



HIGH PLAINS REGIONAL CLIMATE CENTER

hprcc.unl.edu

Providing timely climate data and information to the public for cost effective decision-making

Mission

The High Plains Regional Climate Center (HPRCC) serves to increase the use and availability of climate data and information. We achieve this by providing climate services, developing climate data and information products, and engaging our stakeholders. Our six-state region covers Kansas, Colorado, Nebraska, Wyoming, South Dakota, and North Dakota. The Regional Climate Centers are supported by NOAA/NCEI as part of a three-tiered approach, emphasizing services that are local, regional, and national in scope.



Merritt, NE Automated Weather Data Network station.

Monitoring

Services

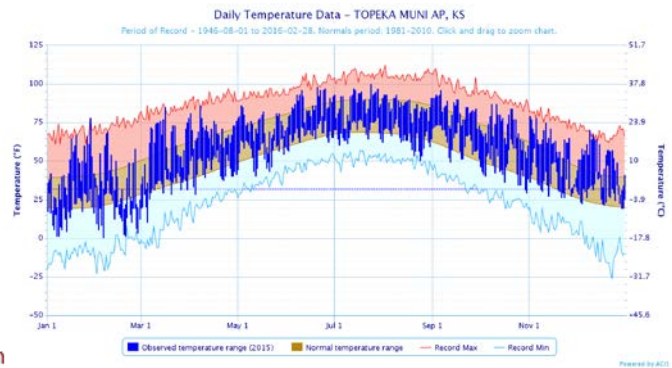
Information

Expertise

HPRCC supports 6 full time employees working in the areas of:

- o Climate services
- o Database and product development
- o Stakeholder engagement and outreach
- o Climate monitoring
- o Applied regional climate research

rcc-acis.org



Key Activities

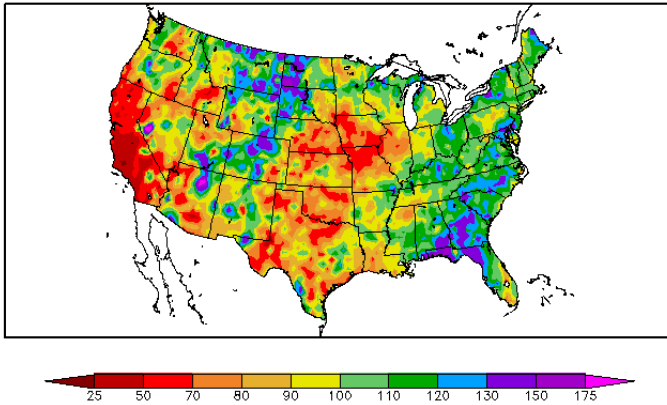
- Development and dissemination of regional and local climate summaries and impacts.
- Providing customizable services to clients, including data certification, data reports, and mapped products.
- Quality assessment of regional and national climate datasets.
- Partnership with state agencies to gather regional weather data and produce climate information products.
- Educational outreach to K-12, communities, and the public on specific weather and climate topics.





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Percent of Normal Precipitation for 2013



The HPRCC serves as a provider of weather and climate information that is critical to the region and nation.

Our wide array of services include:

- Customized access to data from regional and national networks.
- Summary maps incorporating real-time data.
- Monthly and seasonal summaries of climate conditions.
- Impact information related to extreme events.

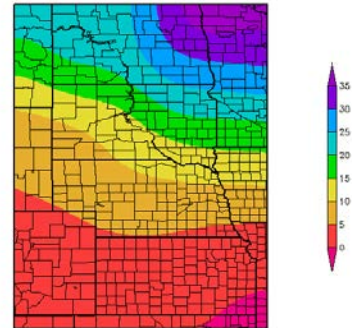
Services

Turning data into information

Frost/Freeze Summary for PIERRE RGNL AP, SD

Year	Last	Value	First	Value	Season Length
2015	05-19 (2015)	29	10-16 (2015)	28	149
2014	05-15 (2014)	25	10-03 (2014)	31	140
2013	05-12 (2013)	25	10-16 (2013)	30	156
2012	05-09 (2012)	32	09-22 (2012)	29	135
2011	05-16 (2011)	32	09-15 (2011)	32	121
2010	05-08 (2010)	27	10-18 (2010)	28	162
2009	05-16 (2009)	29	09-29 (2009)	29	135
2008	05-14 (2008)	31	10-16 (2008)	31	154
2007	04-20 (2007)	31	10-27 (2007)	27	189

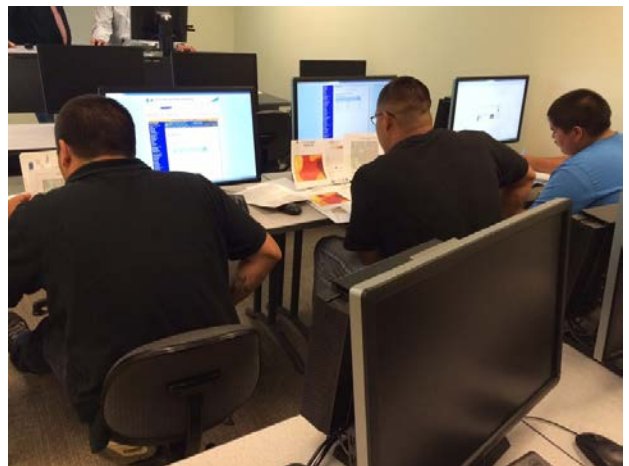
Winter - Days with Wind Chill \leq -20F



Stakeholders

The customer base for the center is large and varied, including researchers, educators, NGOs, utilities, insurance, legal, media, engineering, and the private sector, in addition to state, federal and tribal government, among others.

Through direct interaction and engagement, the HPRCC works with stakeholders to determine and develop appropriate climate information products and tools.



Hands-on training on the use of climate data, Lincoln, NE.

