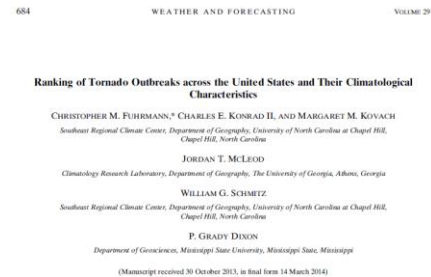
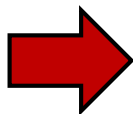
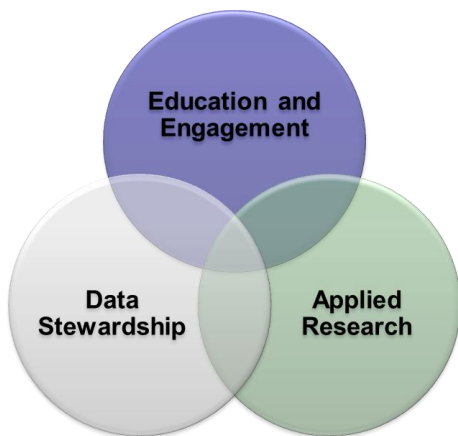




# The Southeast Regional Climate Center: Providing Climate Services for the Southeast U.S.

The SERCC is one of six climate centers and, as part of NOAA's Regional Climate Center Program, serves as the hub for climate services, monitoring, research, and education in the Southeast.

## Functions and Services:



## The Regional Climate Center (RCC) Program

- The RCC program provides *climate services* to a wide variety of users, agencies, industries, researchers, and decision-makers.
- An active weather/climate data archive, known as Applied Climate Information System (ACIS), is maintained by the RCC program. ACIS ingests near real-time data and provides quality-controlled climate data to users, resulting in a valuable climate context for recent and ongoing weather extremes.
- Our climate partners in the region (State Climate Offices, Regional Integrated Sciences and Assessments, National Centers for Environmental Information) play an integrated role in the provision of climate services and in the development of new information and products.

# SERCC Activities

- Monitoring and synthesis of weather and climate impacts across the region → *Regional Summary for NCEI State of the Climate Report*
- Conducting an assessment focused on the human health effects of climate variability and extreme events → *Heat-Health Vulnerability Toolkit*
- Development of web-based climate tools to assess the ongoing state of the climate across the southeastern U.S. by transforming data into value-added information → *Climate Perspectives*

## Examples of SERCC Products and Tools

### Climate Perspectives (CLIMPER):

**Past Climatological Periods**  
At Charleston Area in Charleston, SC (CHSthr)

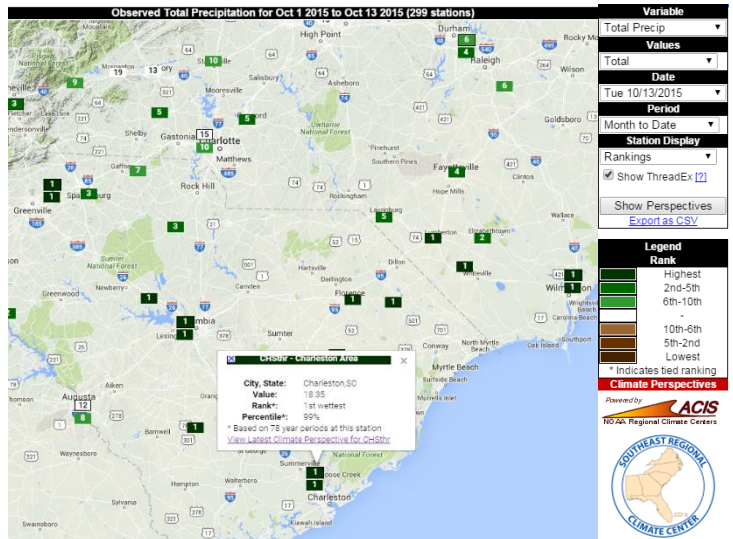
Period of record: 1938-03-01 to 2015-10-13 (current) - 78 Year(s)  
Normals values based on 2010 normals data from Charleston Intl Ap in North Charleston, SC (381544, 0.0 mi S)  
This data was regenerated on Wednesday, October 14th, 2015 at 8:33 AM EDT

Date Pct (%)	Max Temp (°F)	Min Temp (°F)	Avg Temp (°F)	Total Precip (in)	Most similar city (Max Temp./Min Temp.)
Tuesday Oct 13th, 2015	82 (+4.3) T-20th warmest	64 (+6.2) T-14th warmest	73 (+5.2) 14th warmest	0 (-0.13) T-1st driest	New Orleans, LA (80.8 °F, 63.5 °F)
Past 2 Days 10/12/15 - 10/13/15	81 (+3.1) T-26th warmest	61.5 (+3.6) T-24th warmest	71.3 (+3.3) 22nd warmest	0 (-0.25) T-1st driest	Jacksonville, FL (81.2 °F, 61.7 °F)
Past Week 10/07/15 - 10/13/15	80.4 (+1.9) 26th warmest	60.6 (+1.7) T-25th warmest	70.5 (+1.8) 33rd warmest	1.03 (+0.10) 19th wettest	Dallas, TX (80.4 °F, 60 °F)
View History	100%	76.5 (-2.9) 14th coldest	61.8 (+1.7) T-23rd warmest	69.1 (-0.6) T-35th warmest	San Diego, CA (73.5 °F, 52.3 °F)

Climate Historical Periods for Oct 1st - Oct 13th (13 days)  
At Charleston Area in Charleston, SC (CHSthr)

Compared to the 78 year record at Charleston Area in Charleston, SC (CHSthr, 0.0 mi N)  
PLEASE NOTE: Only periods with 90% or more of past data from CHSthr are shown & used for rankings  
[Click here to view additional stats in a new window](#)

Month to Date 10/01/15 - 10/13/15	Station	Year(s)	Data (%)	Avg High Temp (°F)	Rank	Avg Low Temp (°F)	Rank	Avg Mean Temp (°F)	Rank	Total Precip (in)	Rank
	CHSthr	2015	100%	76.5 (65)	61.8 (T-23)	69.1 (T-36)	18.35 (1)				
	CHSthr	1994	100%	74.3 (74)	58.6 (41)	66.5 (T-59)	10.79 (2)				
	CHSthr	2002	100%	84.9 (5)	68.1 (5)	76.5 (2)	7.22 (3)				
	CHSthr	1990	100%	86.5 (2)	68.6 (3)	77.5 (1)	6.49 (4)				
	CHSthr	1964	100%	75.3 (T-69)	55.5 (T-57)	65.4 (T-68)	5.83 (5)				
	CHSthr	1992	100%	75.1 (T-71)	57.2 (T-50)	66.1 (65)	4.83 (6)				
	CHSthr	1996	100%	73.5 (76)	57.2 (T-50)	65.4 (T-68)	4.78 (7)				
	CHSthr	2005	100%	81.8 (T-22)	68.9 (2)	75.3 (5)	4.51 (8)				
	CHSthr	1971	100%	81.5 (25)	59.1 (T-36)	70.3 (T-31)	4.19 (9)				
	CHSthr	2008	100%	79.8 (T-37)	60.7 (T-30)	70.2 (34)	3.97 (10)				
	CHSthr	1979	100%	78.7 (T-45)	54 (70)	66.3 (63)	3.53 (11)				
	CHSthr	1946	100%	78.2 (T-52)	55.2 (T-62)	66.7 (57)	3.26 (12)				
	CHSthr	1962	100%	83.8 (T-9)	62.7 (17)	73.3 (T-12)	2.92 (13)				



### Heat-Health Vulnerability Toolkit:

**NC Heat Health Vulnerability Tool**

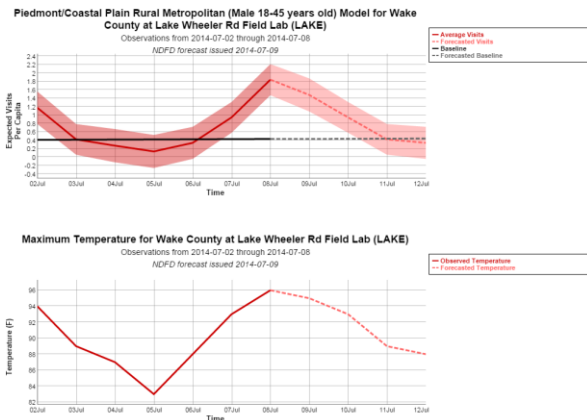
Select a county: Wake County

Select a model: Piedmont/Coastal Plain Metropolitan

Category: Upper/Lower

Baseline: Baseline

Choose a valid forecast date: July 9, 2014



For more information, please visit [www.sercc.com](http://www.sercc.com)!