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NOAA's Climate Divisional Database (nCLIMDIV)

nClimDiv (Climate Indices)



(<https://www1.ncdc.noaa.gov/pub/data/metadata/images/C00005.gif>)

Divisional

Average Temperature

Ranks, January-December

2014

This dataset replaces the previous Time Bias Corrected Divisional Temperature-Precipitation Drought Index. The new divisional data set (nCLIMDIV) is based on the Global Historical Climatological Network-Daily (GHCN-D) and makes use of several improvements to the previous data set. For the input data, improvements include additional station networks, quality assurance reviews and temperature bias adjustments. Perhaps the most extensive improvement is to the computational approach, which now employs climatologically aided interpolation. This 5km grid based calculation nCLIMGRID helps to address topographic and network variability. This data set is primarily used by the National Oceanic and Atmospheric Administration (NOAA) National Climatic Data Center (NCDC) to issue State of the Climate Reports on a monthly basis. These reports summarize recent temperature and precipitation conditions and long-term trends at a variety of spatial scales, the smallest being the climate division level. Data at the climate division level are aggregated to compute statewide, regional and national snapshots of climate conditions. For CONUS, the period of record is from 1895-present. Derived quantities such as Standardized precipitation Index (SPI), Palmer Drought Indices (PDSI, PHDI, PMDI, and ZNDX) and degree days are also available for the CONUS sites.

In March 2015, data for thirteen Alaskan climate divisions were added to the nCLIMDIV data set. Data for the new Alaskan climate divisions begin in 1925 through the present and are included in all nCLIMDIV monthly updates. Alaskan climate data include the following elements for divisional and statewide coverage: average temperature, maximum temperature (highs), minimum temperature (lows), and precipitation. The Alaska nCLIMDIV data were created and updated using similar methodology as that for the CONUS, but with a different approach to establishing the underlying climatology. The Alaska data are built upon the 1971-2000 PRISM averages whereas the CONUS values utilize a base climatology derived from the nCLIMGRID data set.

As of November 2018, nClimDiv includes county data and additional inventory files.

Show less

[Dataset Citation](#)

Dataset IdentifiersISO 19115-2 Metadata

Access

Time & Location

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Description

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Keywords

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Data

Climate at a Glance (<https://www.ncdc.noaa.gov/cag/>) ([search](#))

Comparisons of meteorological local, state, regional, national, data in historical perspective to determine trends.

NCEI Data Search Page (<http://www7.ncdc.noaa.gov/CDO/CDODivisionalSelect.jsp#>) ([search](#))

Search and download selected products of the Divisional Dataset

Climate Data Online Map for Climate Indices (<https://gis.ncdc.noaa.gov/maps/ncei/indices>) ([search](#))

View Divisional Climate Data and Products via a map interface

Download
Data

NCEI FTP Server (<ftp://ftp.ncdc.noaa.gov/pub/data/cirs/climdiv/>) ([download](#))

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KMZ download (<https://gis.ncdc.noaa.gov/kml/div.kmz>) ([download](#))

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1-828-271-4800

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Point of *DOC/NOAA/NESDIS/NCEI > National Centers for Environmental Information, NESDIS, NOAA, I*
Contact *Department of Commerce*
+1 828-271-4800
cmb.contact@noaa.gov
(mailto:cmb.contact@noaa.gov?NOAA's%20Climate%20Divisional%20Database%20(nCLIMDIV))

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For questions about the information on this page, please email: ncei.orders@noaa.gov
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