Useful Climate Tools at NCEI

A brief demonstration

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NOAA Eastern Region Climate Services Webinar
Overview

- NCEI intro
- Demonstrations/examples
  - Climate at a Glance
  - NWS List of NCEI Resources
- New product released
  - nClimGrid – Daily
- Useful links
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
NOAA Data: High Impact, Global Reach

Scientific Data Stewardship

NOAA Observing Systems

Research-quality products for decision making

Climate & Weather
- Climate Assessments
- Climate Normals
- Billion $ Disasters
- Drought Monitoring

Oceans & Coasts
- Tsunami Warning
- Coastal Digital Elevation Models
- Extended Continental Shelf
- World Ocean Database

Geophysics
- Space Weather
- World Magnetic Model

National Centers for Environmental Information (NCEI)
Providing Climate Information to Inform the Future

- Monthly U.S. & Global Climate Reports
- U.S. Billion-Dollar Weather & Climate Disasters Report
- U.S. Drought Monitor
- Regional Snowfall Index
- Tornado Climatology
- Hourly Precipitation Data
- Climate Extremes Index
- Blended Sea Winds
Climate at a Glance
- maps, timeseries, ranks, & Haywood plots of temperature, precipitation, HDD/CDD, various drought indicators

NWS List of NCEI Resources
- navigation tool for partner access to NCEI products & services
Newly Released Product!

nClimGrid – Daily

Total Precipitation Percentiles
Sep 23-30 2022
Ranking Period: 1951-2022

Mean Temperature Percentiles
Sep 1-30 2022
Ranking Period: 1951-2022

Data Source: 5km Gridded nClimGrid-Daily v1-0-0

Created: Thu Oct 13 2022
Final data

National Centers for Environmental Information (NCEI)
Thank You!

https://www.ncei.noaa.gov

Questions

NCEI Facebook: http://www.facebook.com/NOAANCEI
NCEI Climate Twitter (@NOAANCEIclimate): http://www.twitter.com/NOAANCEIclimate
NCEI Ocean & Geophysics Twitter (@NOAANCEIocngeo): http://www.twitter.com/NOAANCEIocngeo
Useful Links

Climate at a Glance
https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/

NWS List of NCEI Resources
https://www.ncei.noaa.gov/access/monitoring/nws-resources/

nClimGrid-Daily
https://www.ncei.noaa.gov/products/land-based-station/nclimgrid-daily/

Monthly Monitoring Reports
https://www.ncei.noaa.gov/access/monitoring/monthly-reports/