

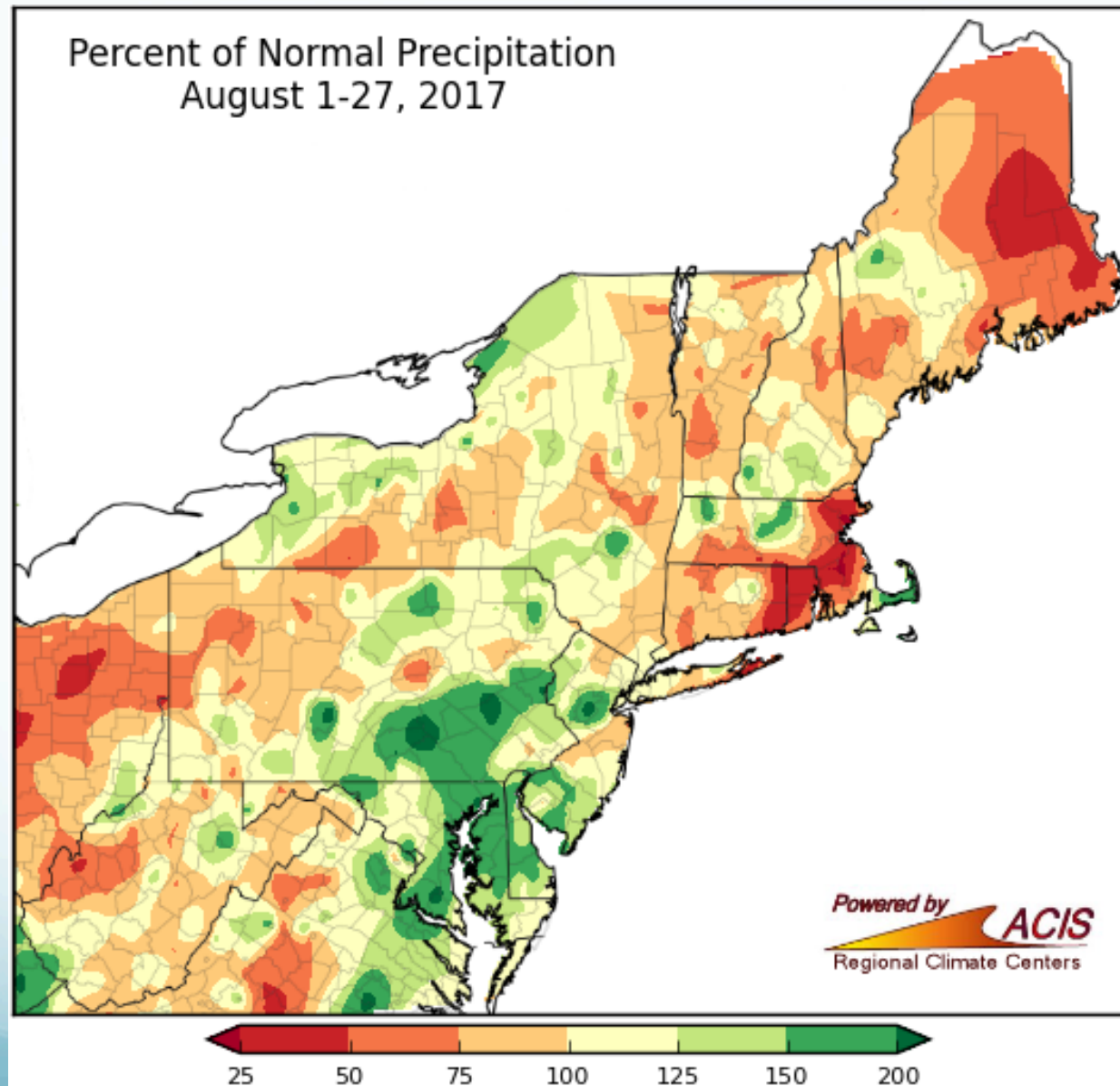
# August Conditions

By: Samantha Borisoff, Climatologist



Northeast Regional Climate Center

# August Precipitation



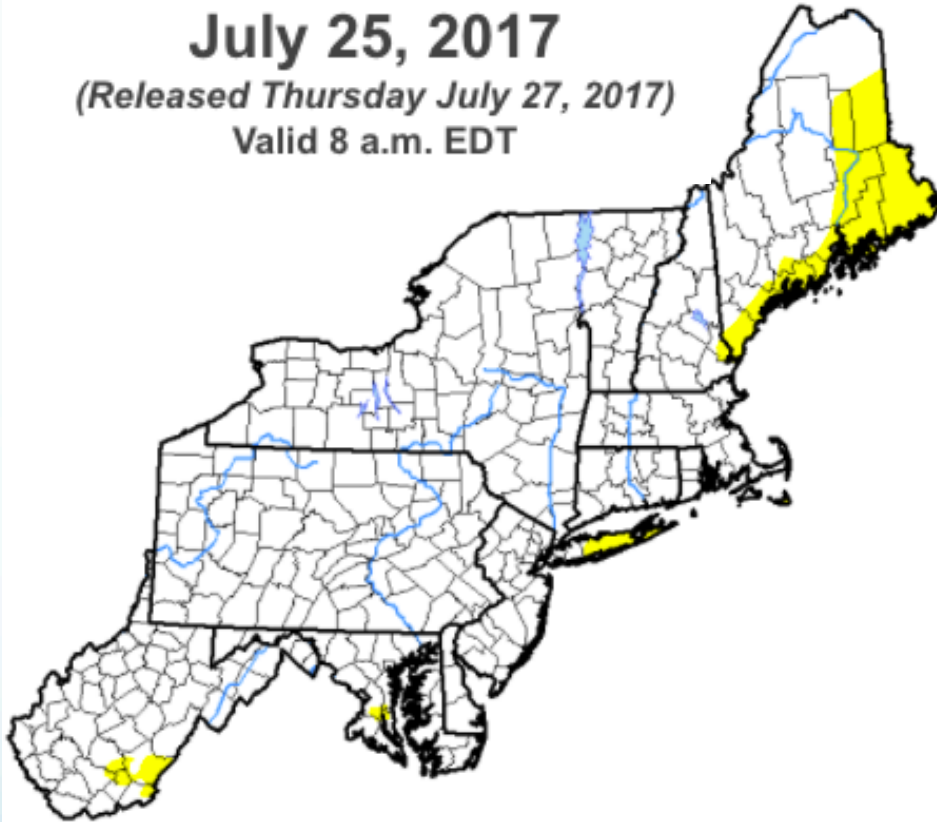
From 25% of normal to more than 200% of normal

# Drought Monitor

**July 25, 2017**

*(Released Thursday July 27, 2017)*

Valid 8 a.m. EDT

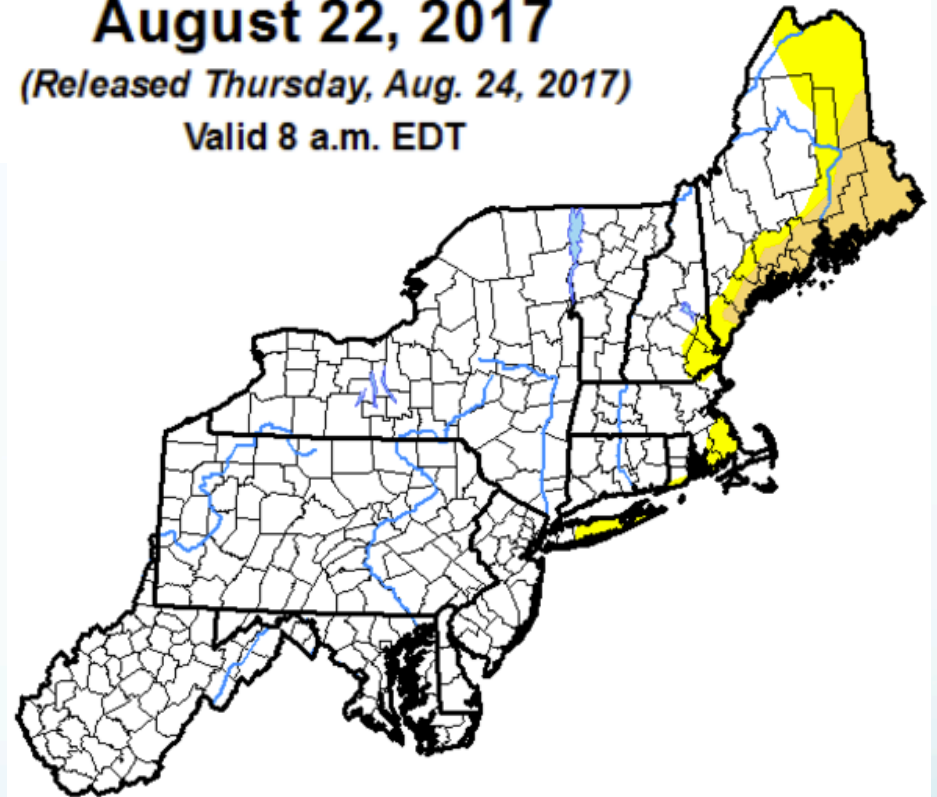


7% of the Northeast  
was abnormally dry

**August 22, 2017**




*(Released Thursday, Aug. 24, 2017)*

Valid 8 a.m. EDT

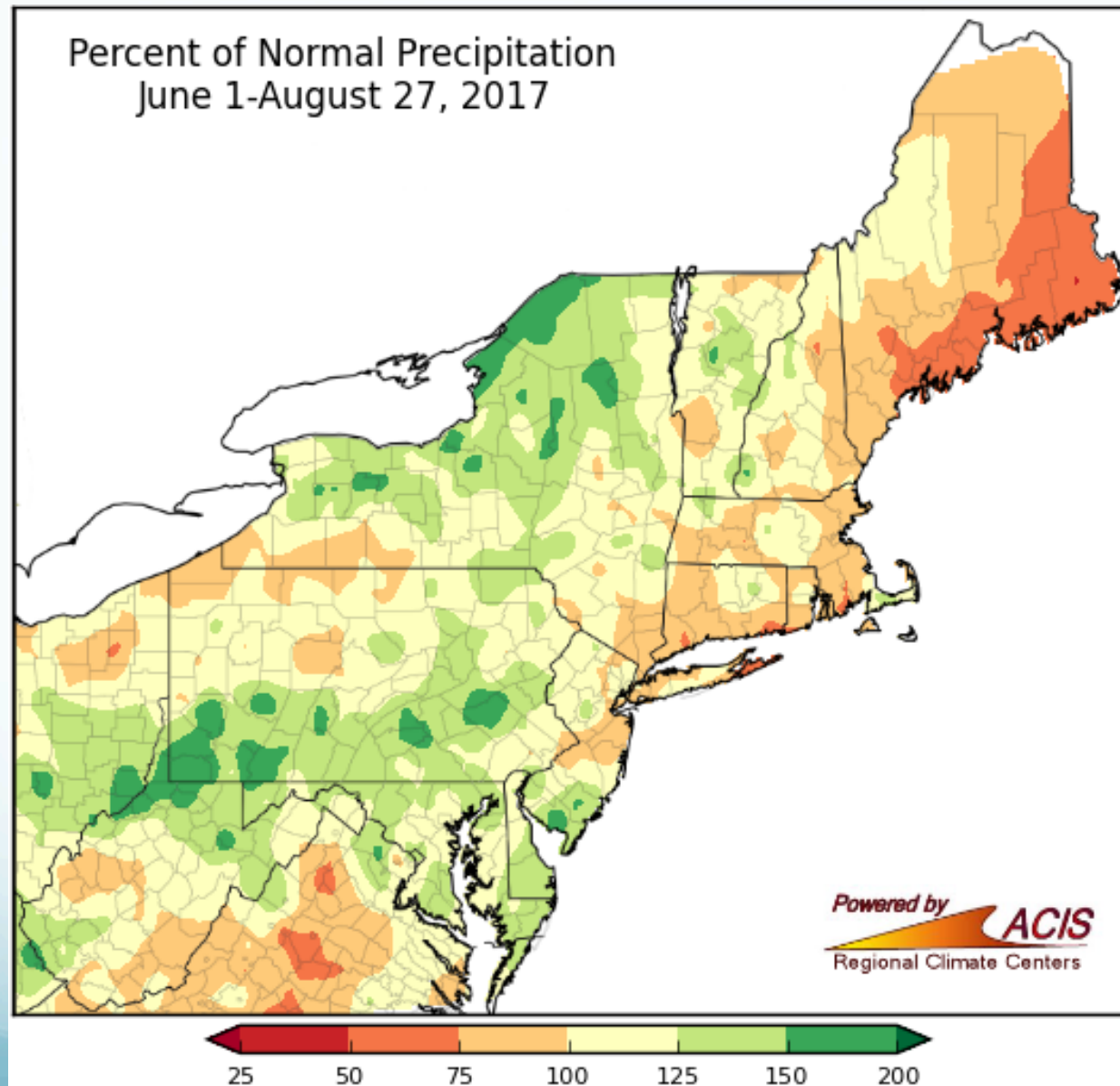


6% abnormally dry  
5% in moderate drought

Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought

# Summer Precipitation



From 50% of normal to 200% of normal

# Summer Precipitation

## Time Series Summary for Binghamton Area, NY (ThreadEx) - Jun through Aug

Click column heading to sort ascending, click again to sort descending.

| Rank | Year | Number of Days Precipitation >= 0.01 | Missing Count |
|------|------|--------------------------------------|---------------|
| 1    | 2017 | 47                                   | 3             |
| 2    | 1972 | 46                                   | 0             |
| 3    | 2009 | 44                                   | 0             |
| -    | 2006 | 44                                   | 0             |
| 5    | 1989 | 43                                   | 0             |

Greatest number of days with measurable rain for summer

## Time Series Summary for Williamsport Area, PA (ThreadEx) - Jun through Aug

Click column heading to sort ascending, click again to sort descending.

| Rank | Year | Number of Days Precipitation >= 2.00 | Missing Count |
|------|------|--------------------------------------|---------------|
| 1    | 2017 | 3                                    | 4             |
| 2    | 2006 | 2                                    | 0             |
| -    | 1983 | 2                                    | 0             |
| -    | 1972 | 2                                    | 0             |
| -    | 1961 | 2                                    | 0             |

Greatest number of days with 2" or more rain for summer

| Site          | June 1-Aug 22, 2017 Precip (in.) | June 1-Aug 22, 2017 Normal Precip (in.) | Difference (in.) | Percent Normal | Jan-June Normal Precip (in.) |
|---------------|----------------------------------|---|------------------|----------------|------------------------------|
| Allentown, PA | 21.85                            | 12.95                                   | 8.90             | 169%           | 21.13                        |

Six months of rain in three months

5<sup>th</sup> all-time wettest day on record

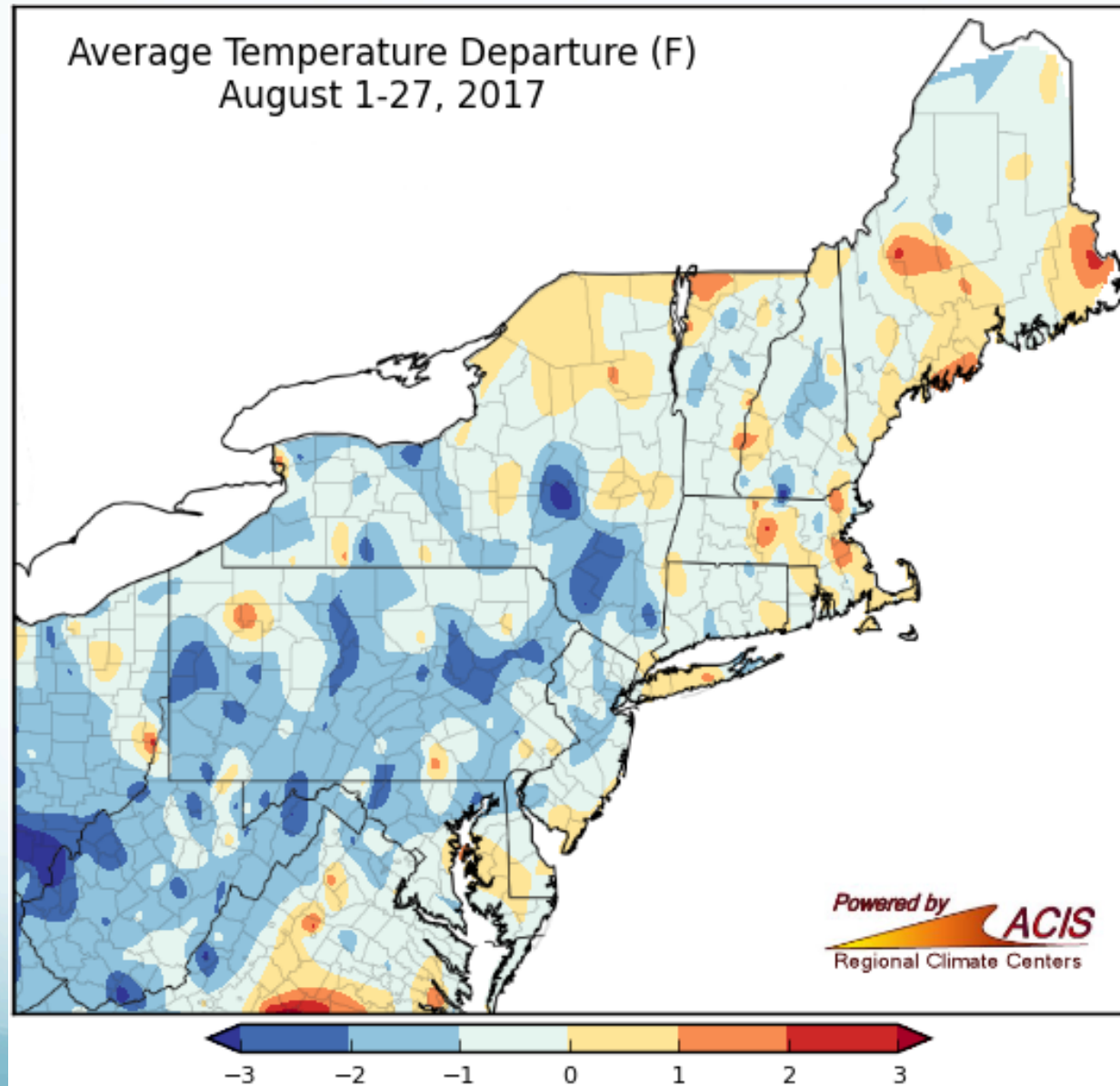
## Maximum 1-Day Total Precipitation for Middletown-Harrisburg Area, PA (ThreadEx)

Click column heading to sort ascending, click again to sort descending.

| Rank | Value | Ending Date |
|------|-------|-------------|
| 1    | 9.13  | 1972-06-22  |
| 2    | 7.71  | 2011-09-07  |
| 3    | 5.81  | 1972-06-21  |
| 4    | 5.72  | 2013-10-11  |
| 5    | 4.71  | 2017-07-23  |

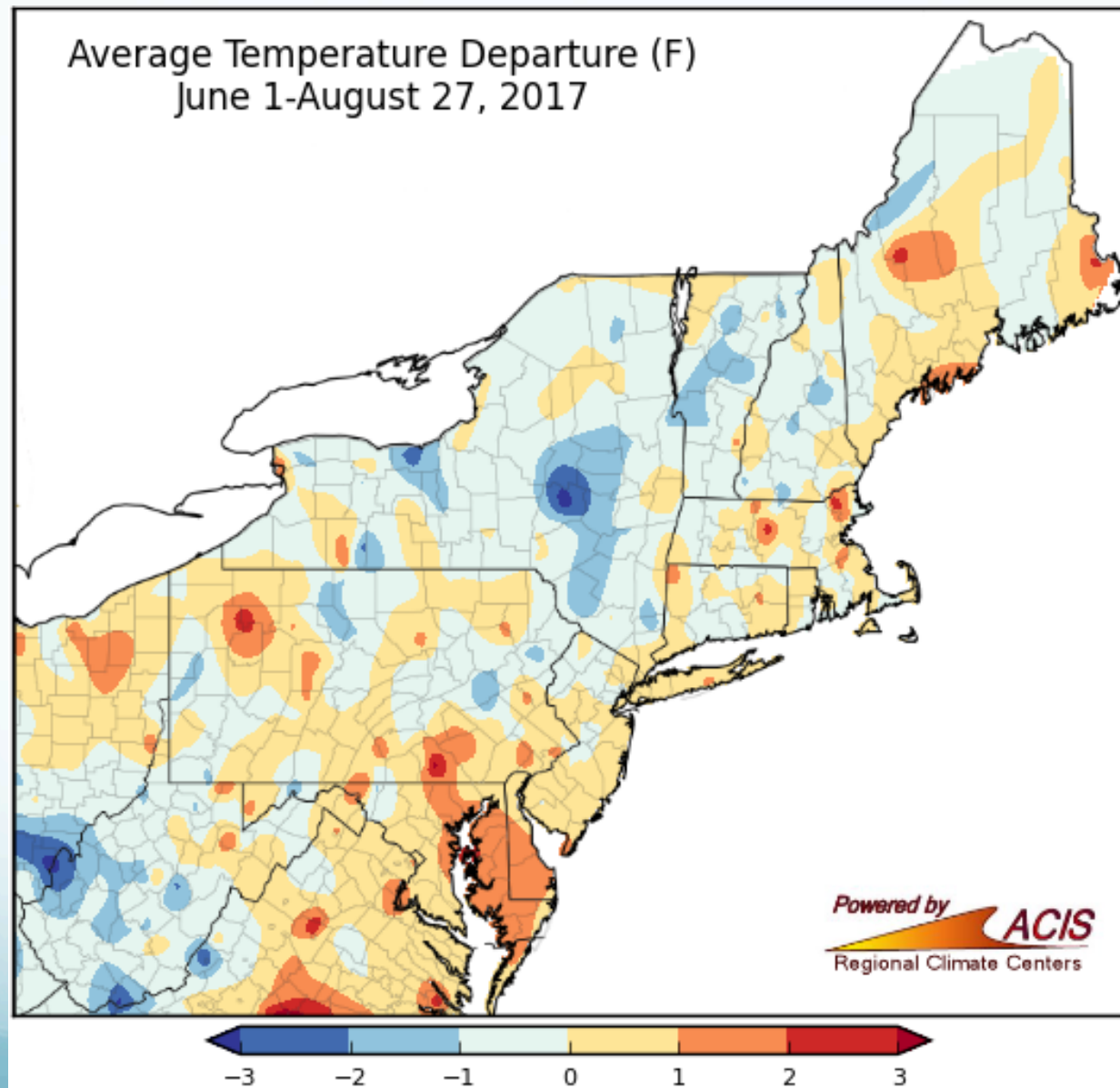


# August Temperatures



From 3°F below normal to 2°F above normal

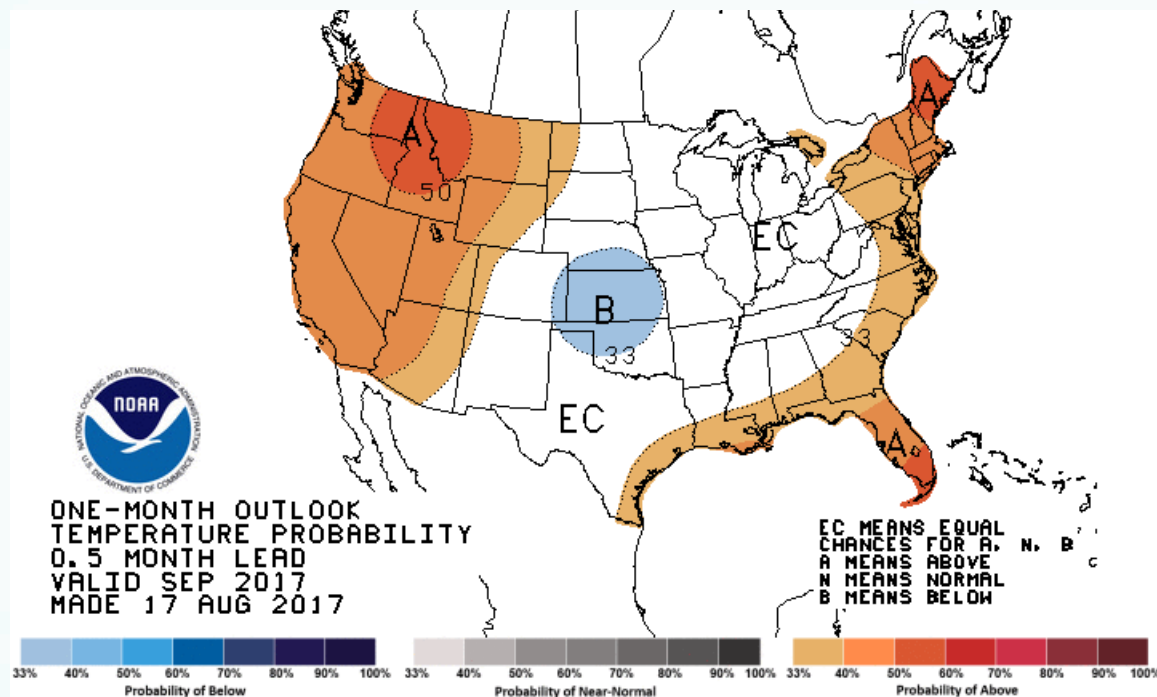
# Summer Temperatures



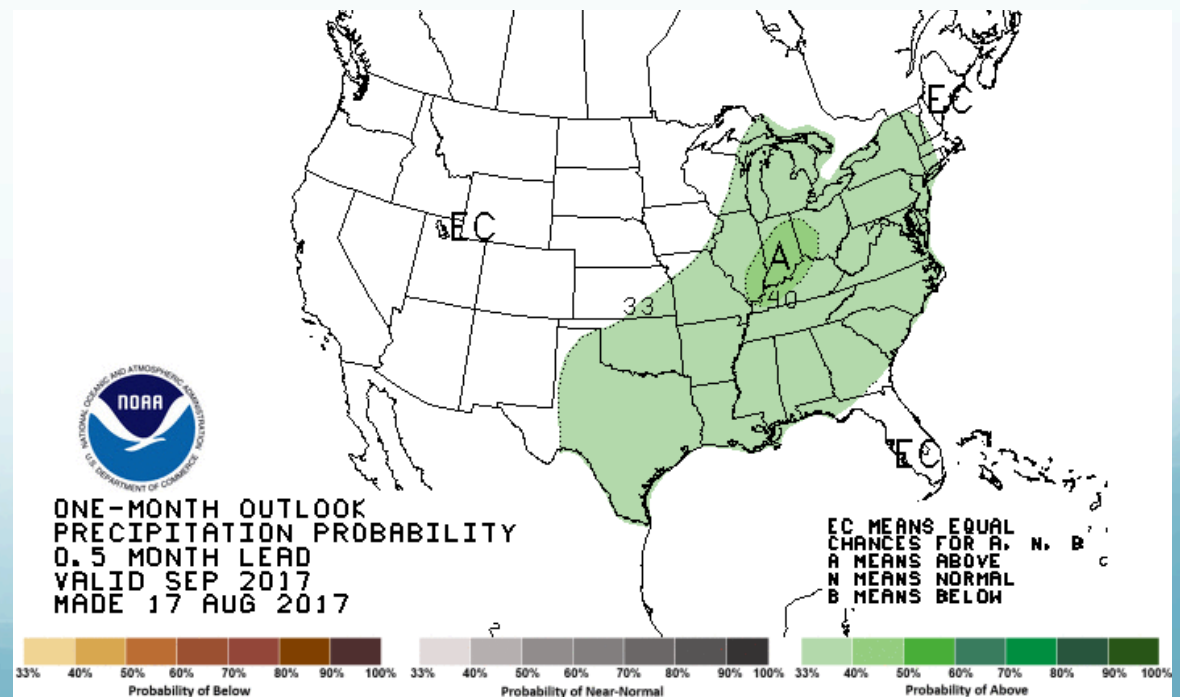
From 3°F below normal to 2°F above normal

# September Outlooks

Increased chance of above-normal temperatures (left)



Equal chances of below-, near-, or above-normal precipitation (right)





# Contact Information

- sgh58@cornell.edu or nrcc@cornell.edu
- 607-255-1751

## Upcoming Webinars

- Thursday, September 28 at 9:30 am
  - Weather impacts on agriculture & USDA Northeast Climate Hub projects
- Thursday, October 31 at 9:30 am
  - TBD
- Thursday, November 30 at 9:30 am
  - TBD

[www.nrcc.cornell.edu](http://www.nrcc.cornell.edu)