

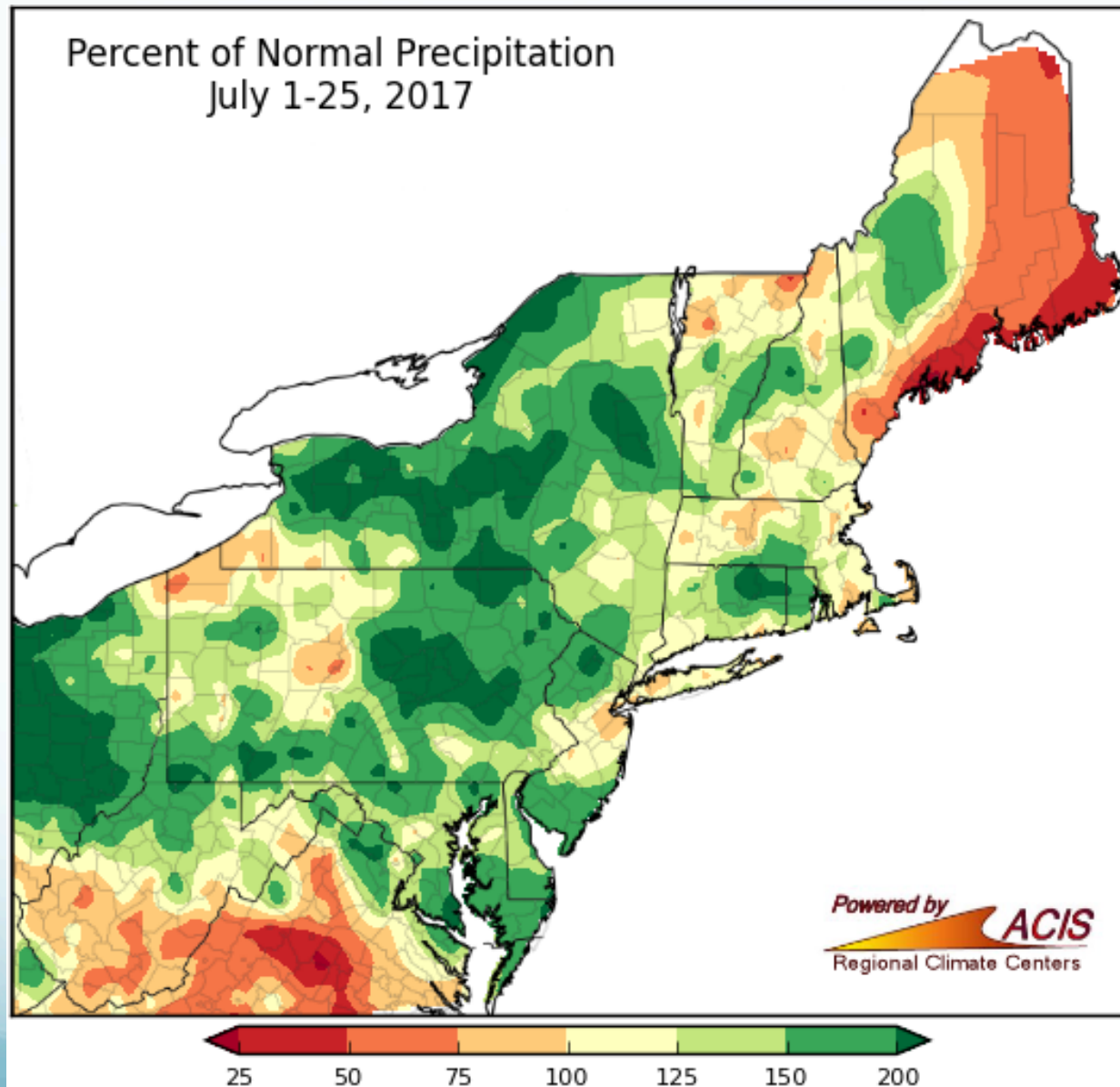
July Recap

By: Samantha Borisoff, Climatologist



Northeast Regional Climate Center

July Precipitation



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

Extreme Precipitation

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
6	4.66	1933-08-23
-	4.66	1889-05-31
8	4.59	1975-09-26
9	4.37	2015-09-10
10	4.34	1973-09-14

Period of record: 1888-07-01 to 2017-07-25

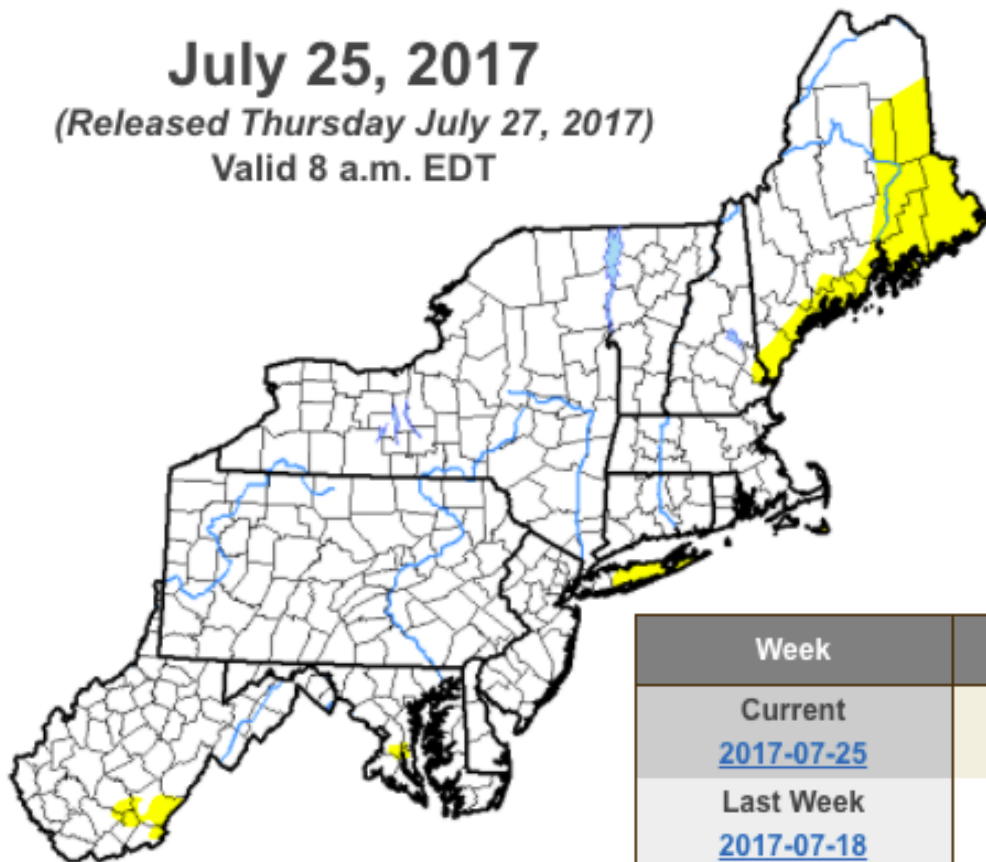
- Several extreme rainfall and flash flooding events during July
- 4.27" rain in 1 hour at Harrisburg International Airport = 1,000 year storm event
- 4.71" daily total = 5th wettest day on record

Drought Monitor

July 25, 2017

(Released Thursday July 27, 2017)

Valid 8 a.m. EDT



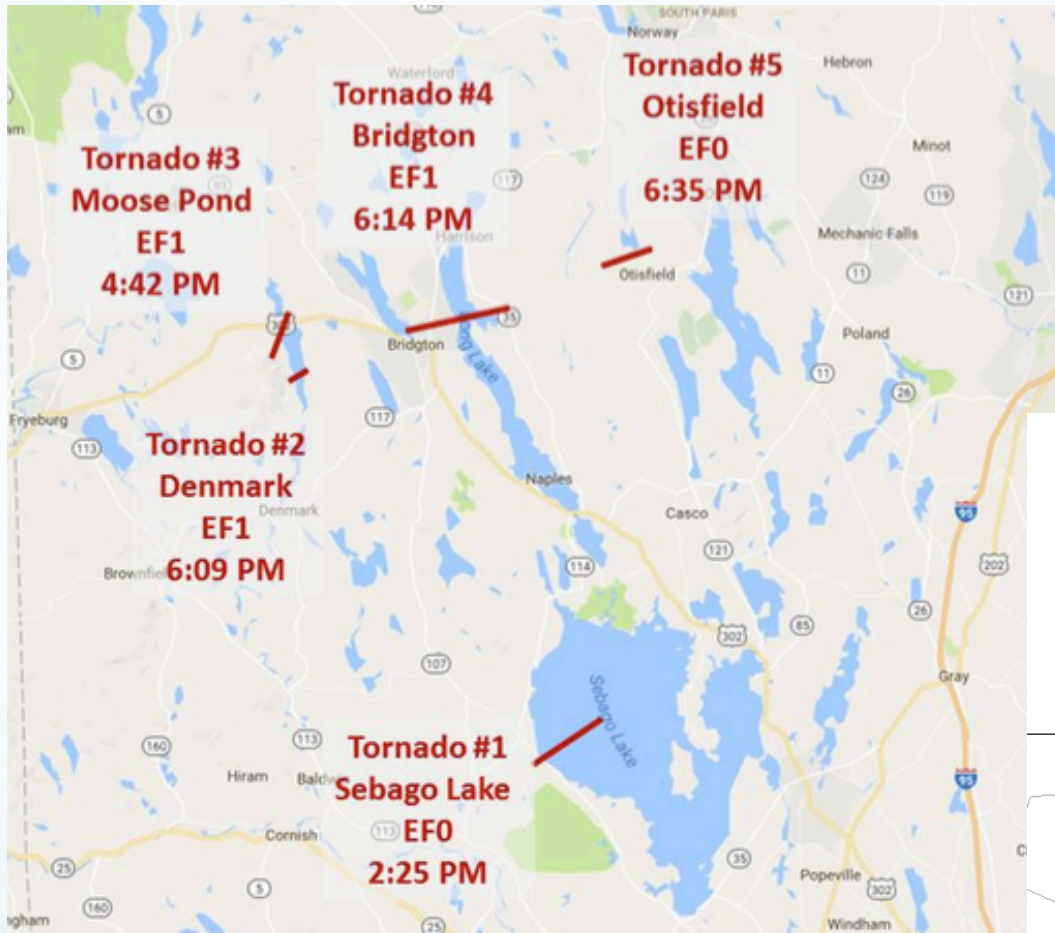
Intensity:

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

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current 2017-07-25	93.06	6.94	0.00	0.00	0.00	0.00
Last Week 2017-07-18	97.19	2.81	0.00	0.00	0.00	0.00
3 Months Ago 2017-04-25	83.33	16.67	3.45	0.00	0.00	0.00
Start of Calendar Year 2016-12-27	29.58	70.42	43.73	14.56	3.11	0.00
Start of Water Year 2016-09-27	21.72	78.28	40.32	19.59	6.68	0.00
One Year Ago 2016-07-26	34.19	65.81	29.09	10.10	0.00	0.00

Some abnormally dry areas

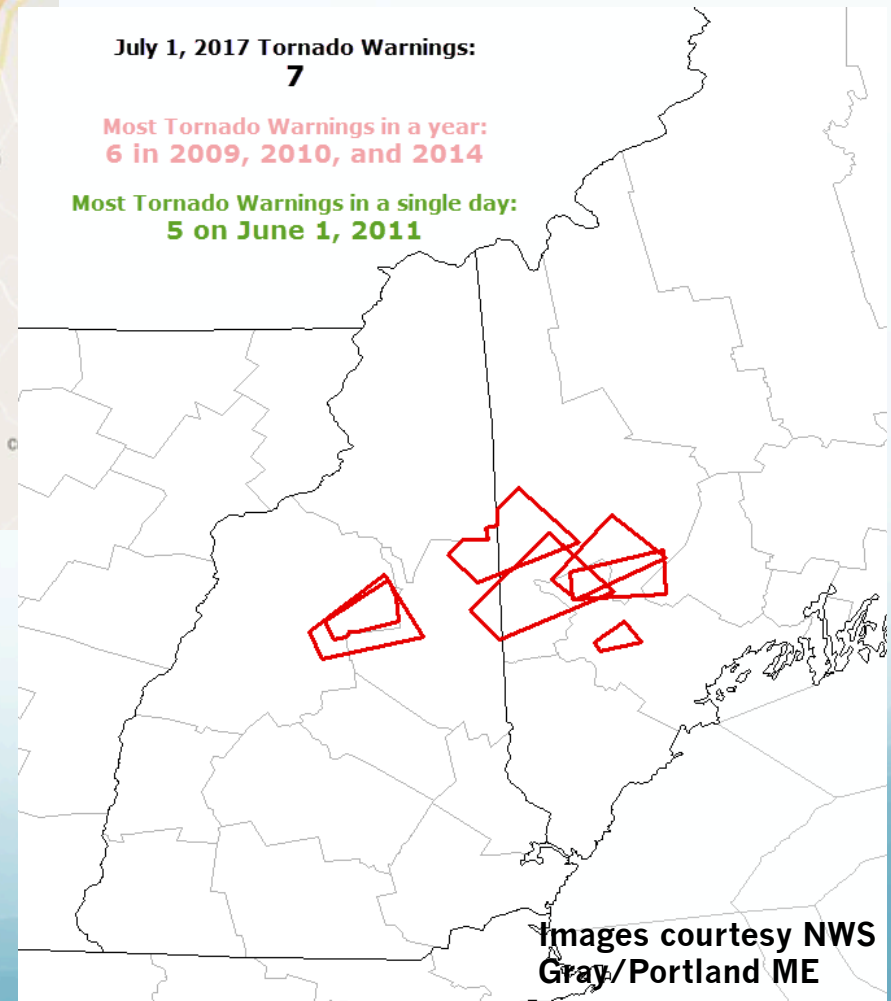
Severe Weather



July 1, 2017 Tornado Warnings:
7

Most Tornado Warnings in a year:
6 in 2009, 2010, and 2014

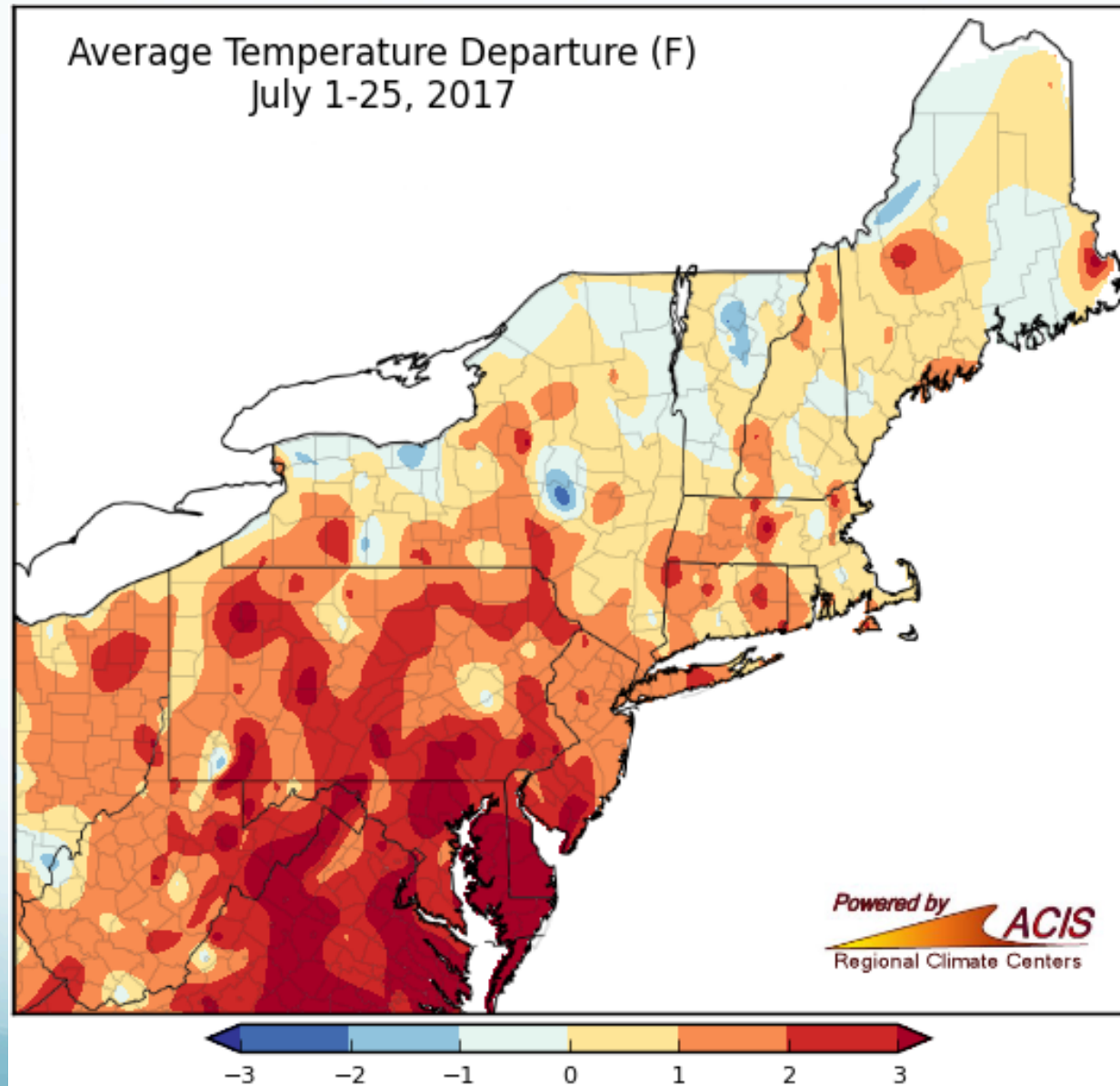
Most Tornado Warnings in a single day:
5 on June 1, 2011



- Five tornadoes in Maine on July 1 – state averages 2 per year
- 7 tornado warnings issued by NWS GYX – greatest number for any day or year on record
- EF-2 tornadoes in New York and Maryland

Images courtesy NWS
Gray/Portland ME

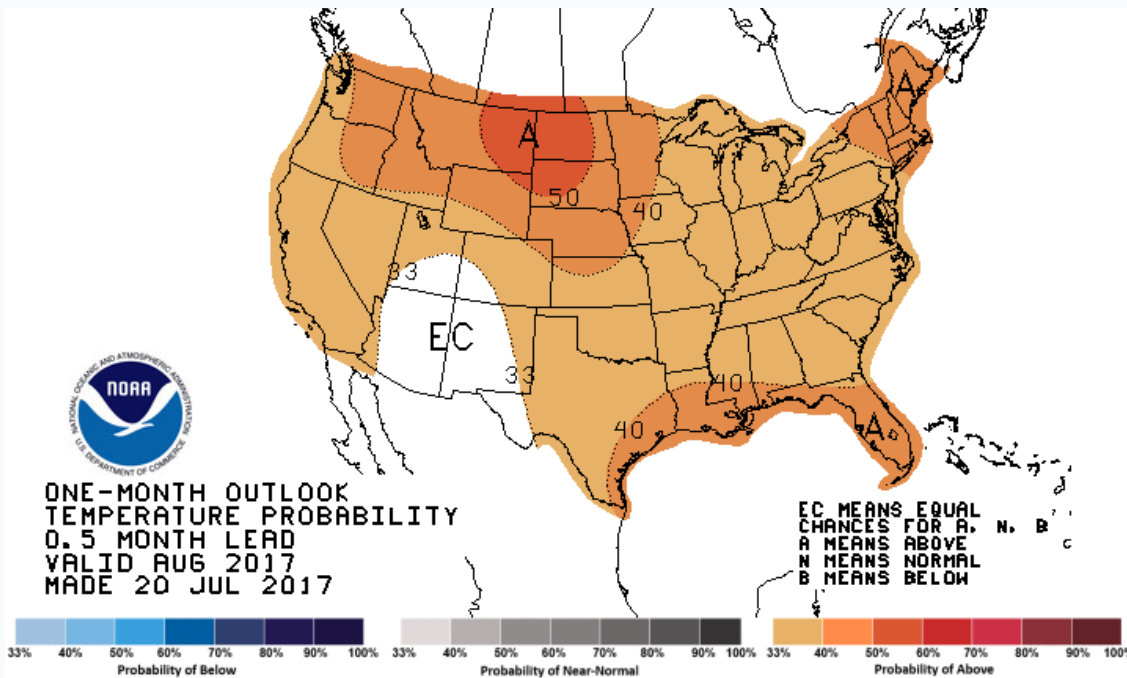
July Temperatures



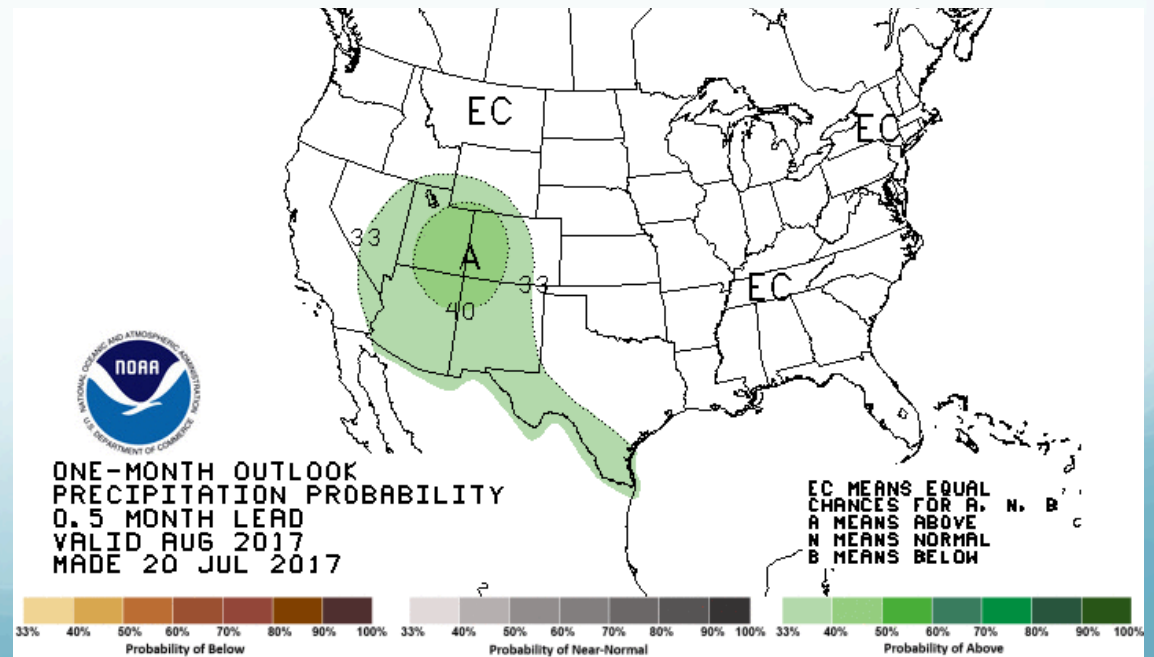
From 2°F below normal to more than 3°F above normal

August Outlooks

Increased chance of above-normal temperatures (left)



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



Contact Information

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Upcoming Webinars

- Tuesday, August 29 at 9:30 am
 - Hurricane outlook and season update
- Thursday, September 28 at 9:30 am
 - Weather impacts on agriculture & USDA Northeast Climate Hub projects
- Thursday, October 31 at 9:30 am
 - TBD

www.nrcc.cornell.edu