to properly measure and report snowfall and ice accumulation. Spotters will also learn the latest on upcoming changes to some of the National Weather Service winter weather advisories, watches, and warnings.

While these classes will contain presentations on winter weather information and safety tips, there will be actual hands on activities to help spotters practice measuring and reporting information via social media and conventional means. All classes are open to the public and free to attend. Participants are encouraged to bring their cell phones and/or iPads to use in practice activities.



All classes are at 6:30pm LOCAL time

County	City	Date	Location
Wallace	Sharon Springs	9/18/17	Wallace County Fairgrounds- CAB Building
Graham	Hill City	9/19/17	Frontier Stage- 321 Main Street
Dundy	Benkelman	9/20/17	EMS Building- 1305 A Street
Logan	Oakley	9/21/17	Logan County Courthouse- 710 W 2nd Street
Cheyenne (CO)	Cheyenne Wells	9/25/17	Cheyenne Wells City Complex- 151 South 1st Street West
Gove	Grainfield	9/26/17	Gove County 4-H Building- 757 W 3rd
Yuma	Yuma	9/27/17	Yuma Ambulance Building- 302 E 2nd Avenue
Wichita	Leoti	10/2/17	Leoti Fire House- 301 N 4th Street
Sherman	Goodland	10/3/17	Wolak (Fire/EMS Station) Building- 1006 Center Street
Kit Carson	Burlington	10/4/17	Burlington Ambulance Building- 1576 Lowell Avenue
Thomas	Colby	10/5/17	Community Building Downstairs- 285 E 5th Street
Cheyenne (KS)	St. Francis	10/9/17	Cheyenne Co Emergency Services Building- 125 W US-36
Sheridan	Hoxie	10/10/17	Bowen Scott House- 1041 Sheridan Avenue
Greeley	Tribune	10/16/17	Tribune Fire Station- At Ingalls Ave and W Greeley Ave.
Norton	Norton	10/17/17	Prairie Land Electric Cooperative- 14935 US Hwy 36
Red Willow	McCook	10/18/17	Heritage Senior Center- 1312 W 5th Street
Hitchcock	Trenton	10/19/17	Hitchcock County Courthouse- 229 E D Street
Decatur	Oberlin	10/20/17	105 W Maple Street
Rawlins	Atwood	10/23/17	208 S 4th Street



1998

**Meet
A
Met**



2017

This issue's interview is with another one of our lead forecasters, Scott Lockhart. With his years of experience, Scott is a vital cog in the production of accurate forecasts from our office and plays a key part in assisting in the training of new entry level employees. In addition to his normal duties, Scott also serves as the office's Aviation Focal Point where he provides the office with a wealth of knowledge and experience in producing aviation forecasts for our two terminals, Goodland and McCook.

Q: Where are you from originally?

A: I was born in Greeley, Colorado, grew up in LaSalle, Colorado, and graduated from Valley High School in Gilcrest, Colorado.

Q: Where did you go to college?

A: I started out studying Aerospace Engineering at the University of Colorado in Boulder. I transitioned to AIMS Community College in Greeley where I completed an Associate's Degree in their Aviation Technology – Professional Pilot Program. After spending a brief time as a flight instructor in Lubbock, Texas, I returned to Colorado where I picked up a few courses at Front Range Community College before completing a Bachelor's Degree in Earth Science – Meteorology at the University of Northern Colorado in Greeley.

Q: How long have you worked at the NWS?

A: I've been employed with the National Weather Service for nearly 24 years. My first 18 months was at the WSO in Sheridan, Wyoming followed by a little over 3 years in Glasgow, Montana as that WFO was spinning -up, and nearly 19 years at WFO Goodland.

Q: What types of things do you like to do in your spare time?

A: I enjoy the challenge of finding the hidden potential in vehicles that may be on the verge of being junked, and then bringing them back to usable condition again. I have also been a High Performance Driver Education Instructor, Group Leader, and Racer with the National Auto Sport Association and a few other organizations over the past 18 years.

Q: What would your “perfect weather” day be like?

A: My perfect season is late summer and early fall in northeast Colorado before all of the corn has been harvested. High temperatures are in the middle 70s to middle 80s, low temperatures are in the middle 40s to middle 50s. It is cool enough during the overnight and early morning hours to need a light jacket but warm enough during the day to break a sweat when you’re working. Conditions are mostly dry with only a slight chance of a light afternoon showers moving off the Rockies and across the High Plains. Winds become calm just before sunset. Driving along country roads with the windows down, the dust hangs in the air just off the ground, and you can feel the temperature change as you drive by fields of different crops.

Q: What’s the scariest weather situation you’ve ever been through?

A: I have a healthy respect for the variety of weather the Front Range and High Plains regions have to offer. The only weather phenomena that really makes me uneasy is lightning.

Q: Do you have any heroes or people that inspire you?

A: Greg Louganis. I competed as a swimmer and diver in high school in the ‘80s. Greg Louganis represented the pinnacle of the sport. In spite of the challenges he faced in the sport and in his personal life, he continued to be the best in the world in diving while also remaining a genuine and approachable person who continues to mentor and inspire others.

Q: Favorite band or singer?

A: I like listening to nearly everything but opera and bro-country. My favorite genre is Alternative and I’ve always been a fan of The Beatles.

Q: Favorite book or author?

A: My favorite genre has always been science fiction/fantasy. My favorite book series is the Incarnations of Immortality series by Piers Anthony.

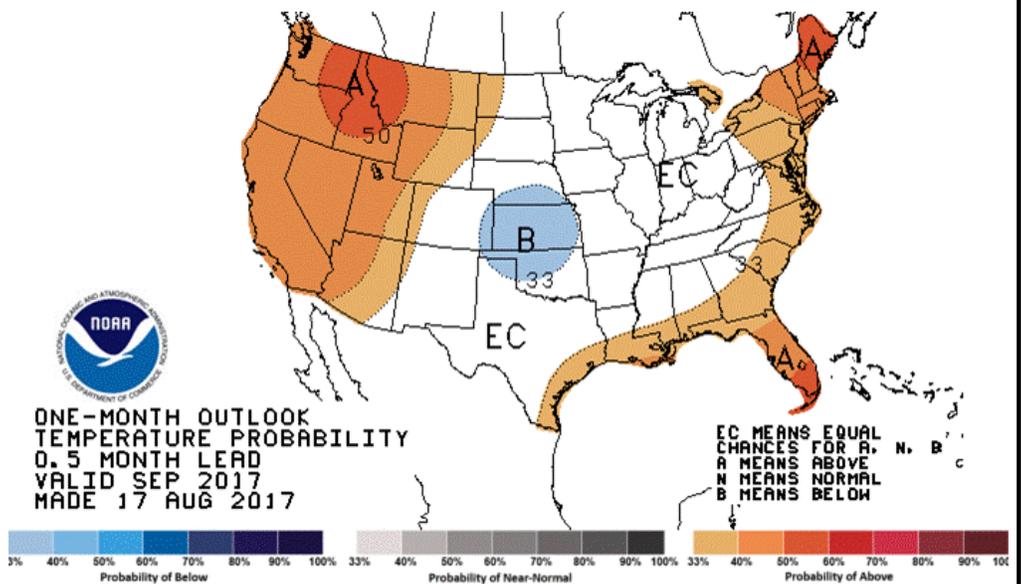
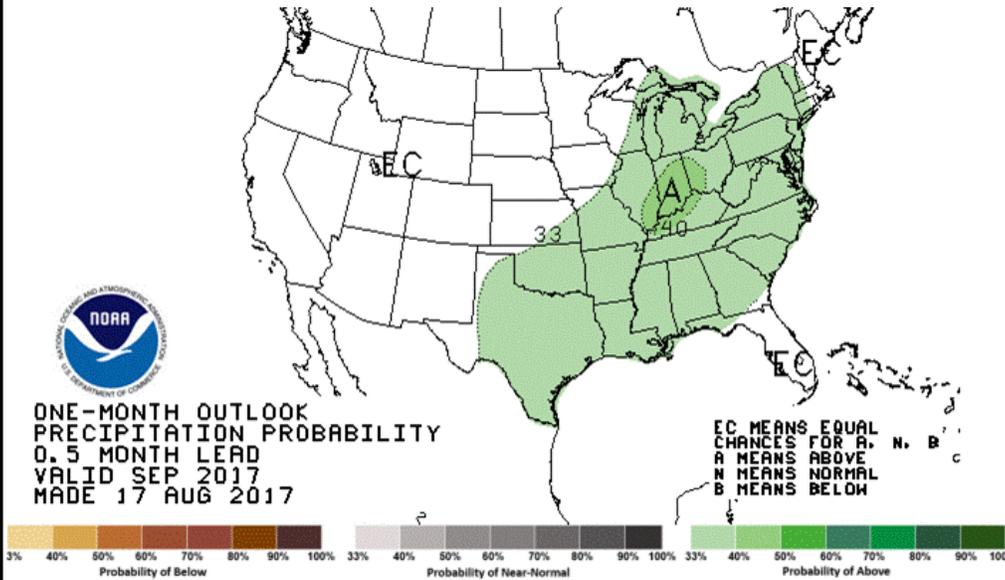
Q: If you could visit anywhere in the world, where would it be?

A: For decades I’ve wanted to take a trip around Australia, learn to surf, and experience the Mount Panorama Circuit in Bathurst, New South Wales.



Mount Panorama Circuit, New South Wales, Australia

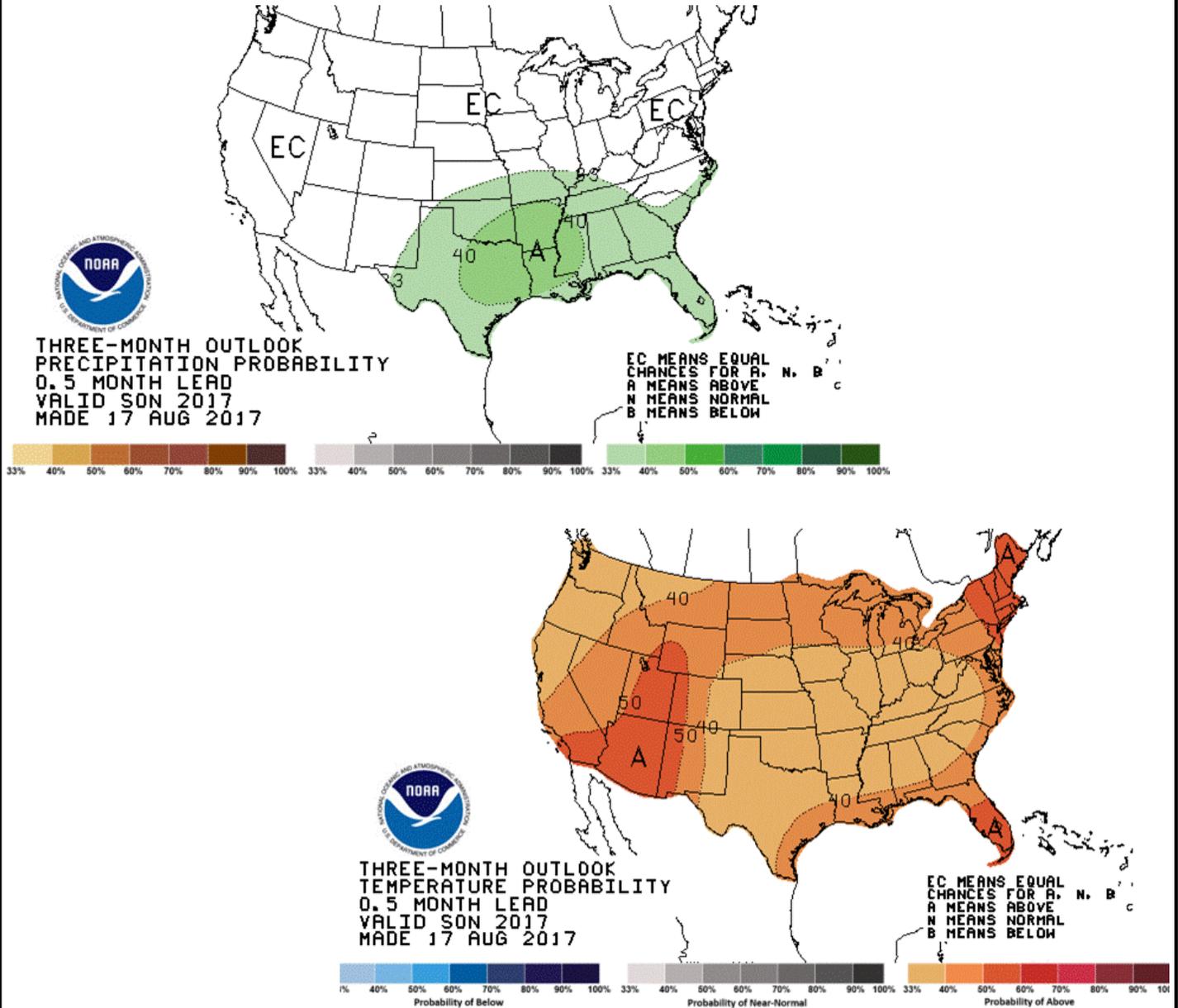
Climate Corner



One Month Summary

Our area should see normal amounts of precipitation. As for temperatures, our area has good chances of seeing below normal temperatures.

Climate Corner

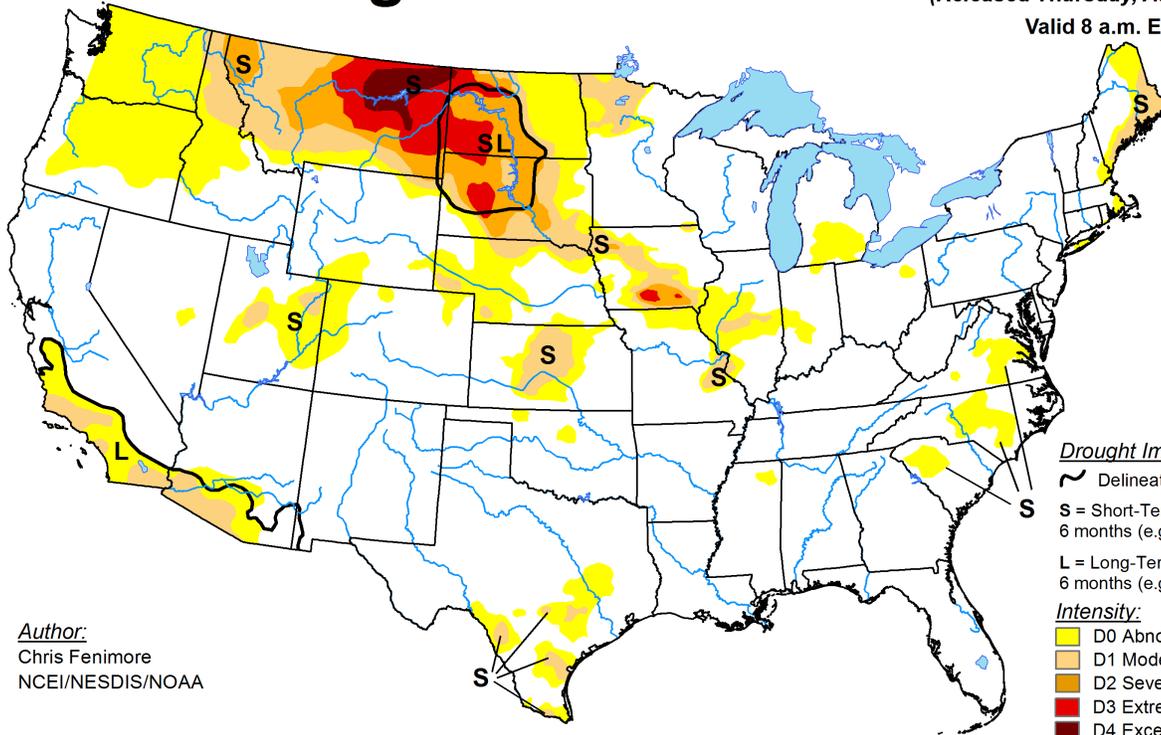


Three Month Summary

Our area should see average amounts of precipitation. As for temperatures, the area should see temperatures above normal.

U.S. Drought Monitor

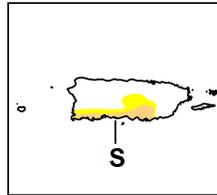
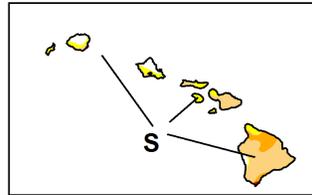
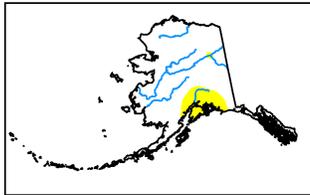
August 22, 2017
 (Released Thursday, Aug. 24, 2017)
 Valid 8 a.m. EDT



Author:
 Chris Fenimore
 NCEI/NESDIS/NOAA

- Drought Impact Types:**
- Delineates dominant impacts
 - S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
 - L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
- Intensity:**
- D0 Abnormally Dry
 - D1 Moderate Drought
 - D2 Severe Drought
 - D3 Extreme Drought
 - D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



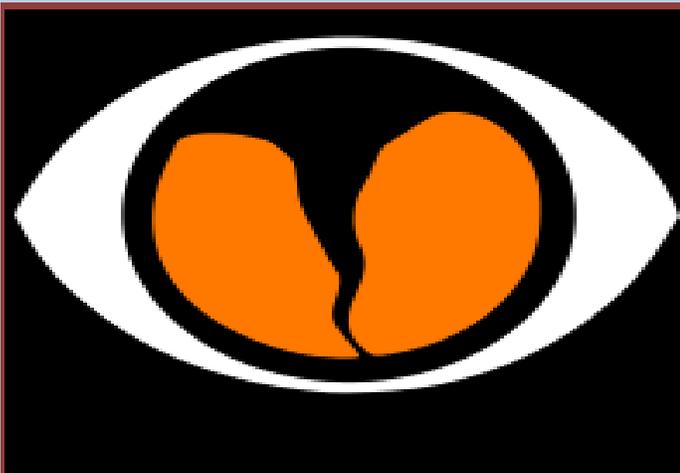
<http://droughtmonitor.unl.edu/>

City**	Rain to Date (in.)	Average Rain to Date (in.)	Departure From Ave. (in.)
Goodland	21.96	15.77	+6.19
Burlington	23.30	14.00	+9.30
McCook	14.11	17.56	-3.45
Hill City	17.83	17.67	+0.16

**Data As of August 30, 2017

Useful Links

- Storm Prediction Center
- www.spc.noaa.gov
- Weather Prediction Center
- www.wpc.ncep.noaa.gov
- Climate Prediction Center
- www.cpc.ncep.noaa.gov
- Climate Data
- www.ncei.noaa.gov
- CoCoRaHS
- www.cocorahs.com
- Weather Models
- www.ncep.noaa.gov
- Space Weather
- www.swpc.noaa.gov



SKYWARN

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Facebook:

<http://www.facebook.com/nwsgoodland>

Twitter:

<https://twitter.com/NWSGoodland>