



Climate Institute

Monitoring NJ Climate Variability & Change

Dr. David A. Robinson

NJ State Climatologist, NJAES

Professor, Department of Geography

Office of the NJ State Climatologist

Data



Information



Knowledge



Decision

ONJSC
at Rutgers University

Office of the New Jersey State Climatologist · Rutgers University · 54 Joyce Kilmer Avenue · Lucy Stone Hall B224 · Piscataway, NJ 08854

Home

Quick Links
[NJWxNet](#)
[New Jersey Forecast](#)
[National Forecast](#)
[NOAA Climate Watch](#)

NJ
[Current Conditions](#)
[Current Forecasts](#)
[Climate Information](#)

US
[Current Conditions](#)
[Current Forecasts](#)
[Climate Information](#)

Other
[Coastal Observations](#)
[El Niño/La Niña](#)
[Hurricanes](#)

ONJSC
[Outreach](#)
[About ONJSC](#)
[Research](#)
[Staff](#)

Latest from the NJWxNet

Temperature
Sun Mar 01 11:15 AM EST
Source: NJWxNet

Frequently Updated Climate Data

[Winter 2014-2015 Snow Event Totals](#)

[Monthly and Annual Statewide \(1895-Present\)](#)

[Monthly Station](#)

[Monthly Maps](#)

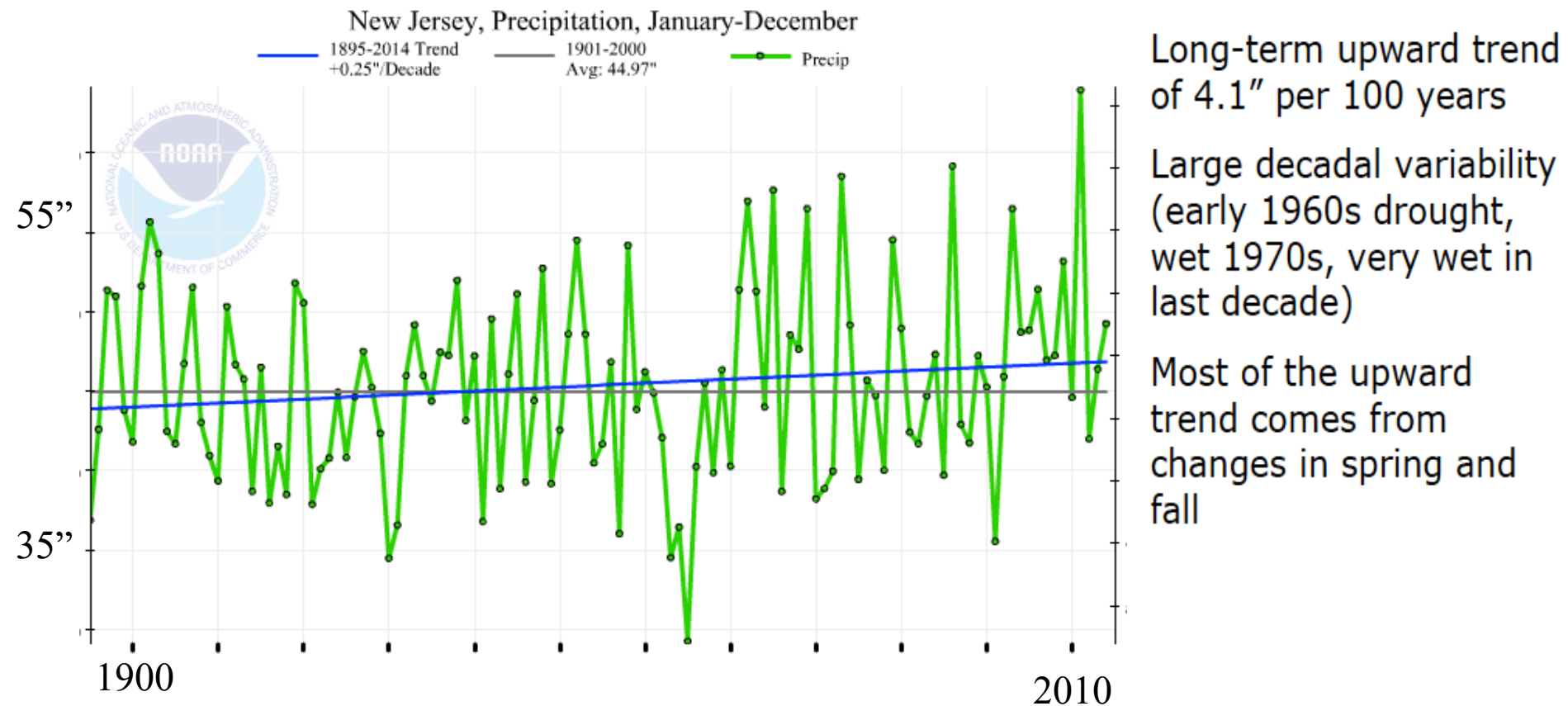
Latest News

Sea Smoke rises from the relatively warm water off Sea Girt (Monmouth County) on a 10 degree January 8th morning. Photo courtesy of Jay Amberg.

Wooly and a Bit Wild: January 2015 Recap

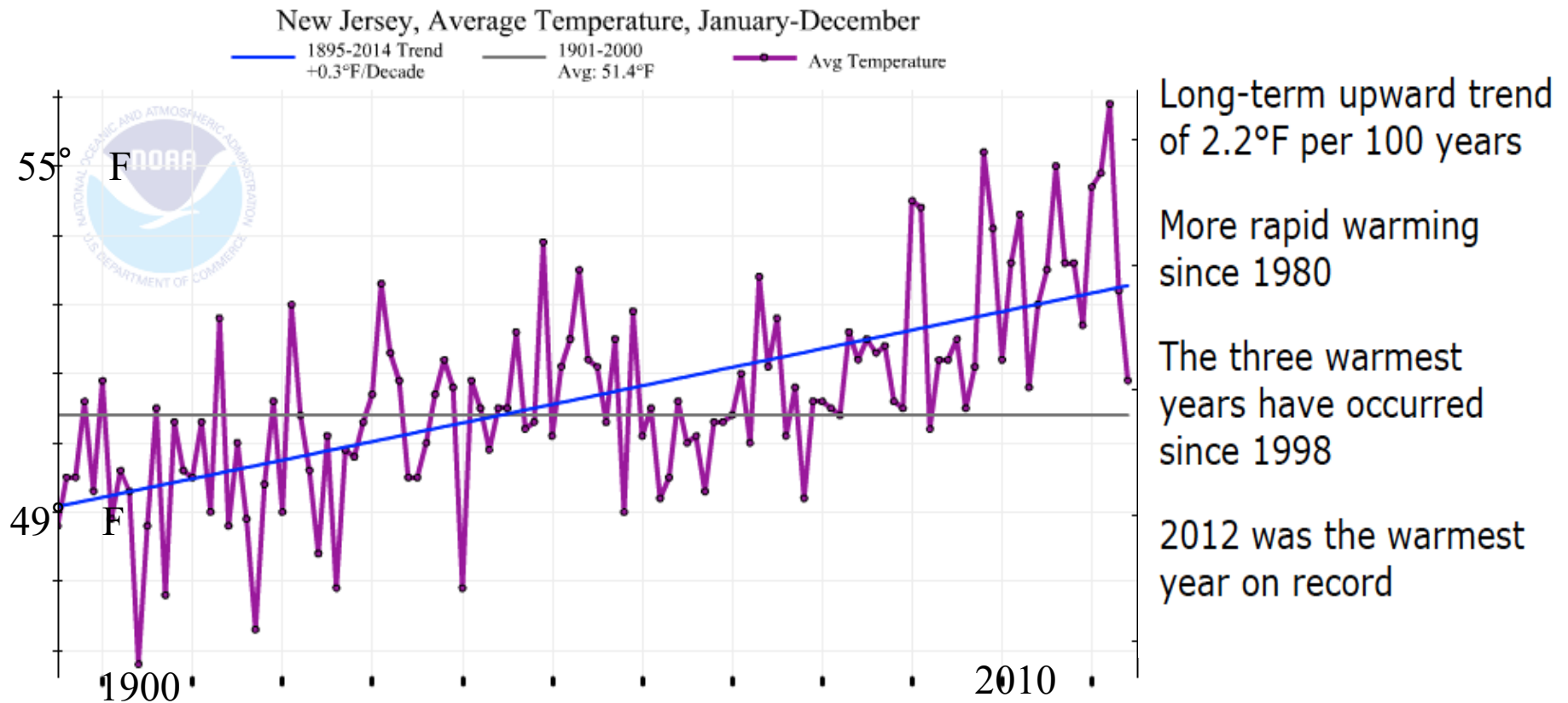
Monitoring over past decades

Trends in annual mean New Jersey precipitation: 1895-2014



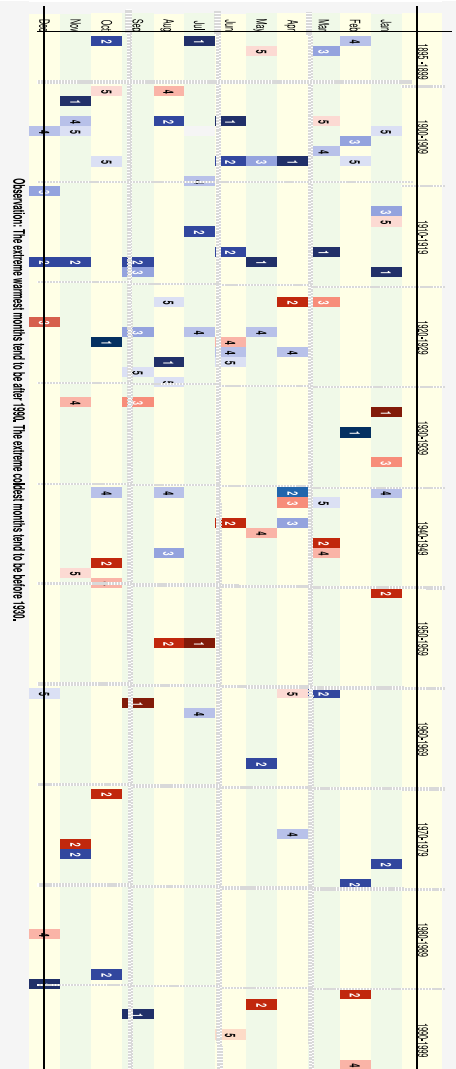
data source: National Climatic Data Center

Trends in annual mean New Jersey temperature; 1895-2014



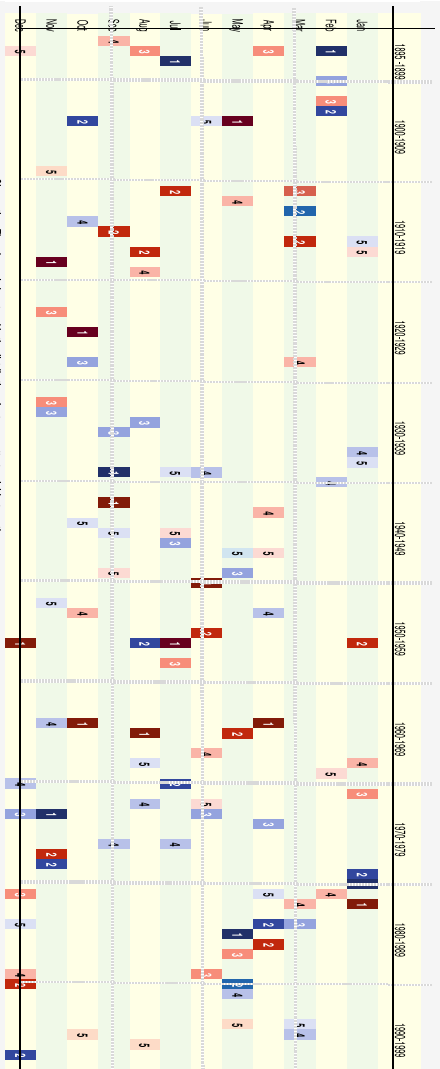
data source: National Climatic Data Center

Temperature - For each calendar month the 5 warmest and 5 coldest years in New Jersey



Observation: The extreme warmest months tend to be after 1950. The extreme coldest months tend to be before 1930.

Precipitation - For each calendar month the 5 driest and 5 wettest years in New Jersey



Observation: There is no obvious trend in the distribution of extreme wettest and driest months.

Explanation

- Each month has two sets of 1-5, one set in shades of red for warmest/driest and one set in shades of blue for coldest/wettest.
- The are indicated by the same number appearing twice for the same month.
- The period of record is January 1865 to December 2014.
- Monthly rankings are based on Statewide averages of monthly temperature and precipitation.
- All data are from the web page of the New Jersey State Climatologist.



For more information:
 Dr. David A. Robinson
 NJ State Climatologist
 Rutgers University
<http://climate.rutgers.edu/states.htm>
 Dr. Jeffrey L. Herman
 New Jersey Geological & Water
 N.J. Dept. of Environmental Protection
Jeffrey.L.Herman@dep.state.nj
<http://www.njgeology.org>

January 2015

More extreme months since the turn of the century

Monitoring current conditions

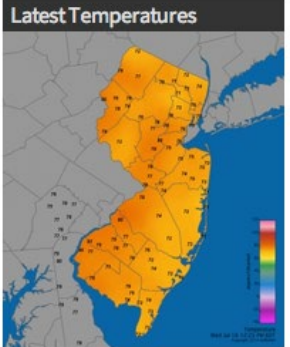
NJ Weather & Climate Network

NJweather.org


BROUGHT TO YOU BY


[Home](#)
[News](#)
[Blog](#)
[myWxNet](#)
[Tabular Data](#)
[Maps](#)
[Charts](#)
[Contact Us](#)
[Login](#)

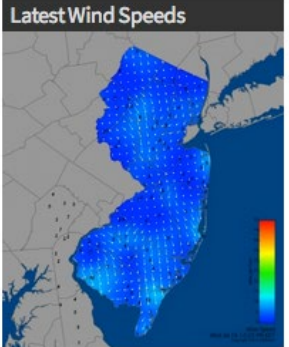
Latest Temperatures



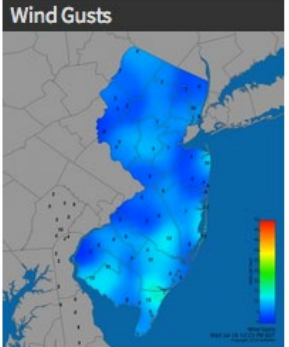
Current Radar



Latest Wind Speeds



Wind Gusts



Top Story

On the Mild and Dry Side: June 2014 Summary and Mid-Year Recap

Friday, July 4, 2014 - 5:17pm



Flash flooding in Stewartville (Warren County) on June 13. Photo courtesy of Dave Dabour

Latest Conditions & Forecast

Enter a zipcode to view the latest conditions, forecasts, graphs, maps and more for the location nearest to you.

Hillsborough, NJ

78°F

Wind
7 mph from the NNE

Wind Gust
7 mph from the NNE



Partly Sunny
83 °F
This Afternoon



Partly Cloudy
59 °F
Tonight



Mostly
82 °F
Thursday



Mostly Clear
57 °F
Thursday Night

[view current conditions & full forecast](#)

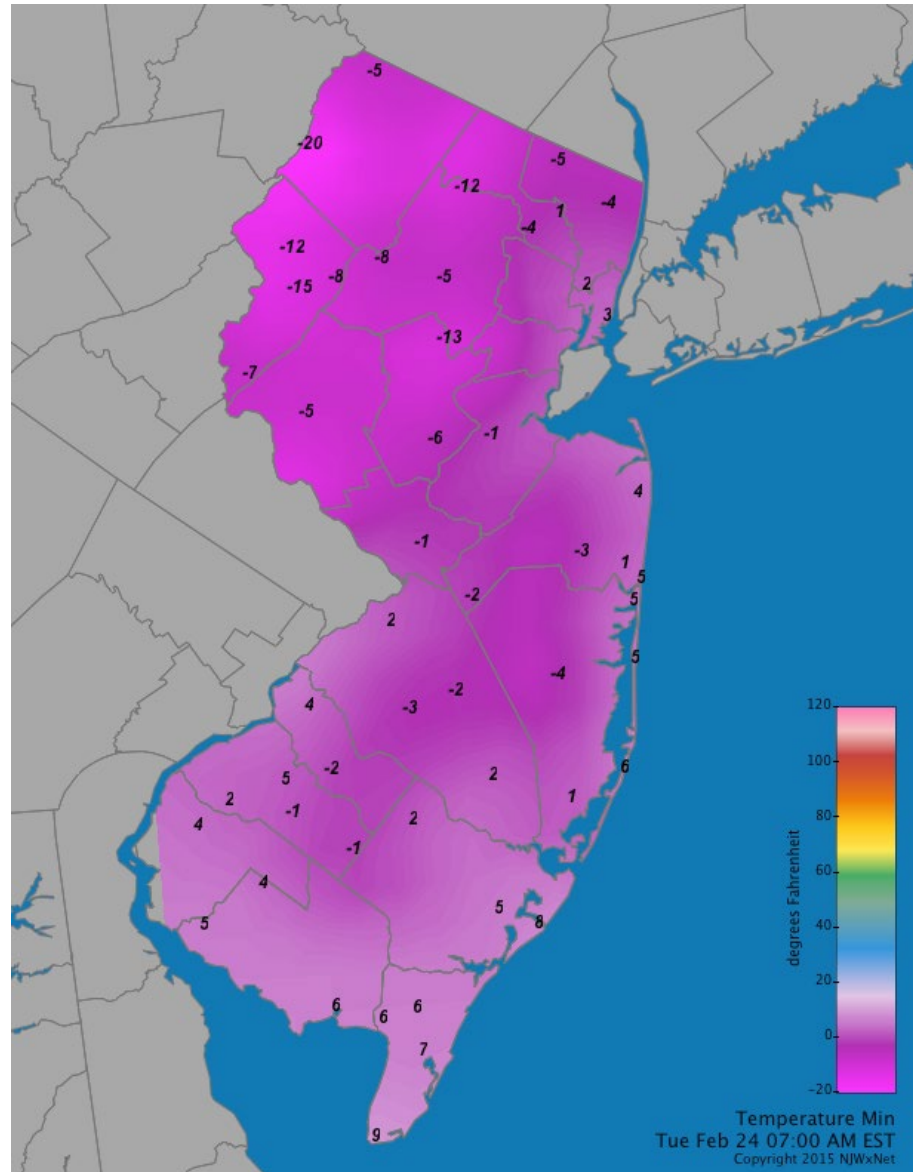
NJWxNet

58 stations
(10 more in 2015)

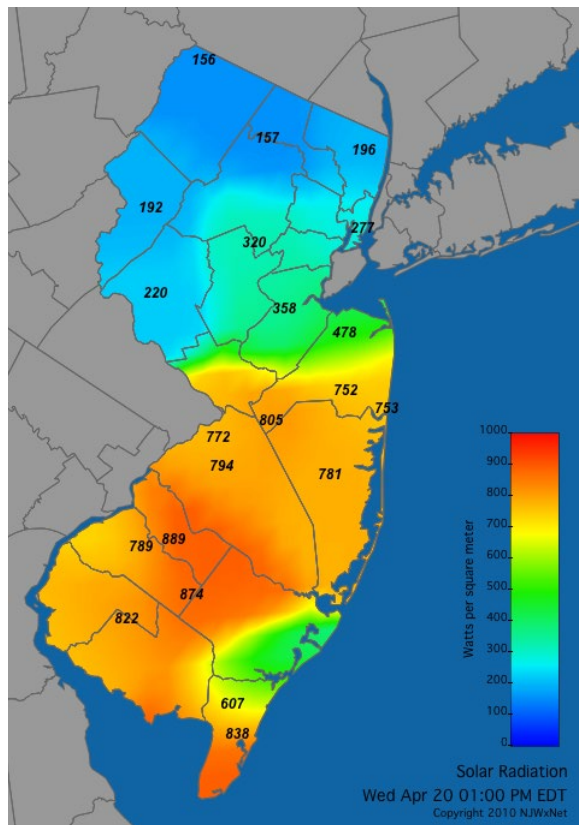
5 minute updates

Multitude of variables

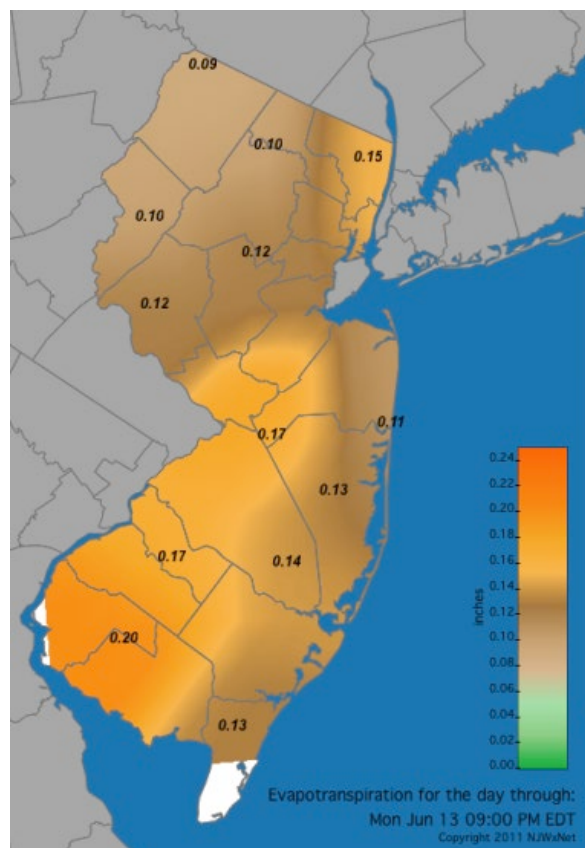
NJweather.org



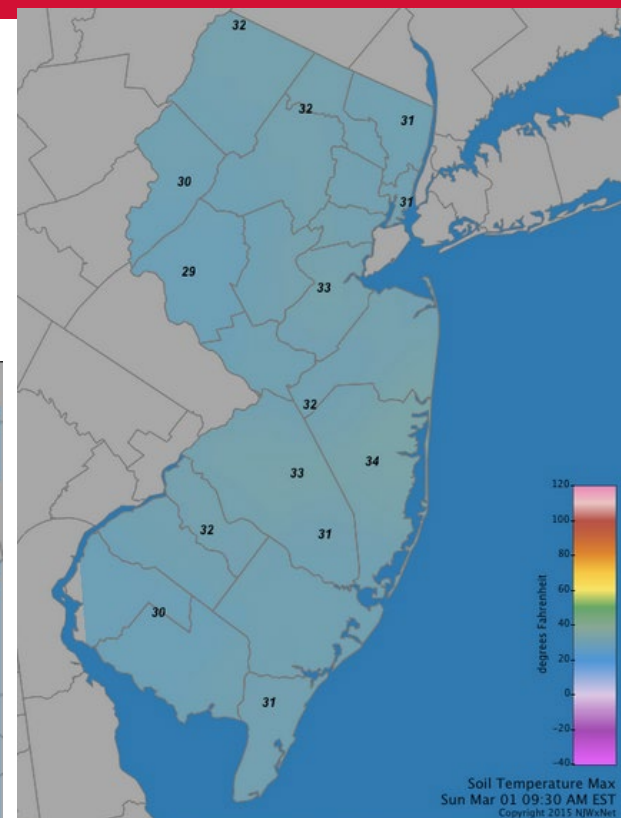
Unique variables for the agricultural community



Solar Radiation



Evapotranspiration



Soil temperature
and moisture

Basking Ridge, NJ

SET AS FAVORITE

search by zipcode or city/state

GO

Latest NWS Forecast



Partly Sunny

83 °F

This Afternoon

Partly sunny, with a high near 83. Northwest wind 5 to 7 mph.



Partly Cloudy

59 °F

Tonight

Partly cloudy, with a low around 59. Calm wind becoming north around 5 mph after midnight.



Mostly Sunny

82 °F

Thursday

Mostly sunny, with a high near 82. North wind 3 to 6 mph.



Mostly Clear

56 °F

Thursday Night

Mostly clear, with a low around 56. Calm wind.



Friday

Mostly sunny, with a high near 85. Calm wind becoming east around 6

Latest Conditions

76 °F



Wind

5 mph from the N

Wind Gust

8 mph from the N

Temperature
Heat Index
Dewpoint
Wind Speed/Gust
Precip

Now	This Hour		Last 6 hr		Today		Last 24 hr	
76	75	77	62	77	62	77	62	83
--	--	--	--	--	--	--	--	--
53	54	64	53	64	53	70	53	77
5	--	8	--	10	--	15	--	16
--	0.00		0.00		0.05		1.09	

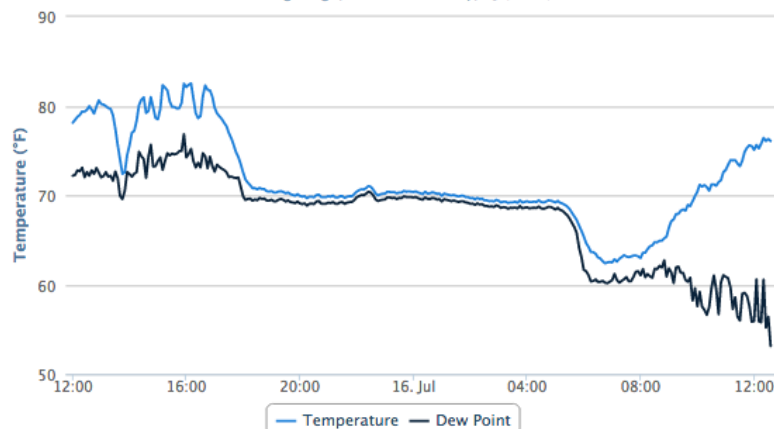
Values in blue are minimums, values in red are maximums. Data as of Jul 16 12:35 PM.

View expanded tabular data for this station: [5 Minute](#) / [Hourly](#) / [Daily](#)

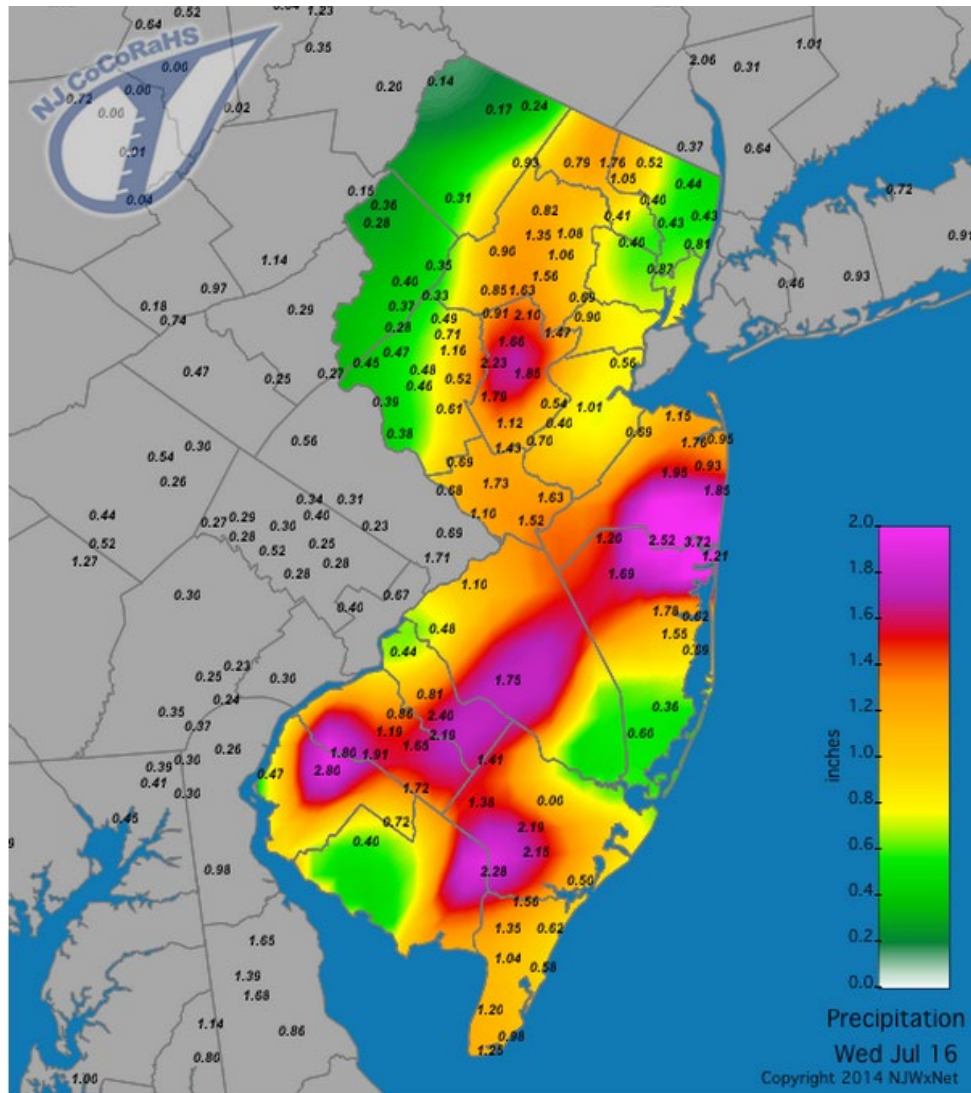
Trends and Climatologies

Temperature / Dew Point

Basking Ridge, Somerset County, NJ (#285)



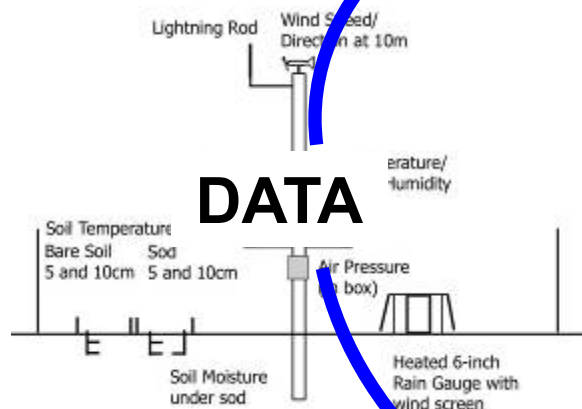
Community Collaborative Rain, Hail and Snow Network:



7AM 15 July – 7AM 16 July, 2014

www.cocorahs.org

Working together to serve the NJ agricultural community



DATA

Office of the **NJ State Climatologist**
RUTGERS UNIVERSITY



PRODUCTS



OUTREACH & TRAINING