



ACIS GIS Products

<https://hprcc.unl.edu/gis/>

Available ACIS GIS products

The entire suite of ACIS Climate Maps products is available in GIS formats. These files are produced on a daily basis for a range of time periods, including an archive for monthly, seasonal, and annual time scales. Choose from:

- Precipitation, Departure from Normal Precipitation, Percent of Normal Precipitation
- Standardized Precipitation Index (SPI)
- Temperature, Departure from Normal Temperature
- Maximum/Minimum Temperature
- Cooling Degree Days, Departure from Normal CDD
- Heating Degree Days, Departure from Normal HDD

Access to ACIS GIS products

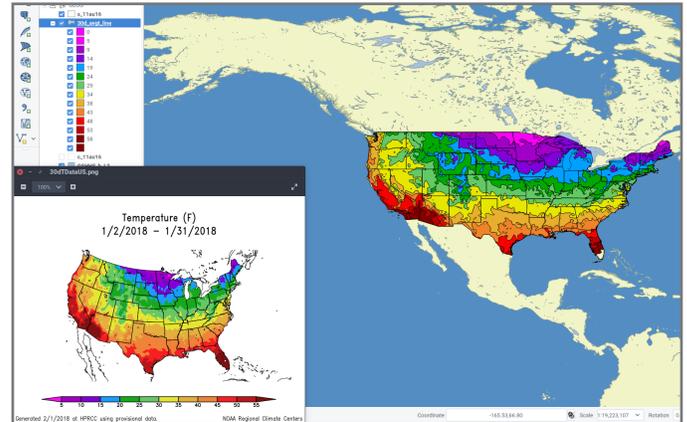
- Direct Downloads: Download individual shapefiles for over 500 different map options.
- GeoServer Access: Connect directly to shapefile data without the hassle of manually downloading the latest datasets!
- Data Archive: Download shapefiles for archived monthly, seasonal, and annual map options. (2018-present)

Uses for ACIS GIS products

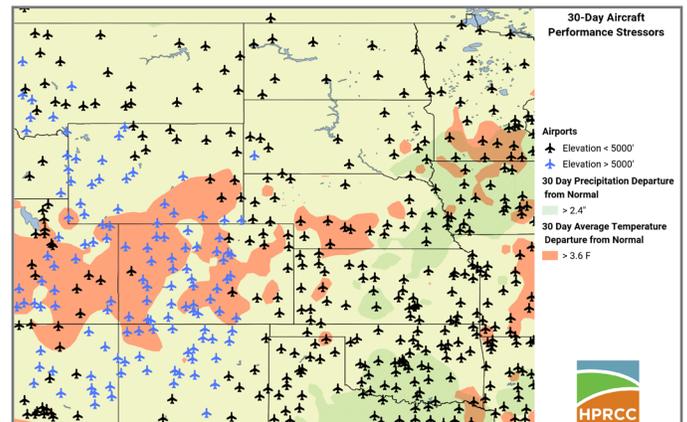
- Enhance climate and drought monitoring by overlaying multiple datasets, or adding new ones:
 - Overlay current fires with precipitation totals to assess fire risk.
 - Overlay range conditions with temperature and precipitation data to monitor for emerging drought.
 - Overlay streamflow data with percent of normal precipitation to monitor for potential flooding.

Tutorials Available!

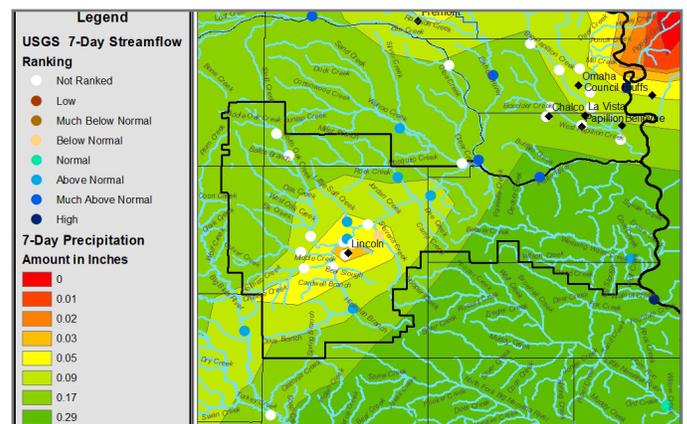
Select Your Region



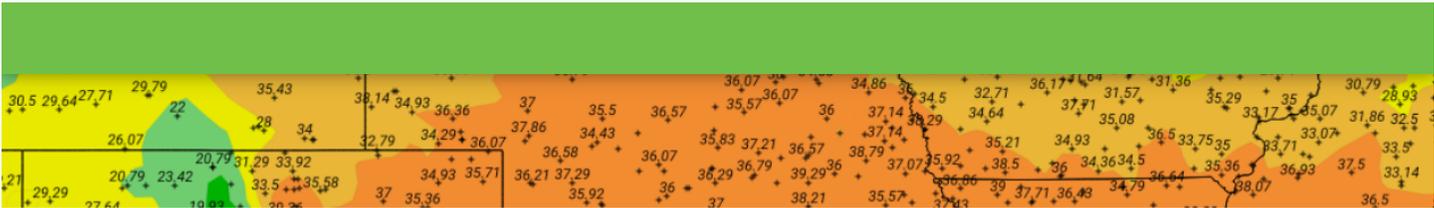
Customize Colors



Combine Datasets



<https://hprcc.unl.edu/gis/>



HPRCC GIS Portal

Access Methods

-  Direct Downloads
-  GeoServer Access
-  Data Archive

Tutorials

[How to access a GeoServer](#)
[More Coming Soon...](#)

A new way to view climate data...

The High Plains Regional Climate Center is now offering shapefile versions of its ACIS map products! There are three access methods available at the top of this page:

1. The Direct Downloads link will take you to a table listing of our most recent products.
2. The GeoServer Access link will show you information on how to access GeoServer from within your favorite GIS application
3. The Data Archive link will take you to a table listing of our archived products.

Which method should you use? If you are a heavy GIS user and need the most recent data, give the GeoServer a try. The GeoServer is a great introduction to a cloud-based workflow for updating data. If you need to save a copy of one of our updating products for research or analysis in the future, use the Direct Downloads option. Only our Last 1 Month, Last 3 month, and Last 12 month products are archived. Our archive only includes shapefiles that have been generated since the existence of this portal. As always, feel free to use our 'Contact Us' link at the bottom of the page if you have questions, suggestions, or experience problems.

Be sure to check out our tutorials for help on using our shapefiles and getting neat tips and tricks on using our products!



About the High Plains Regional Climate Center

The High Plains Regional Climate Center (HPRCC) is one of six NOAA Regional Climate Centers (RCCs) that has been providing timely climate data and information to the public for cost effective decision-making since 1987. The HPRCC primarily serves the six-state region of Colorado, Kansas, Nebraska, North Dakota, South Dakota, and Wyoming, but has also served people from all across the country and even throughout the world. HPRCC operates under a three-tiered structure of climate services and works closely with other organizations on the local, regional, and national levels. HPRCC staff engage with a wide range of stakeholders including K-20 education, the public, media, private industry, research, and state/tribal/federal entities, among others.

These GIS products were built on the Applied Climate Information System (ACIS) framework. ACIS was designed to manage the complex flow of information from climate data collectors to the end users of climate data information. The main purpose of ACIS is to alleviate the burden of climate information management for people who use climate information to make management decisions. For more information about ACIS, and to see real-world examples of how RCCs and external groups are using ACIS for their particular climate data needs, please see: <http://rcc-acis.org>.



For more information

For questions, comments, or suggestions, please contact:

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