



National Centers for  
Environmental Information (NCEI)

October 27, 2022

# Useful Climate Tools at NCEI

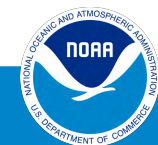
## A brief demonstration

Karin Gleason  
Chief - Monitoring Section

*NOAA Eastern Region Climate Services Webinar*

# Overview

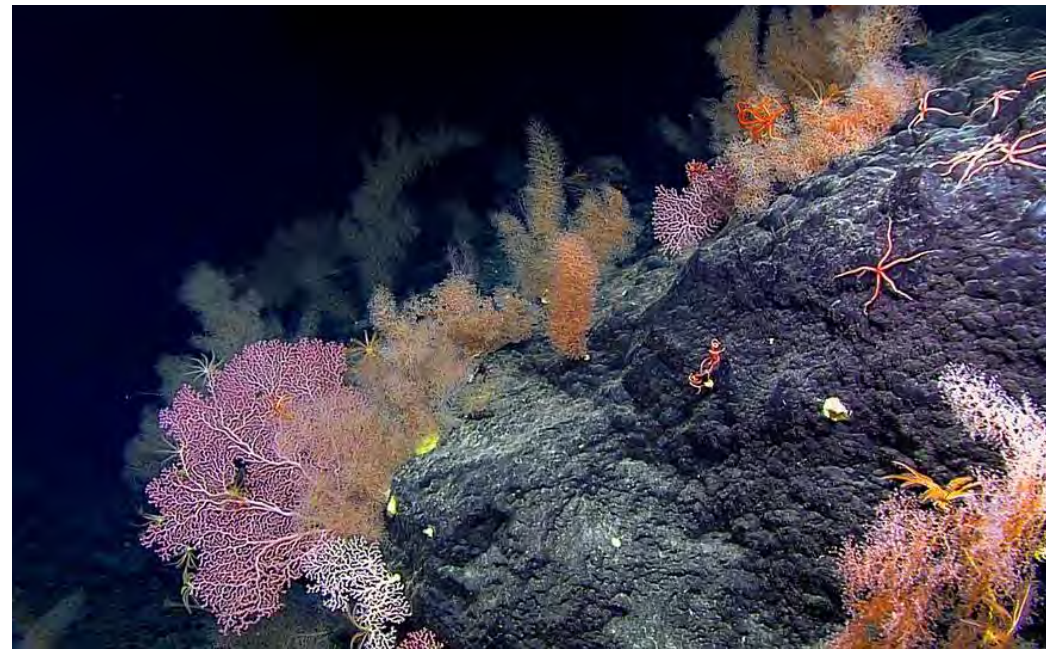
- NCEI intro
- Demonstrations/examples
  - Climate at a Glance
  - NWS List of NCEI Resources
- New product released
  - nClimGrid – Daily
- Useful links



# 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

## NOAA Observing Systems



## Scientific Data Stewardship

## 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



# 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



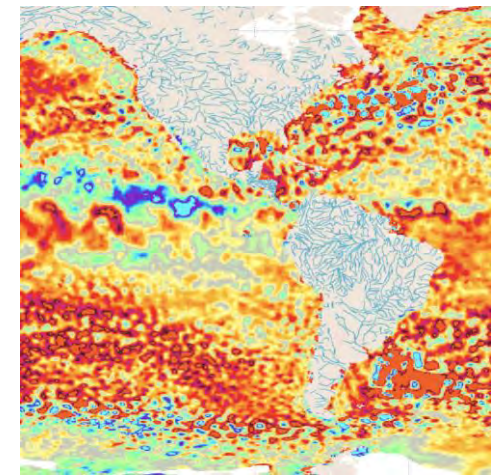
Tornado Climatology



Hourly Precipitation Data



Climate Extremes Index



Blended Sea Winds



# Demonstrations

## 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



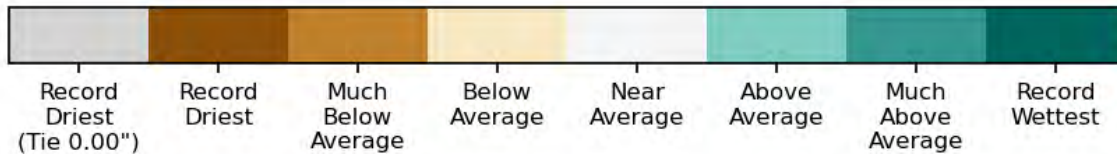
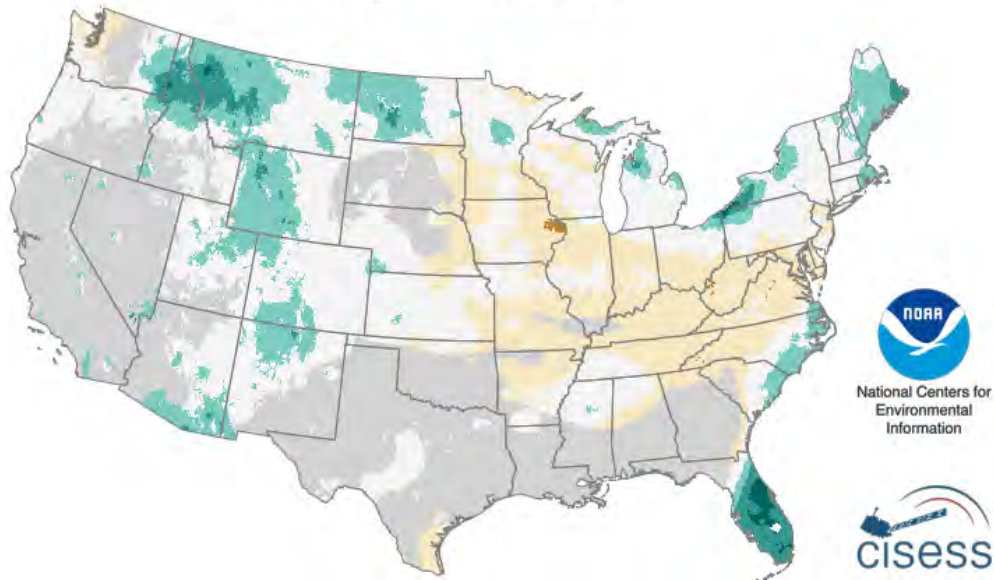
# Newly Released Product!

## nClimGrid – Daily

### Total Precipitation Percentiles

Sep 23-30 2022

Ranking Period: 1951-2022



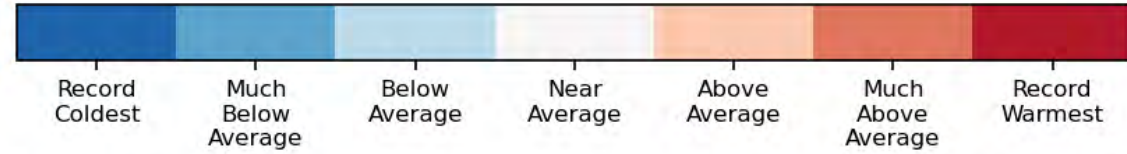
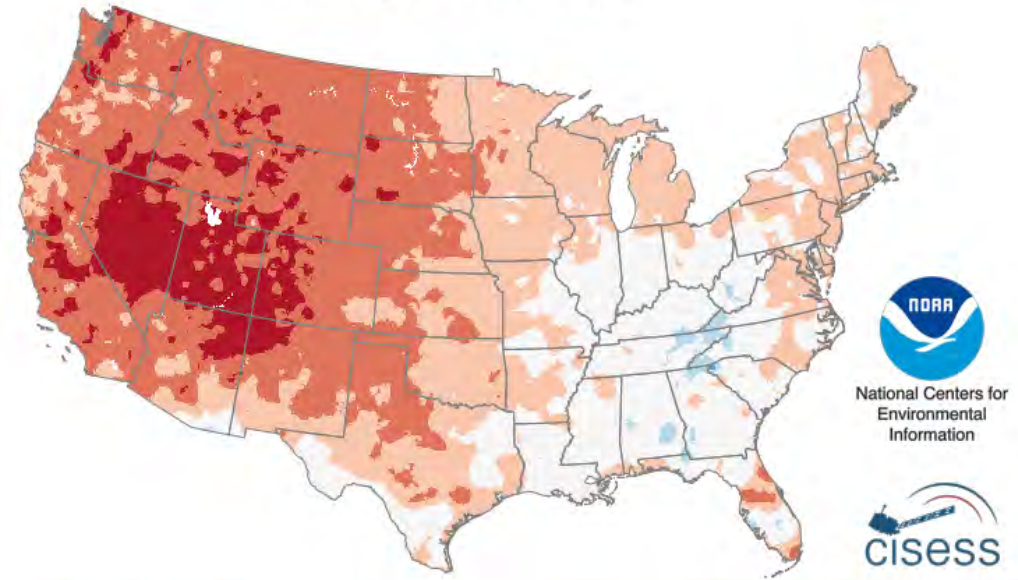
Created: Thu Oct 13 2022  
Final data

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

### Mean Temperature Percentiles

Sep 1-30 2022

Ranking Period: 1951-2022

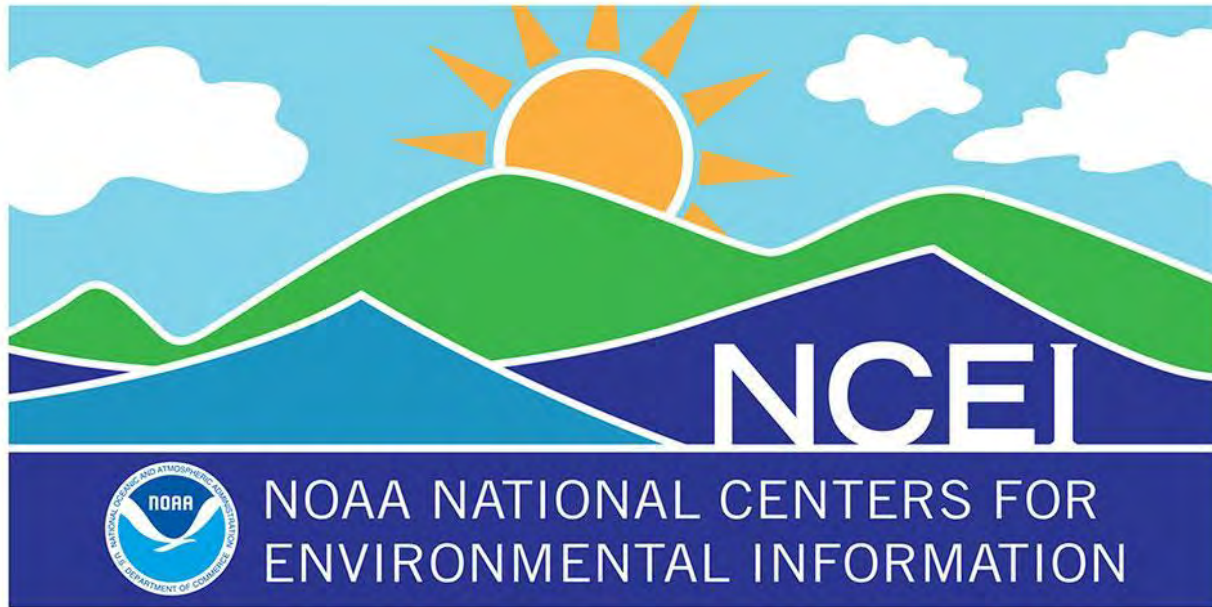


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# Thank You!



<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/>

